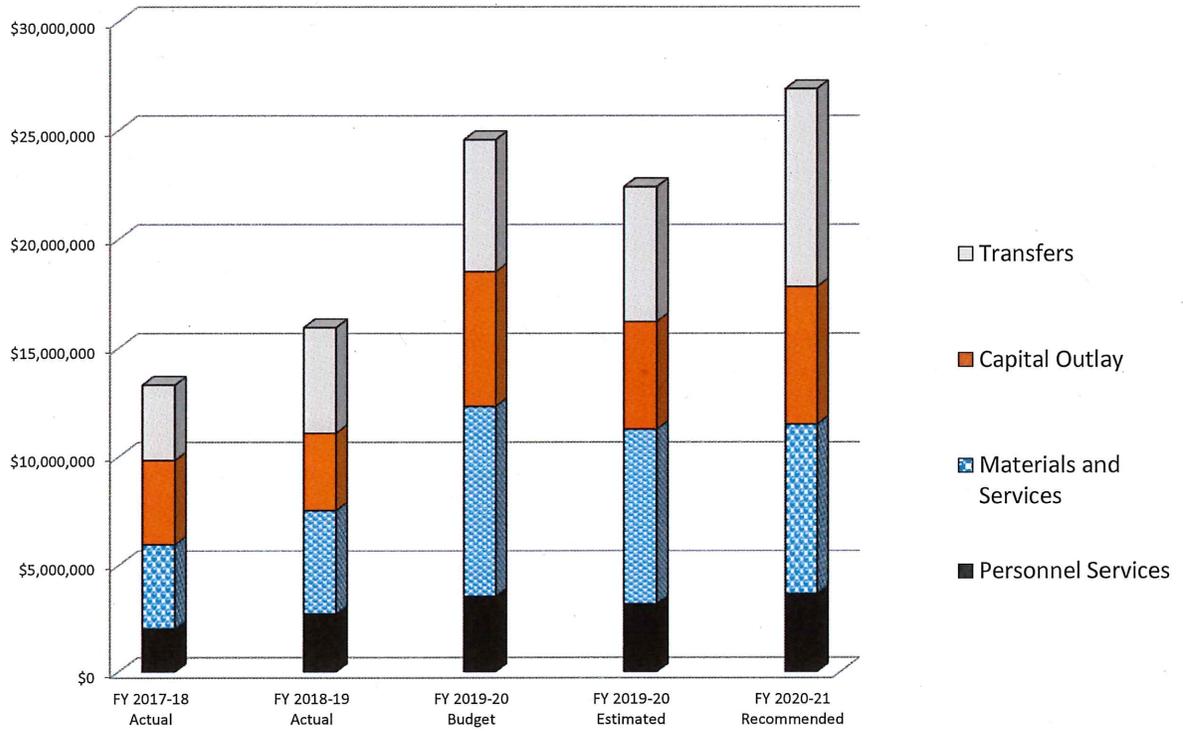


**WATER FUND
SUMMARY
RECOMMENDED FY 20-21**



CITY OF BEAVERTON

BUDGET TREND ANALYSIS - FY 2017-18 TO FY 2020-21

With Explanations on Significant Changes between Budgeted 2019-20 and Recommended 2020-21

Fund:	Water - Summary					% Change
CLASS	Actual FY 2017-18	Actual FY 2018-19	Budget FY 2019-20	Estimated FY 2019-20	Recommended FY 2020-21	Budgeted Vs. Recommended
Personnel Services	\$2,026,674	\$2,735,960	\$3,554,990	\$3,197,311	\$3,677,460	3.45%
Materials and Services	3,937,402	4,795,503	8,768,308	8,074,486	7,819,672	-10.82%
Capital Outlay	3,874,358	3,551,019	6,181,837	4,942,231	6,316,585	2.18%
Transfers	3,466,361	4,859,850	6,067,277	6,193,070	9,094,636	49.90%
SUB-TOTAL	\$13,304,795	\$15,942,332	\$24,572,412	\$22,407,098	\$26,908,353	
Contingency			8,571,610		4,716,400	
Reserve - JWC			500,000		500,000	
Reserve - Rate Stabilization			600,000		600,000	
Reserve - Ops Facility			121,939		243,734	
Contingency - Equip.			398,636		513,491	
TOTAL	\$13,304,795	\$15,942,332	\$34,764,597	\$22,407,098	\$33,481,978	
FTE's	21.69	26.88	27.63		28.63	

Explanation of item(s) that are significant (10% and greater than \$10,000):

Personnel services:

FY 2020-21 reflects an increase of 1.0 FTE for a Water Distribution Tech 2 position. Budget also reflects step increases, COLA increases for SEIU and management at 2.60%. Also reflects medical insurance cost increase of 10% for Kaiser, 5% increase in MODA plans and 0% increase for Dental.

Materials and services:

FY 2020-21 reflects a \$950,000 decrease from FY 2019-20 mainly due to lower costs for wheeling water through TVWD's system totaling \$300,000 and \$640,000 in professional services that are non-recurring in FY 2020-21 mainly due to ASR operations assistance and engineering services regarding withdrawal of accounts from TVWD.

Capital outlay:

No significant changes

Transfers:

FY 2020-21 reflects a \$3 million increase in transfers due to \$2.4 Million transferred to the Water Debt Service fund for the debt service on the new \$33.5 Million 2020 Water Revenue Bond Issue. and \$630,000 transfer to the new WIFIA Water Construction Fund for water capacity capital projects.

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET

FUND: 501 WATER	SUMMARY FOR WATER FUND: INCLUDING: CIP PROJECTS, FINANCE, AND PUBLIC WORKS
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MISSION STATEMENT:

To provide potable water to the City within the mandates of the State of Oregon Department of Human Services and Federal Environmental Protection Agency that is of sufficient quality, quantity and pressure to meet all of the applicable rules criteria.

REQUIREMENTS	FY 2017-18 ACTUAL	FY 2018-19 ACTUAL	FY 2019-20 BUDGETED	FY 2020-21 PROPOSED	FY 2020-21 ADOPTED
POSITION	21.69	26.88	27.63	28.63	0.00
PERSONNEL SERVICES	\$2,026,674	\$2,735,960	\$3,554,990	\$3,677,460	\$0
MATERIALS & SERVICES	3,937,402	4,795,503	8,768,308	7,819,672	0
CAPITAL OUTLAY	3,874,358	3,551,019	6,181,837	6,316,585	0
TRANSFERS	3,466,361	4,859,850	6,067,277	9,094,636	0
CONTINGENCY	0	0	10,192,185	6,573,625	0
TOTAL	\$13,304,795	\$15,942,332	\$34,764,597	\$33,481,978	\$0

Funding Sources:	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2020-21
Beginning Working Capital	\$12,236,827	\$13,147,277	\$13,462,753	\$11,264,478	\$0
Intergovernmental Revenue	101,872	88,526	80,000	80,000	0
Permits & Fees	51,989	33,835	20,000	20,000	0
Water Service Fees	13,693,039	15,416,694	20,638,244	21,684,000	0
Miscellaneous Revenues	368,348	718,751	563,600	433,500	0

Water Projects:	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2020-21
3611 Joint Water Commission Project	\$1,047,618	\$1,185,151	\$1,547,500	\$1,084,005	\$0
3700 Maint. & Replacement Program	30,300	11,456	0	0	0
3701 Water System Improvements	2,655,015	2,088,992	3,790,500	4,534,000	0

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET
CURRENT LEVEL OF SERVICES

FUND: 501 WATER	DEPARTMENT: PUBLIC WORKS
PROGRAM: 0740 ENTERPRISE MANAGEMENT & ADMIN.	PROGRAM MANAGER: DAVID WINSHIP

Program Goal:

To provide engineering and policy expertise for management of city enterprise funds and water resources. The program participates in development of intergovernmental agreements and conducts long-term planning to ensure the city can provide an adequate quantity and quality of supply of drinking water, water for firefighting, adequate funding, perpetual replacement of existing public infrastructure as needed and extra-capacity facilities necessary to serve existing consumers and for growth. The program also works to protect the safety and integrity of the public water system from cross connections and promote healthful drinking water by enforcement of the Beaverton Code and the Oregon Health Authority (OHA) Drinking Water Program Administrative Rules, which require the installation, inspection, operation, maintenance, and annual testing of backflow devices.

REQUIREMENTS	FY 2017-18 ACTUAL	FY 2018-19 ACTUAL	FY 2019-20 BUDGETED	FY 2020-21 PROPOSED	FY 2020-21 ADOPTED
POSITION	3.80	5.80	6.50	6.50	0.00
PERSONNEL SERVICES	\$415,603	\$685,311	\$1,002,782	\$1,012,264	\$0
MATERIALS & SERVICES	148,238	340,502	1,306,250	784,120	0
CAPITAL OUTLAY					
TRANSFERS	51,701	22,969	31,186	24,247	0
TOTAL	\$615,542	\$1,048,782	\$2,340,218	\$1,820,631	\$0

Program Objectives:

Overall responsibility for management and implementation of the multi-year Capital Improvements Plan (CIP), including administration of Water Fund (501) and Water Fund Construction (505) fund budgets and coordination and participation with regional water agencies, including emergency planning and management. Other key objectives include:

- Update and administer the current water master plan and; maintain and administer water infrastructure renewal and replacement plan.
- Ensure City compliance with OHA Drinking Water Program design standards and plan review exemption.
- For the South Cooper Mt. annexation area, Urban Reserve Area 6B, BURAs, Enterprise Zone, continue to plan, design, and build required potable and non-potable water infrastructure through the CIP and/or coordination with the Site Development Division.
- Participate in committees of the Joint Water Commission (JWC), Regional Water Providers Consortium (RWPC), Barney Reservoir Joint Ownership Commission (BRJOC), and other related programs. Participate in the Willamette Water Supply Program (WWSP) and the Willamette River "Water Intake Facility" Commission as a new participating financial partner in the project.
- Provide expertise on water resource, water quality, and water rights issues, design standards and cooperative agreements to the City's Public Works Department, and as needed for the JWC and Barney Reservoir Joint Ownership Commission.
- Provide oversight for the production and distribution of the annual US EPA-mandated Consumer Confidence Report (Water Quality) to all city water customers.
- Review and provide technical expertise to the cross connections program which administers the annual testing program for privately-owned backflow assemblies and devices as required by OHA.

Progress on FY 2019-20 Action Plan:

New Water Supply Source Update - WWSS

In 2013, the Beaverton City Council authorized participation in the in the Willamette Water Supply Program (WWSP) Preliminary Design in 2013, as joint project being undertaken by the City of Hillsboro and Tualatin Valley Water District (TVWD). The new water supply source is expected to be operational by about 2026 with an approximate total cost of \$1.21 billion to withdraw water from the Willamette River and treat up to 60 million gallons per day (mgd) for drinking water.

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET
CURRENT LEVEL OF SERVICES

FUND: 501 WATER	DEPARTMENT: PUBLIC WORKS
PROGRAM: 0740 ENTERPRISE MANAGEMENT & ADMIN.	PROGRAM MANAGER: DAVID WINSHIP

The City currently has one Commissioner serving on the Willamette River “Water Intake Facility” Commission. The City’s total financial commitment to the WWSS approximately \$65 million, for a total capacity of 5 mgd. Once the project is complete and operational in 2026, by IGA the project name will change to the Willamette Water Supply System (WWSS).

FY 2020-21 Action Plan:

Willamette Water Supply System (WWSS)

Negotiations on the IGA with TVWD and City of Hillsboro were completed and the City of Beaverton became a financial partner in the WWSS on July 1, 2019. The new permanent 5 mgd water supply purchased in the WWSS and available in 2026 is vital to the City’s future. The City intends to use its 2014 water right permit on the Willamette River as a new secondary source water supply to augment our JWC supply.

Aquifer Storage and Recovery (ASR)

The City will continue using ASR as an alternative means to increase water supply capacity by up to 5 mgd during the summer. ASR enables the city to meet short-term peak water demand during the summer, helping to delay the need to purchase water, and delay the need to build capital improvements for additional water treatment and storage. The following summarizes new activities:

ASR 3a

A new well, ASR 3A, near the existing ASR3 site, was drilled to provide 1 mgd of non-potable source water for the new purple pipe system (non-potable). A new pump station facility associated with ASR 3a is projected to be operational in 2022.

ASR 7

A 2012 JWC test well, (aka ASR 7), at the Cooper Mountain Reservoir site, was transferred by the JWC to City ownership. During 2020-21 the well will upsized to a larger diameter and a pumping station will be built to allow for up to 200 million gallons of aquifer (underground) storage of City drinking water and pumping capacity of 1.3 mgd water for the City’s upper elevations, with the ability to fill existing Cooper Reservoir #1, and future Cooper Reservoir #2 at the same site.

ASR 5

Final design for ASR Well No. 5 will be completed by summer 2020, and construction of a new pump station will begin in late summer 2020. The new ASR 5 facility and the City’s existing Sorrento Pump Station (originally built in 1966), will be combined into a new seismically resilient structure. ASR 5 is estimated be operational in 2021. When complete, ASR 5 will provide an additional 2 mgd which will increase the reliability and capacity of the City’s water supply. The project is financed by a \$5 million loan and loan-forgiveness funds from the State of Oregon Infrastructure Finance Agency (IFA) and the US EPA.

Performance Measures:	FY 2017-18 Actual	FY 2018-19 Actual	FY 2019-20 Budgeted/Actual	FY 2020-21 Proposed
Management and Administration				
Total water storage reservoir (non-groundwater storage) capacity within City limits (in million gallons - MGD) and excluding JWC ownership	28.5	28.5	28.5	32.75
Total ASR groundwater in MGD for summer peak use	5	5	5	8.3
Average daily water demand (City water customers - MGD)	7.15	8.23	9.7 / 8.98	9.0
Number of average demand days that can be supplied from in-City water storage reservoirs including ASR wells	12	11	10	12

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET
CURRENT LEVEL OF SERVICES

FUND: 501 WATER	DEPARTMENT: PUBLIC WORKS
PROGRAM: 0741 WATER SERVICES	DEPARTMENT HEAD: CHAD LYNN

Program Objectives:

This program accounts for payments to the Joint Water Commission (JWC) for water purchased for resale and to the Tualatin Valley Water District (TVWD) for contract water meter reading. This program supports the Beaverton Community Vision Plan in these elements:

- *Community Vision Target: Be a National Leader in Sustainable Practices and Programs*
- *Community Vision Goal: Provide High Quality Public Services*

The entire water system, like the city’s other utilities, is dependent on cooperation of other regional utilities which demonstrates the relevance of these City Council’s priority statement for 2020:

- Implement the Climate Action Plan, including the creation of a Climate Action Advisory Committee.
- Complete policy work on water resources for non-potable uses (purple pipe).
- Develop a policy for use and management of city-owned properties.
- Promote emergency preparedness at the neighborhood level.

There are several actions directed toward these priorities:

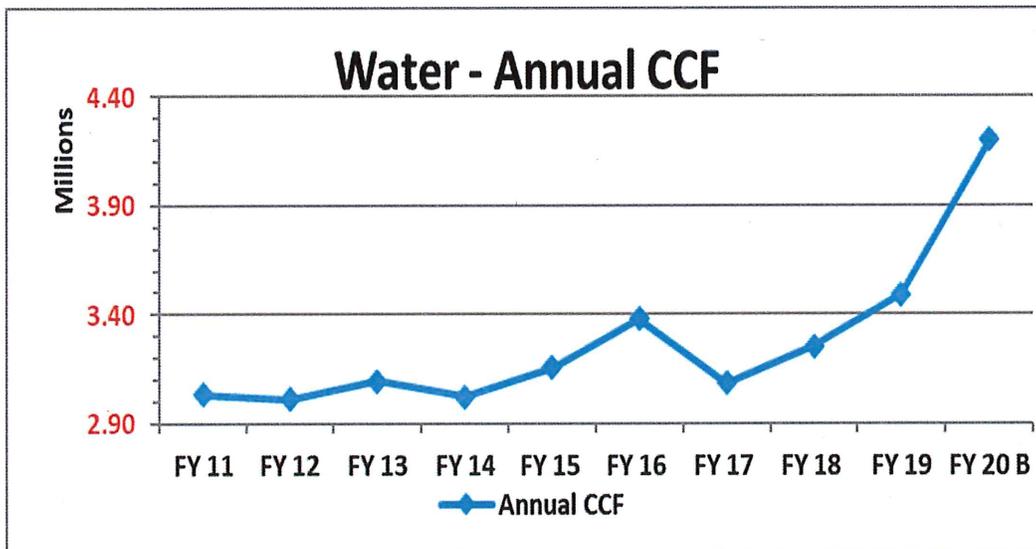
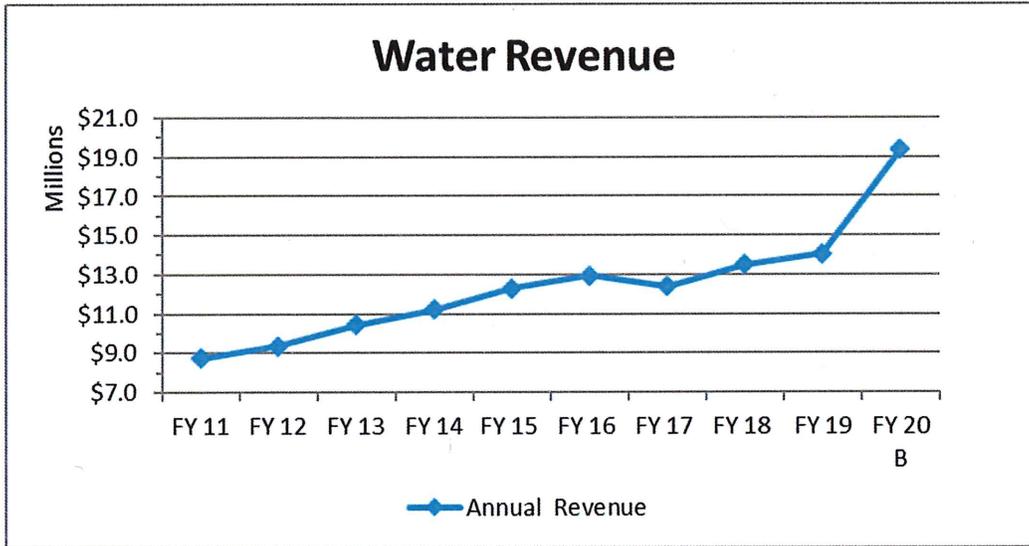
- Continue the withdrawal of service territory from TVWD
- Design series of improvements to connect to the JWC North Transmission Line to improve system resiliency, as approved by the City Council
- Participation in the Willamette Water Supply Project
- Continue work on the non-potable water irrigation project using a purple pipe system

REQUIREMENTS	FY 2017-18 ACTUAL	FY 2018-19 ACTUAL	FY 2019-20 BUDGETED	FY 2020-21 PROPOSED	FY 2020-21 ADOPTED
MATERIALS & SERVICES	\$2,650,692	\$3,023,011	\$5,534,451	\$4,979,977	\$0
CAPITAL OUTLAY					
TRANSFERS	2,786,239	4,112,705	5,350,787	8,325,930	0
CONTINGENCY	0	0	10,192,185	6,573,625	0
TOTAL	\$5,436,931	\$7,135,716	\$21,077,423	\$19,879,532	\$0

Water sale trends show an increasing trend of consumption and sales since the Great Recession. Residential and commercial vacancies have declined. The values for FY 19-20 and FY 20-21 reflect budgeted values for the year. The increase in FY 19-20 reflects additional consumption by more than 4300 customers formerly served by TVWD. During FY 19-20, these new Beaverton customers are served water through the former TVWD system in an arrangement called “wheeling”.

CITY OF BEAVERTON, OREGON
 FISCAL YEAR 2020-21 BUDGET
 CURRENT LEVEL OF SERVICES

FUND: 501 WATER	DEPARTMENT: PUBLIC WORKS
PROGRAM: 0741 WATER SERVICES	DEPARTMENT HEAD: CHAD LYNN



Water rates may be adjusted in base charges as well as the rate per 100 cubic feet (CCF). In recent years, the practice has been to adjust both by \$1 in the base and 10 cents in the consumption rate. The budget for FY 2020-21 increases the base rate to \$17/month for a standard residential meter and changed the consumption rate to \$3.97 per CCF. The rate increases are necessary to maintain the required amount of debt service coverage reserve as well as build reserve funds for critical additions to the storage, transmission and distribution system in the coming five years.

**CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET
CURRENT LEVEL OF SERVICES**

FUND: 501 WATER	DEPARTMENT: PUBLIC WORKS
PROGRAM: 0741 WATER SERVICES	DEPARTMENT HEAD: CHAD LYNN

The program includes payments to the West Slope Water District for a previous transfer of 66 accounts to the City of Beaverton. This represents 4.36% of annual debt service on water reservoir bond issue and reimbursement for under consumption on the Portland water contract.

The specific financial impact of the withdrawal of more than 4100 customer accounts from TVWD can now be estimated. Wheeling water allows new city customers to be serviced by TVWD, billed by Beaverton and enjoy lower water rates. The estimates include both revenues and expenditures and account for:

- TVWD's \$1.22 average cost per meter read to read the 4,300 meters in the withdrawal areas 12 times (monthly) per year.
- TVWD's \$1.682 Wheeling Rate to wheel water through their system.
- JWC's \$0.42 cost of water production for the water provided to the withdrawal areas.
- Increase in Water Demand (Meter) Revenue – approximately \$1,100,000
- Increase in Water Sales (Consumption) Revenue – approximately \$3,500,000
- Any potential increase in Water Operations costs have been nominal as the “wheeling” charges paid to TVWD require many expenses to be borne by TVWD. The City will begin to incur additional meter and system expenses in the coming years.

Cost/benefit analysis is now underway regarding the construction of various water mains and master meters to serve the withdrawal areas. Direct service by city crews also implies higher operational costs in labor and equipment. The city is not obligated to move to the direct service option, as wheeling may occur on a long-term basis in some areas.

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET
CURRENT LEVEL OF SERVICES

FUND: 501 WATER	DEPARTMENT: PUBLIC WORKS
PROGRAM: 0742 WATER SYSTEM DISTRIBUTION	PROGRAM MANAGER: BRIAN RIGWOOD

Program Goal:

Provide high quality potable water in sufficient quantities and at adequate pressures for residential and commercial consumption and fire protection. Perform routine maintenance of our water infrastructure to protect and preserve the public investment. Promote cooperative relationships and agreements with other public agencies which results in increased efficiency by utilizing a larger pool of industry knowledge.

REQUIREMENTS	FY 2017-18 ACTUAL	FY 2018-19 ACTUAL	FY 2019-20 BUDGETED	FY 2020-21 PROPOSED	FY 2020-21 ADOPTED
POSITION	12.75	13.50	13.50	13.50	0.00
PERSONNEL SERVICES	\$996,955	\$1,218,882	\$1,591,302	\$1,565,943	\$0
MATERIALS & SERVICES	495,732	625,501	924,210	950,691	0
CAPITAL OUTLAY	77,649	81,258	702,587	555,080	0
TRANSFERS	96,059	83,861	114,284	109,857	0
TOTAL	\$1,666,395	\$2,009,502	\$3,332,383	\$3,181,571	\$0

Program Objectives:

The water distribution system program will continue to maintain the potable water system for the City of Beaverton by performing maintenance of the distribution system. This includes replacing some of the aging components of the older fire hydrants, water meters, and water services. Flushing water mains is part of the maintenance program to ensure quality water is delivered to the consumer. Repairing leaks in the distribution system will continue to be a high priority so that drinking water is conserved and will not cause property damage.

Customer service will continue to be a major focus in addressing customer's concerns and needs. This will include turning water off/on, checking for leaks, checking pressure related issues, and addressing other concerns.

Progress on FY 2019-20 Action Plan:

The water distribution division accomplished the following in FY 19-20:

- The water crew is using the cityworks mobile application for work orders and maintenance/repairs. This year was also included the launch of storeroom. This feature creates accurate cost tracking of a dynamic inventory.
- Replacement of failing commercial water meters continued. Radio deployment is keeping pace with new development and is ready for route integration with utility billing.
- The water crew continues to replace hydrants, repair or replace broken water mains along with other components that make up the water system. Customer response to water service requests and timely resolutions are highly successful.
- Water Distribution participated in the completion of the new engineering design manual and implemented the new standards.

FY 2020-21 Action Plan:

The water distribution division will continue to maintain the water system by:

- Evaluating the asset inventory to prioritize replacement of critical water infrastructure. FRACTA software is being used to compare against the Cityworks data to determine if there is additional forecasting information available. It is likely that the useful features FRACTA provides can be incorporated into the Cityworks platform to improve it as a single product platform.
- Continue to replace aging infrastructure such as water mains, services, hydrants, valves and meters to maintain a robust and reliable water system that provides uninterrupted service to the customer.
- Perform valve exercising, main flushing and maintenance on components of the water system such as fire hydrants, valves and water mains.

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET
CURRENT LEVEL OF SERVICES

FUND: 501 WATER	DEPARTMENT: PUBLIC WORKS
PROGRAM: 0742 WATER SYSTEM DISTRIBUTION	PROGRAM MANAGER: BRIAN RIGWOOD

- Implementation of the new seismic resiliency requirements into the Water Master Plan. Staff emergency response training and strategies are a priority.
- Continue to add and develop operational staff that are capable of handling the operational complexities that are typical in a water system that is experiencing rapid growth.

Performance Measures:	FY 2017-18 Actual	FY 2018-19 Actual	FY 2019-20 Budgeted/Revised	FY 2020-21 Proposed
Water Hydrant Replacement Program	20	7	25 / 25	25
Installing Dead End Blow Offs	0	0	0	0
Customer/Water Service Requests	6,500	6,700	8,000 / 7,600	7,700
Water Leak Repairs	45	54	60 / 18	40
Fire Hydrant Maintenance	2,490	2,550	2,575 / 2520	2,520
Total Water Meters in Distribution System	18,300	22,456	22,756 / 22,714	22,845
Water Meter Replacement Program	680	600	900 / 650	700

Performance Outcomes and Program Trends:

Overall, the installation of blow offs has reached a point where most of the system's dead end lines can be flushed. Flushing the system helps to maintain adequate chlorine levels and disinfection while reducing the possible formation of harmful disinfection byproducts. Attention to flushing programs has increased in addition to the collection of water quality parameters to control water age.

Leak detection in the water distribution system is an important measure of the system's integrity and reliability. Consequently, leak identification and repair is a priority activity. The leak detection program identifies water leakages for repair and reduces unaccounted water loss. Our major leak detection equipment has recently been updated and we are researching some advanced techniques that may be deployed if the technology proves to be reliable.

Fire hydrant replacement, operation and maintenance are critical to ensure that the hydrants in the system are in good operable condition and are available for fire suppression. Hydrants in the system are also valuable and necessary points for flushing waterlines after main repair. Standardization of hydrant type has helped improve maintenance procedures and reduce required parts inventory.

Replacement of old malfunctioning water meters is important to accurately measure water consumption and reduce unaccounted water loss. When feasible staff utilizes technology to help with efficiency and transparency for improved customer service/satisfaction. Additionally, staff is replacing the old untestable meters that cannot be calibrated along with any meter that is not capable of data sharing. Nine large meters were replaced with remote radio functionality.

The city continues to take over service responsibilities from selected areas within the city limits previously served by TVWD. Responsibilities include meters, customer service calls and residential notice for any change in service issues. City staff offered efficiency solutions to the TVWD meter reading staff and awaits their response.

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET
CURRENT LEVEL OF SERVICES

FUND: 501 WATER	DEPARTMENT: PUBLIC WORKS
PROGRAM: 0743 WATER SYSTEM QUALITY	PROGRAM MANAGER: BRIAN RIGWOOD

Program Goal:

To provide a reliable supply of safe drinking water that exceeds all standards at a reasonable cost. To operate, monitor and maintain the city's water supply using efficient, environmentally sound solutions that benefit present and future residents of the City of Beaverton.

REQUIREMENTS	FY 2017-18 ACTUAL	FY 2018-19 ACTUAL	FY 2019-20 BUDGETED	FY 2020-21 PROPOSED	FY 2020-21 ADOPTED
POSITION	3.50	5.50	5.50	6.50	0.00
PERSONNEL SERVICES	\$475,256	\$643,288	\$752,429	\$873,930	\$0
MATERIALS & SERVICES	489,912	636,698	812,182	865,967	0
CAPITAL OUTLAY	63,776	184,162	141,250	143,500	0
TRANSFERS	530,281	637,339	568,268	631,118	0
TOTAL	\$1,559,225	\$2,101,487	\$2,274,129	\$2,514,515	\$0

Program Objectives:

This program is responsible for ensuring public health protection by providing a safe uninterrupted supply of drinking water to the residents of the City of Beaverton. This program performs all required water quality testing and monitoring for reporting to EPA and/or its primacy agency. Additionally, this program is responsible for the operation and maintenance of water supply infrastructure, such as storage reservoirs, groundwater wells, pumping stations, fluoridation facilities, control valves, pressure reducing stations, large transmission lines and water system telemetry control.

Water quality testing remains one of the highest priorities of the city's Water Division to provide outstanding potable drinking water. Adequate quantity provides operating pressure, fire flow and emergency storage to maintain compliance with the standards of the Oregon Health Authority (OHA) and the Federal Environmental Protection Agency (EPA).

Progress on FY 2019-20 Action Plan:

The Water Quality division accomplished all of the following during FY 19-20:

- The city met or exceeded all federal and state mandated drinking water standards.
- Inspected all pressure reducing valves (PRVs) and rebuilt 7 PRVs this year.
- Maintained the ASR wells, pump stations, reservoirs and fluoride stations.
- Migration to cellular Supervisory Control and Data Acquisition (SCADA) control continued.
- The water quality team continues to monitor iron and manganese levels in the source with on-line surrogate monitoring.

FY 2020-21 Action Plan:

The Water Quality division will accomplish all of the following during FY 20-21:

- Meet the Federal and State mandated water quality monitoring and sampling.
- Propose corrosion control treatment to OHA for ASR entry points.
- Inspect all pressure relief valves (PRVs) and rebuild approximately 10 PRVs.
- Maintain the ASR wells, pump stations, reservoirs and surface system entry point from JWC. Update aging infrastructure as needed to operate a reliable system.
- Continue cellular SCADA migration to replace unsupported system hardware in line with recommendations from the SCADA master plan.

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET
CURRENT LEVEL OF SERVICES

FUND: 501 WATER	DEPARTMENT: PUBLIC WORKS
PROGRAM: 0743 WATER SYSTEM QUALITY	PROGRAM MANAGER: BRIAN RIGWOOD

Performance Measures:

	FY 2017-18 Actual	FY 2018-19 Actual	FY 2019-20 Budgeted/Actual	FY 2020-21 Proposed
Water Quality Testing	1,960	2,082	2,150 / 2,200	2,400
Average # of water samples tested per month	164	174	179 / 180	200
Pump Operation & Maintenance. Operate, inspect, and maintain pumps in four water pumping stations and three Aquifer Storage Recovery (ASR) groundwater wells in various locations throughout the City. Figure shown is for total number of pumps in these facilities.	28	28	28 / 28	29
PRV Maintenance. Inspect each of 161 mainline pressure-reducing valves (PRVs) every 2 months, and rebuild 10-percent per year.	151	157	161 / 178	184
Solar energy production (reservoir site) kWh	550,000	550,000	550,000 / 550,000	550,000

Performance Outcomes and Program Trends:

Federal and State mandated drinking water quality regulations will be more stringent over the coming years. New rule implementation will require additional staff analysis to determine how we will meet the compliance standards. It is expected that overall costs for water quality monitoring will continue to grow due to the increased number of drinking water contaminants regulated by the US EPA. Sampling and testing required for the Stage 2 Disinfection Byproduct Rule and the Ground water rule continues for 2020/2021. The corrosion study to determine optimum alkalinity and pH levels at the ASR wells was completed and design is underway.

Continued inspection, maintenance, and replacement of city-owned PRVs are important tasks performed by this program. PRVs separate and control Beaverton's 13 different water pressure zones that result from the topographical differences in the city's water service area. 178 larger mainline PRVs will be inspected and repaired as necessary in FY 20/21.

The 98 city-owned backflow assemblies for municipal buildings and city landscape irrigation systems must be tested annually according to the administrative rules of the Oregon Health Authority. Water quality staff ensure that our certified backflow testers perform and report these tests in addition to monitoring and reporting the required annual testing of all devices in the city that are privately owned.

Construction inspection continues to occupy approximately 1.75 FTE of the water quality staff time. There are multiple major projects either under way or coming in the FY 20/21 that staff will be heavily participating in. Processes and practices to ensure the safety of the live potable water system as these projects are constructed are in place and documented. Staff has started using outside contractors for overflow inspection needs.

Water Quality Staff is performing any additional water quality sampling and information requests as a result of the new withdrawn TVWD service areas. Staff has been working on a streamlined work request process to respond to water inquiries.

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 501 WATER FUND

DEPT: 03 REVENUE

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 BEGINNING WORKING CAPITAL

301 BEGINNING WORKING CAPITAL

	-12,236,827		-13,147,277		-13,462,753		-13,462,753	-13,462,753	-10,638,746		-11,264,478			
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TOTAL CLASS: 05 BEGINNING WORKING CAPITAL

	-12,236,827		-13,147,277		-13,462,753		-13,462,753	-13,462,753	-10,638,746		-11,264,478			
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CLASS: 15 INTERGOVERNMENTAL REVENUE

329 OTHER INTERGOVERNMENTAL REV

	-101,872		-88,526		-80,000			-80,000	-80,000		-80,000			
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TOTAL CLASS: 15 INTERGOVERNMENTAL REVENUE

	-101,872		-88,526		-80,000			-80,000	-80,000		-80,000			
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CLASS: 20 PERMITS & FEES

355 WATER METER INSTALLATION FEES

	-51,989		-33,835		-20,000		-16,945	-20,000	-20,000		-20,000			
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TOTAL CLASS: 20 PERMITS & FEES

	-51,989		-33,835		-20,000		-16,945	-20,000	-20,000		-20,000			
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CLASS: 25 SERVICE FEES

361 WATER SALES

	-10,127,493		-11,323,060		-15,316,462		-11,241,745	-14,500,000	-16,500,000		-16,150,000			
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362 UNMETERED WATER SALES

	-29,914		-23,447		-15,000		-5,955	-10,000	-15,000		-15,000			
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364 CUSTOMER SERV CHARGES

	-27,385		-27,845		-25,000		-24,635	-30,000	-30,000		-30,000			
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366 DEMAND CHARGE

	-3,579,324		-4,150,245		-5,366,782		-4,039,487	-5,100,000	-5,700,000		-5,600,000			
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369 UTILITY SALES ALLOWANCES

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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 501 WATER FUND

DEPT: 03 REVENUE

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
	71,077		107,903		85,000		82,093	100,000	95,000		111,000			
TOTAL CLASS: 25 SERVICE FEES														
	-13,693,039		-15,416,694		-20,638,244		-15,229,729	-19,540,000	-22,150,000		-21,684,000			
CLASS: 35 MISCELLANEOUS REVENUES														
382 SALE OF CITY OR BURA PROPERTY														
	-12,825		-11,443				-27	-27						
384 INVESTMENT INTEREST EARNINGS														
	-206,543		-295,435		-313,600		-230,707	-313,600	-262,100		-183,500			
389 MISCELLANEOUS REVENUES														
	-34,547		-34,002		-30,000		-33,052	-30,000	-30,000		-30,000			
394 MISC INTEREST EARNINGS														
	-19,318		-21,902		-20,000		-51,134	-20,000	-20,000		-20,000			
398 SRVS PROVIDED TO OTHER FUNDS														
	-91,179		-347,548		-200,000		-226,865	-200,000	-200,000		-200,000			
399 REIMBURSEMENTS - OTHER														
	-280													
753 ENERGY EFFICIENCY REBATES														
			-6,160				-14,080	-5,196						
757 MED/LIFE INS PREM REFUND DISTRIBUTION														
	-3,656		-2,261											
TOTAL CLASS: 35 MISCELLANEOUS REVENUES														
	-368,348		-718,751		-563,600		-555,865	-568,823	-512,100		-433,500			
TOTAL DEPARTMENT: 03 REVENUE														
	-26,452,075		-29,405,083		-34,764,597		-29,265,292	-33,671,576	-33,400,846		-33,481,978			

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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 501 WATER FUND

DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 PERSONNEL SERVICES

046	PRINCIPAL ENGINEER													
	53,062	.40	56,097	.40	57,940	.40	58,300	64,737	56,019	.40	56,019	.40		
068	ENGINEERING ASSOCIATE													
			11,153	1.00	83,970	1.00	53,474	70,043	75,324	1.00	75,324	1.00		
084	PROJECT ENGINEER 1													
	141,555	1.50	231,929	2.50	214,071	2.10	163,172	207,486	217,564	2.10	215,894	2.10		
123	ENGINEERING TECH 2													
					7,702		8,657	8,654						
124	ENGINEERING CONST INSPECTOR													
	24,829	.40	26,638	.40										
175	PROJECT ENGINEER 2													
	30,591	1.00	111,981	1.00	214,973	2.00	96,548	147,272	230,031	2.00	230,031	2.00		
221	SUPPORT SPECIALIST 2													
	23,721	.50	25,371	.50	28,021	.50	16,382	22,056	27,870	.50	27,870	.50		
294	PROJECT SPECIALIST													
					28,444	.50	20,725	28,668	36,998	.50	36,998	.50		
299	PAYROLL TAXES AND FRINGES													
	141,845		222,142		367,661		220,300	296,834	371,140		370,128			
TOTAL CLASS: 05 PERSONNEL SERVICES														
	415,603	3.80	685,311	5.80	1,002,782	6.50	637,558	845,750	1,014,946	6.50	1,012,264	6.50		

CLASS: 10 MATERIALS & SERVICES

303	OFFICE FURNITURE & EQUIPMENT													
	1,616		2,096		3,100				2,500		2,500			
305	SPECIAL DEPARTMENT SUPPLIES													
	70		4		400			400	400		400			
307	MEMBERSHIP FEES													
	48,390		54,395		60,925		51,068	61,250	61,370		61,370			
314	OUTSIDE REPRODUCTION EXPENSES													

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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 501 WATER FUND

DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
					1,000			500	1,700		1,700			
317	COMPUTER EQUIPMENT													
	5,294		7,517		1,500		2,259	1,500						
318	COMPUTER SOFTWARE													
	4,000				30,000									
321	TRAVEL, TRAINING & SUBSISTENCE													
	10,785		5,996		25,825		5,205	7,348	19,700		19,700			
328	MEALS & RELATED EXPENSE													
	608		1,342		1,500		733	1,500	1,500		1,500			
361	UNIFORMS & SPECIAL CLOTHING													
	597		596		750		430	750	1,050		1,050			
444	ASR OPERATING & MONITORING EXP													
			186,643		306,550		135,745	290,000	198,000		198,000			
445	NON-CIP ENGINEERING EXPENSE													
					50,000		20,000	20,000	50,000					
461	SPECIAL EXPENSE													
	13,341		21,066		30,900		608	23,700	40,900		40,900			
511	PROFESSIONAL SERVICES													
	63,537		60,847		793,800		288,959	215,000	431,800		457,000			
TOTAL CLASS: 10 MATERIALS & SERVICES														
	148,238		340,502		1,306,250		505,007	621,948	808,920		784,120			
CLASS: 25 TRANSFERS														
816	TRSFERS TO REPROGRAPHICS FUND													
	3,709		2,278		1,651		1,953	1,651	2,322		2,322			
817	TRSFERS TO GARAGE FUND													
			39						33		33			
835	TRSFER TO GF, BVTN BLDG OPERATIONS													
	20,592		10,296		16,701		13,918	16,701	21,892		21,892			
836	TRSFER TO GF, BVTN BLDG DEBT SVC													

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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 501 WATER FUND

DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
	27,400		10,356		12,834		10,695	18,627	5,793					

TOTAL CLASS: 25 TRANSFERS

	51,701		22,969		31,186		26,566	36,979	30,040		24,247			
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TOTAL DEPARTMENT: 72 CAPITAL DEVELOPMNT-ENGINEERING

	615,542	3.80	1,048,782	5.80	2,340,218	6.50	1,169,131	1,504,677	1,853,906	6.50	1,820,631	6.50		
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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 501 WATER FUND DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 PERSONNEL SERVICES

049 PROG COORDINATOR -PUBLIC WORKS

	17,568	1.00	74,940	1.00	134,187	2.00	106,073	131,445	168,612	2.00	154,146	2.00		
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057 PUBLIC WORKS SUPERVISOR

	108,281	2.00	188,439	2.00	192,562	2.00	158,655	190,702	199,253	2.00	188,921	2.00		
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112 PUBLIC WORKS MANAGER 3

	111,346	1.00	118,242	1.00	122,139	1.00	96,547	122,366	124,856	1.00	124,856	1.00		
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133 WATER CUSTOMER SERVICE TECH

	62,949	1.00	76,997	1.00	23,821		22,157	22,156						
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162 WATER DISTRIBUTION LEAD

	154,431	2.00	172,390	2.00	311,448	5.00	265,035	325,745	426,371	5.00	394,149	5.00		
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173 WATER DISTRIBUTION TECHNICIAN 1

	194,214	6.00	193,518	6.00	338,999	6.00	247,159	310,894	377,427	6.00	366,002	6.00		
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178 WATER QUALITY TECHNICIAN 2

	120,613			1.00	54,502	1.00		14,014	58,721	1.00	58,721	1.00		
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188 INVENTORY CONTROL TECHNICIAN

	15,822	.25												
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209 WATER DISTRIBUTION TECHNICIAN 2

	166,563	3.00	349,031	5.00	206,346	2.00	177,224	203,317	140,876	2.00	187,423	3.00		
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299 PAYROLL TAXES AND FRINGES

	520,424		688,613		959,727		662,574	820,230	925,816		965,655			
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TOTAL CLASS: 05 PERSONNEL SERVICES

	1,472,211	16.25	1,862,170	19.00	2,343,731	19.00	1,735,424	2,140,869	2,421,932	19.00	2,439,873	20.00		
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CLASS: 10 MATERIALS & SERVICES

301 OFFICE EXPENSE

	304		670		1,300		779	1,300	1,300		1,300			
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303 OFFICE FURNITURE & EQUIPMENT

	1,488		801		2,050		820	2,000	2,150		2,150			
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304 DEPARTMENT EQUIPMENT EXPENSE

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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 501 WATER FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
	24,243		52,481		72,000		40,262	61,000	81,975		81,975			
305	SPECIAL DEPARTMENT SUPPLIES													
	5,983		10,787		11,800		7,023	11,300	31,800		26,800			
307	MEMBERSHIP FEES													
	11,949		14,331		16,981		11,597	16,941	33,950		33,950			
308	PERIODICALS & SUBSCRIPTIONS													
	200		532		870		759	800	800		800			
316	ADVERTISING, RECORDING & FILING													
	2,118						65	100						
317	COMPUTER EQUIPMENT													
			1,895		1,131		995	995	1,646		1,646			
318	COMPUTER SOFTWARE													
			8,000				298							
321	TRAVEL, TRAINING & SUBSISTENCE													
	10,021		13,168		31,325		15,140	17,180	30,660		30,660			
341	COMMUNICATIONS EXPENSE													
	33,902		31,536		46,000		30,254	46,000	48,000		48,000			
351	UTILITIES EXPENSE													
	261,611		280,074		290,000		198,335	290,000	292,000		292,000			
361	UNIFORMS & SPECIAL CLOTHING													
	10,402		9,483		21,200		14,753	21,000	22,400		22,400			
371	EQUIPMENT OPER & MAINT EXPENSE													
					6,650		3,450	3,450						
372	ROLLING STOCK & EQUIPMENT UNDER \$10K													
					5,500		5,500	5,500	9,500		9,500			
381	BUILDING EXPENSE													
	6,429		4,746		20,000		3,031	17,500	20,000		20,000			
409	WATER PURCHASES FOR RESALE													
	1,383,335		1,482,560		1,684,550		826,840	1,684,550	1,700,000		1,700,000			
410	BARNEY RESERVOIR OPERATIONS													
	95,900		104,864		150,051		66,757	150,051	150,000		150,000			

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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 501 WATER FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
413	SERVICE INSTALLATIONS													
	2,341		3,276		10,500		8,138	10,500	32,500		7,500			
417	WIF ADMIN OPERATING EXPENSE													
			29,588		13,000			13,000	22,477		22,477			
418	JWC OPERATING EXP - OTHER													
	79,811		59,131		45,000		107,338	80,000	70,000		70,000			
419	CHEMICAL & LABORATORY SUPPLIES													
	33,025		59,928		78,100		61,249	76,000	76,200		76,200			
425	DUMPING EXPENSES													
	1,729		2,995		5,000		4,349	5,000	6,500		6,500			
439	WATER WHEELING SERVICES - TVWD													
			312,589		1,671,621		1,101,933	1,453,450	1,700,000		1,500,000			
441	LINE MAINTENANCE													
	185,760		238,141		228,700		204,982	227,200	248,000		248,000			
446	METER MAINTENANCE													
	225,024		248,329		363,062		334,672	274,000	277,964		277,964			
447	WATER PURCHASES - WHEELING													
			303		510,000		223,348	375,000	520,000		390,000			
448	MANHOLE / PRV VALVE ADJUSTMENTS													
	49,000		116,452		150,000		94,356	115,000	60,000		60,000			
461	SPECIAL EXPENSE													
	349		351		2,523		1,745	2,500	2,113		2,113			
486	WWSP NON-CAPITAL EXPENSE													
								393,024						
487	WATER METERS FOR NEW DEVELOPMENTS													
											218,000			
497	DEBT ISSUANCE COST													
	135,399		1,600		150,850			136,199						
498	UNDERWRITERS DISCOUNT, BOND													
	9,816				20,000			168,501						
511	PROFESSIONAL SERVICES													

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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 501 WATER FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
	344,899		397,736		629,500		514,994	559,500	293,000		293,000			
512	CITY RIGHT OF WAY FEES													
	641,861		715,778		919,379		766,149	919,379	1,110,000		1,087,500			
525	PMTS TO OTHER GOVERNMENT AGENCIES													
	53,778		55,891		60,000		59,178	59,178	60,000		60,000			
536	MAINTENANCE CONTRACTS													
	23,742		26,974		49,500		31,870	49,500	53,500		53,500			
551	RENTS AND LEASES													
	1,917		220		2,700			1,000	2,700		2,700			

TOTAL CLASS: 10 MATERIALS & SERVICES

	3,636,336		4,285,210		7,270,843		4,740,959	7,247,598	6,961,135		6,796,635			
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CLASS: 15 CAPITAL OUTLAY

641	VEHICLES													
	747		167,420		473,873		233,068	238,873	157,410		352,080			
670	ROLLING STOCK													
					273,364		266,258	266,258	436,100		238,500			
671	EQUIPMENT													
	140,678		98,000		96,600		90,175	96,600	108,000		108,000			

TOTAL CLASS: 15 CAPITAL OUTLAY

	141,425		265,420		843,837		589,501	601,731	701,510		698,580			
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CLASS: 25 TRANSFERS

801	TRSFR TO GENERAL FD - OVERHEAD													
	318,316		360,830		448,971		374,143	448,971	518,656		518,656			
802	TRSFR TO GENERAL FD-ACCOUNTING													
	28,616		62,355		100,875		84,063	100,875	135,149		135,149			
803	TRSFR TO GENERAL FD-LANDSCAPE													
	80,215		83,669		88,269		73,558	88,269	89,196		87,150			
804	TRSFR - OPERATIONS ADMIN													

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 501 WATER FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
	249,697		314,361		261,881		218,234	261,881	320,543		295,393			
805	TRSFER TO G/F BLDG MAINT													
	18,448		20,886		20,972		17,477	20,972	21,522		21,522			
808	TRSFERS TO GIS PGRM (TO ISD FUND 2018-19)													
	165,166		179,079		177,216		147,680	177,216	186,238		187,127			
817	TRSFERS TO GARAGE FUND													
	112,814		123,205		134,214		96,572	134,214	149,783		149,783			
818	TRSFERS TO ISD-ALLOCATED													
	232,089		275,734		329,957		274,964	329,957	316,718		324,000			
819	TRSFERS TO INSURANCE FUND													
	228,792		228,792		285,990		238,325	285,990	285,990		285,990			
832	TRSFERS TO WATER DEBT SVC FUND													
	748,426		2,184,994		2,184,994		1,544,754	2,184,994	4,536,568		4,432,135			
833	TRSFERS TO WATER CONSTRUCT FUND													
	1,230,000		1,000,000		2,000,000			2,000,000	2,000,000		2,000,000			
844	TRSFERS TO WATER WIFIA FUND													
								120,000	630,000		630,000			
TOTAL CLASS: 25 TRANSFERS														
	3,412,579		4,833,905		6,033,339		3,069,770	6,153,339	9,190,363		9,066,905			
CLASS: 30 FUND BAL/CONTINGENCY/RESERVES														
972	RESERVE - OPERATIONS FACILITY REPLACMT													
					121,939				243,734		243,734			
987	RESERVE - JWC EMERGENCY EQUIPMT													
					500,000				500,000		500,000			
991	CONTINGENCY - UNRESERVED													
					8,571,610				4,392,551		4,716,400			
995	RESERVE - RATE STABILIZATION													
					600,000				600,000		600,000			
996	RESERVE - EQUIPMENT REPLACEMT													

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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 501 WATER FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
					398,636				513,491		513,491			
TOTAL CLASS: 30 FUND BAL/CONTINGENCY/RESERVES														
					10,192,185				6,249,776		6,573,625			
TOTAL DEPARTMENT: 85 PUBLIC WORKS - OPERATIONS														
	8,662,551	16.25	11,246,705	19.00	26,683,935	19.00	10,135,654	16,143,537	25,524,716	19.00	25,575,618	20.00		

**WATER FUND - PUBLIC WORKS
FY 2019-20 ADOPTED**

Code	Position Title	Actual FY 18-19	Adopted FY 19-20	New	Transfer	Reclass	Deleted	Ending FY 19-20
46	PRINCIPAL ENGINEER	0.40	0.40					0.40
49	PROG COORDINATOR -PUBLIC WORKS	1.00	2.00					2.00
57	PUBLIC WORKS SUPERVISOR	2.00	2.00					2.00
68	ENGINEERING ASSOCIATE	1.00	1.00					1.00
84	PROJECT ENGINEER 1	2.50	2.10					2.10
112	PUBLIC WORKS MANAGER 3	1.00	1.00					1.00
124	ENGINEERING CONST INSPECTOR	0.40	0.00					0.00
133	WATER CUSTOMER SERVICE TECH	1.00	0.00					0.00
162	WATER DISTRIBUTION LEAD	2.00	5.00					5.00
173	WATER DISTRIBUTION TECHNICIAN 1	6.00	6.00					6.00
175	PROJECT ENGINEER 2	1.00	2.00					2.00
178	WATER QUALITY TECHNICIAN 2	1.00	1.00					1.00
209	WATER DISTRIBUTION TECHNICIAN 2	5.00	2.00					2.00
221	SUPPORT SPECIALIST 2	0.50	0.50					0.50
294	PROJECT SPECIALIST	0.00	0.50					0.50
	Total	24.80	25.50	0.00	0.00	0.00	0.00	25.50

FY 2020-21 PROPOSED

Code	Position Title	Ending FY 19-20	New	Transfer	Reclass	Deleted	Proposed FY 20-21
46	PRINCIPAL ENGINEER	0.40					0.40
49	PROG COORDINATOR -PUBLIC WORKS	2.00					2.00
57	PUBLIC WORKS SUPERVISOR	2.00					2.00
68	ENGINEERING ASSOCIATE	1.00					1.00
84	PROJECT ENGINEER 1	2.10					2.10
112	PUBLIC WORKS MANAGER 3	1.00					1.00
124	ENGINEERING CONST INSPECTOR	0.00					0.00
133	WATER CUSTOMER SERVICE TECH	0.00					0.00
162	WATER DISTRIBUTION LEAD	5.00					5.00
173	WATER DISTRIBUTION TECHNICIAN 1	6.00					6.00
175	PROJECT ENGINEER 2	2.00					2.00
178	WATER QUALITY TECHNICIAN 2	1.00					1.00
209	WATER DISTRIBUTION TECHNICIAN 2	2.00	1.00 ^a				3.00
221	SUPPORT SPECIALIST 2	0.50					0.50
294	PROJECT SPECIALIST	0.50					0.50
	Total	25.50	1.00	0.00	0.00	0.00	26.50

^a FY 2020-21 proposes a new 1 FTE Water Distribution Technician 2 position in the Water System Distribution program.

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 03 REVENUE
 PROGRAM: 0000 UNRESTRICTED

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 BEGINNING WORKING CAPITAL

301	BEGINNING WORKING CAPITAL												
		12,236,827	13,147,277		13,462,753		13,462,753	10,638,746				11,264,478	

TOTAL CLASS: 05 BEGINNING WORKING CAPITAL

		12,236,827	13,147,277		13,462,753		13,462,753	10,638,746				11,264,478	
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CLASS: 15 INTERGOVERNMENTAL REVENUE

329	OTHER INTERGOVERNMENTAL REV												
		101,872	88,526		80,000		80,000	80,000				80,000	

TOTAL CLASS: 15 INTERGOVERNMENTAL REVENUE

		101,872	88,526		80,000		80,000	80,000				80,000	
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CLASS: 20 PERMITS & FEES

355	WATER METER INSTALLATION FEES												
		51,989	33,835		20,000		20,000	20,000				20,000	

TOTAL CLASS: 20 PERMITS & FEES

		51,989	33,835		20,000		20,000	20,000				20,000	
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CLASS: 25 SERVICE FEES

361	WATER SALES												
		10,127,493	11,323,060		15,316,462		14,500,000	16,500,000				16,150,000	

362	UNMETERED WATER SALES												
		29,914	23,447		15,000		10,000	15,000				15,000	

364	CUSTOMER SERV CHARGES												
		27,385	27,845		25,000		30,000	30,000				30,000	

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 03 REVENUE
 PROGRAM: 0000 UNRESTRICTED

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

301 BEGINNING WORKING CAPITAL

329 OTHER INTERGOVERNMENTAL REV
 LEASE OF THE CITY'S EXCESS 2.1MGD JWC PLANT CAPACITY TO THE TUALATIN VALLEY WATER DISTRICT \$80,000

355 WATER METER INSTALLATION FEES
 CHARGES FOR NEW WATER METERS ARE INCREASING FOR METERS WHICH ARE CAPABLE OF RADIO SIGNAL READING \$20,000

361 WATER SALES
 FY 17-18 WATER SALES REFLECTS A 3.37% INCREASE IN THE CONSUMPTION CHARGE WHICH IS A 10 CENT INCREASE FROM \$2.97 TO \$3.07 PER 100 CUBIC FEET OF WATER EFFECTIVE JULY1, 2017 17 CENTS IS DEDICATED TO FUTURE CAPACITY INCREASES FOR THE WATER CONSTRUCTION FUND
 FY 18-19 WATER SALES REFLECTS A 3.26% INCREASE ON CONSUMPTION WHICH IS A 10 CENT INCREASE FROM \$3.07 TO \$3.17 PER 100 CUBIC FEET OF WATER EFFECTIVE JULY1, 2018 17 CENTS IS DEDICATED TO FUTURE CAPACITY INCREASES FOR THE WATER CONSTRUCTION FUND
 FY2018-19 REVISED ESTIMATE INCLUDES:
 3% INCREASE IN WATER SALES REVENUES OVER LAST YEAR'S ACTUALS -\$431,000
 REVENUE FROM AREAS WITHDRAWN FROM TVWD AND BILLED BY BEAVERTON
 AREAS 2 AND 5 BEGINNING IN DECEMBER 2018 - \$85,480
 AREAS 3 AND 6 BEGINNING IN MARCH 2019 - \$180,580
 AREA 4 BEGINNING IN MAY 2019 - 420,720
 FY 19-20 WATER SALES REFLECTS A 3.15% INCREASE ON CONSUMPTION WHICH IS A 10 CENT INCREASE FROM \$3.17 TO \$3.27 PER 100 CUBIC FEET OF WATER EFFECTIVE JULY1, 2019 AMENDMENT PACKET NO. 3 - INCREASE THE CONSUMPTION RATE BY 30 CENTS PER CCF TO FUND THE DEBT SERVICE PAYMENTS ON A \$30 MILLION REVENUE BOND ISSUE SCHEDULED FOR LATE FY 2019-20
 FY 20-21 WATER SALES REFLECTS A 18.5% INCREASE ON CONSUMPTION WHICH IS A 66 CENT INCREASE FROM \$3.57 TO \$4.23 PER 100 CUBIC FEET OF WATER EFFECTIVE DEC. 1, 2020 \$16,150,000 REVENUE FROM AREAS WITHDRAWN FROM TVWD AND BILLED BY BEAVERTON
 AREA 2&5 \$218,370
 AREA 3 \$406,834
 AREA 4 \$2,882,534
 AREA 6 \$290,437

362 UNMETERED WATER SALES
 CHARGES FOR USING WATER FROM HYDRANTS \$15,000

364 CUSTOMER SERV CHARGES
 FEES CHARGED FOR RETURNED CHECKS AND WATER METER TURN ON FEES. \$30,000

City of Beaverton - Finance
 Budget Preparation - 2021

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 03 REVENUE
 PROGRAM: 0000 UNRESTRICTED

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
366	DEMAND CHARGE												
	3,579,324		4,150,245		5,366,782		5,100,000	5,700,000		5,600,000			
369	UTILITY SALES ALLOWANCES												
	-71,077		-107,903		-85,000		-100,000	-95,000		-111,000			
TOTAL CLASS: 25 SERVICE FEES													
	13,693,039		15,416,694		20,638,244		19,540,000	22,150,000		21,684,000			
CLASS: 35 MISCELLANEOUS REVENUES													
382	SALE OF CITY OR BURA PROPERTY												
	12,825		11,443				27						
384	INVESTMENT INTEREST EARNINGS												
	206,543		295,435		313,600		313,600	262,100		183,500			
389	MISCELLANEOUS REVENUES												
	34,547		34,002		30,000		30,000	30,000		30,000			
394	MISC INTEREST EARNINGS												
	19,318		21,902		20,000		20,000	20,000		20,000			
398	SRVS PROVIDED TO OTHER FUNDS												
	91,179		347,548		200,000		200,000	200,000		200,000			
399	REIMBURSEMENTS - OTHER												
	280												
753	ENERGY EFFICIENCY REBATES												
			6,160				5,196						
757	MED/LIFE INS PREM REFUND DISTRIBUTION												
	3,656		2,261										
TOTAL CLASS: 35 MISCELLANEOUS REVENUES													
	368,348		718,751		563,600		568,823	512,100		433,500			
TOTAL PROGRAM: 0000 UNRESTRICTED													
	26,452,075		29,405,083		34,764,597		33,671,576	33,400,846		33,481,978			

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 03 REVENUE
 PROGRAM: 0000 UNRESTRICTED

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

- 366 DEMAND CHARGE
 MONTHLY METER COMPONENT OF CUSTOMER WATER CHARGES. THIS CHARGE IS FOR THE BASE CAPACITY DEMAND THAT EACH METER PLACES ON THE SYSTEM, METER REPAIR AND REPLACEMENT, LINE MAINTENANCE AND METER READING
 FY 17-18 REFLECTS MODEST GROWTH IN THE NUMBER OF NEW METERS SERVED AND \$1 PER MONTH (7.69%) INCREASE ON ALL METER SIZES, EFFECTIVE 7/1/2017.
 FY 18-19 MODEST GROWTH IN THE NUMBER OF NEW METERS SERVED AND \$1 PER MONTH (7.14%) INCREASE ON ALL METER SIZES, EFFECTIVE 7/1/2018
 FY 2018-19 ESTIMATE INCLUDES REVENUE FROM AREAS WITHDRAWN FROM TVWD DURING THE YEAR:
 FY 19-20 MODEST GROWTH IN THE NUMBER OF NEW METERS SERVED AND \$1 PER MONTH (7.14%) INCREASE ON ALL METER SIZES, EFFECTIVE 7/1/2019
 FY 20-21 MODEST GROWTH IN THE NUMBER OF NEW METERS SERVED AND \$1 PER MONTH (6.25%) INCREASE ON ALL METER SIZES, EFFECTIVE 12/1/2020 \$5,600,000 REVENUE FROM AREAS WITHDRAWN FROM TVWD AND BILLED BY BEAVERTON
 AREA 2&5 \$35,544
 AREA 3 \$210,888
 AREA 4 \$706,788
 AREA 6 \$91,164

- 369 UTILITY SALES ALLOWANCES
 BILLING ADJUSTMENTS TO CUSTOMER ACCOUNTS FOR LEAKS, WRITE OFF OF DELINQUENT CHARGES, WHEN APPLICABLE AND WRITE OFF OF UNCOLLECTIBLE ACCOUNTS \$111,000

- 382 SALE OF CITY OR BURA PROPERTY

- 384 INVESTMENT INTEREST EARNINGS
 INTEREST EARNINGS IS BASED ON AVAILABLE CASH BALANCES AND INTEREST RATES:
 FY 16-17 BUDGETED INTEREST EARNINGS ARE BASED UPON .55%
 FY 17-18 BUDGETED INTEREST EARNINGS ARE BASED UPON 1.10%
 FY 18-19 BUDGETED INTEREST EARNINGS ARE BASED UPON 1.75%
 FY 19-20 BUDGETED INTEREST EARNINGS ARE BASED UPON 3.00% FY 20-21 BUDGETED INTEREST EARNINGS ARE BASED UPON 1.40% \$183,500

- 389 MISCELLANEOUS REVENUES
 AT&T CELL TOWER SITE LEASE, T-MOBILE CELL TOWER SITE LEASE, HYDRANT METER \$30,000 RENTALS, 3RD PARTY RECOVERIES FOR DAMAGES TO CITY PROPERTY

- 394 MISC INTEREST EARNINGS
 REVENUES FROM DELINQUENT CHARGES ASSESSED THROUGH THE CITY'S UTILITY \$20,000 BILLING SYSTEM

- 398 SRVS PROVIDED TO OTHER FUNDS
 REIMBURSEMENTS RECEIVED FROM OTHER FUNDS FOR PROVIDING IN-HOUSE ENGINEERING SERVICES FOR CAPITAL PROJECTS. \$200,000

- 399 REIMBURSEMENTS - OTHER

- 753 ENERGY EFFICIENCY REBATES
 PGE ENERGY EFFICIENCY REBATE - INCENTIVE FOR THE SEXTON MT. PUMP STATION'S PARTICIPATION IN THE ENERGY PARTNER PROGRAM WITH PGE.
 THE PROGRAM IS SEASONAL AND MAY NOT CONTINUE IN THE FY20-21.

- 757 MED/LIFE INS PREM REFUND DISTRIBUTION
 MODA MEDICAL INSURANCE PREMIUM EXPERIENCE REBATE DISTRIBUTION TO OPERATING FUNDS

BP WORKSHEET & JUSTIFICATION

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
TOTAL DEPARTMENT: 03 REVENUE													
	26,452,075		29,405,083		34,764,597		33,671,576	33,400,846				33,481,978	

BP WORKSHEET & JUSTIFICATION

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS



City of Beaverton - Finance
 Budget Preparation - 2021

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING
 PROGRAM: 0740 ENTERPRISE MGMT & ADMIN

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 PERSONNEL SERVICES

046	PRINCIPAL ENGINEER												
	53,062	.40	56,097	.40	57,940	.40	64,737	56,019	.40	56,019	.40		
068	ENGINEERING ASSOCIATE												
			11,153	1.00	83,970	1.00	70,043	75,324	1.00	75,324	1.00		
084	PROJECT ENGINEER 1												
	141,555	1.50	231,929	2.50	214,071	2.10	207,486	217,564	2.10	215,894	2.10		
123	ENGINEERING TECH 2												
					7,702		8,654						
124	ENGINEERING CONST INSPECTOR												
	24,829	.40	26,638	.40									
175	PROJECT ENGINEER 2												
	30,591	1.00	111,981	1.00	214,973	2.00	147,272	230,031	2.00	230,031	2.00		
221	SUPPORT SPECIALIST 2												
	23,721	.50	25,371	.50	28,021	.50	22,056	27,870	.50	27,870	.50		
294	PROJECT SPECIALIST												
					28,444	.50	28,668	36,998	.50	36,998	.50		
299	PAYROLL TAXES AND FRINGES												
	141,845		222,142		367,661		296,834	371,140		370,128			

TOTAL CLASS: 05 PERSONNEL SERVICES

	415,603	3.80	685,311	5.80	1,002,782	6.50	845,750	1,014,946	6.50	1,012,264	6.50		
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CLASS: 10 MATERIALS & SERVICES

303	OFFICE FURNITURE & EQUIPMENT												
	1,616		2,096		3,100			2,500		2,500			
305	SPECIAL DEPARTMENT SUPPLIES												
	70		4		400		400	400		400			

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING
 PROGRAM: 0740 ENTERPRISE MGMT & ADMIN

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

- 046 PRINCIPAL ENGINEER
 POSITION IS ALLOCATED 40 FTE 501-72-0740 / .25 FTE 502-72-0740 / .25 FTE 513-72-0740 / AND .10 FTE 001-72-0703.
 FY 2019-20 REFLECTS 380 HRS PTO CASH-IN.
 - 068 ENGINEERING ASSOCIATE
 FY 2018-19 REFLECTS A NEW 1 FTE ENGINEERING ASSOCIATE ADDED MID-YEAR
 - 084 PROJECT ENGINEER 1
 1 FTE PROJ ENGR 1 ALLOCATED 60% 001-85-0701 AND 10% IN EACH OF THE FOLLOWING:
 101-72-0735, 502-72-0740, 513-72-0740, 501-72-0740.
 FY 18-19 REFLECTS A NEW 1 FTE PROJECT ENGINEER 1 POSITION.
 FY 2019-20 REFLECTS 1 FTE PROJECT ENGR 1 POSITION BEING REALLOCATED FROM 20/40/40 IN STREET FUND / WATER FUND / STORM DRAIN FUND TO 100% IN STREET FUND PROGRAM 0735.
 - 123 ENGINEERING TECH 2
 FY 2019-20 REFLECTS 1 FTE ET2 TRANSFERRED FROM THE GENERAL FUND - ENGINEERING TO 50 / 25 / 25 IN WATER FUND / SEWER FUND / STORM DRAIN FUND - ENTERPRISE MGMT PROGRAM.
 POSITION ALLOCATED 50% WATER FUND, 25% SEWER FUND AND 25% STORM DRAIN FUND.
 FY 2019-20 REFLECTS MID-YEAR RECLASSIFICATION OF AN ENGINEERING TECH2 POSITION TO A PROJECT SPECIALIST POSITION.
 - 124 ENGINEERING CONST INSPECTOR
 1 FTE ENGINEERING CONSTRUCTION INSPECTOR IS ALLOCATED
 40% 501-72-0740, 40% 513-72-0740, 20% 101-72-0735
 FY 2019-20 REFLECTS 1 FTE ENGR CONST INSPECTOR POSITION'S ALLOCATION CHANGING FROM 20/40/40 IN STREET FUND 101-72-0735 / WATER FUND 501-72-0740 / STORM FUND 513-72-0740 TO 100% IN GENERAL FUND (001-70-0701)
 - 175 PROJECT ENGINEER 2
 FY 17-18 REFLECTS MID-YEAR RECLASSIFICATION OF 1 FTE PROJECT ENGINEER POSITION TO 1 FTE PROJECT ENGINEER 2 POSITION.
 FY 19-20 REFLECTS A NEW 1 FTE PROJECT ENGINEER 2 POSITION.
 FT 2019-20 AND 2020-21 REFLECT 80 HRS PTO CASH-IN.
 - 221 SUPPORT SPECIALIST 2
 POSITION IS ALLOCATED .50 FTE 501-72-0740 / .25 FTE 502-72-0740 / .25 FTE 513-72-0740.
 - 294 PROJECT SPECIALIST
 POSITION ALLOCATED 50% WATER FUND, 25% SEWER FUND AND 25% STORM DRAIN FUND.
 FY 2019-20 REFLECTS MID-YEAR RECLASSIFICATION OF AN ENGINEERING TECH2 POSITION TO A PROJECT SPECIALIST POSITION.
 - 299 PAYROLL TAXES AND FRINGES
 PAYROLL TAXES AND FRINGE BENEFITS EXPRESSED AS A PERCENTAGE OF SALARY TOTALS 58.14% AS A CITY-WIDE AVERAGE AND CONSISTS OF THE FOLLOWING:
 34.14% IN PAYROLL TAXES CONSISTING OF 7.65% FICA, AVERAGE OF 23.22% FOR RETIREMENT CONTRIBUTIONS (28.45% PERS. 19.45% OPSRP GENERAL OR 24.08% OPSRP POLICE), AND 3.27% IN OTHER TAXES (UNEMPLOYMENT, LONG TERM DISABILITY, WORKERS COMPENSATION, PEHP, AND TRIMET)
 24.00% AS THE AVERAGE COST OF MEDICAL, DENTAL, LIFE AND AD&D INSURANCES
-
- 303 OFFICE FURNITURE & EQUIPMENT
 MISCELLANEOUS OFFICE FURNITURE AND EQUIPMENT \$2,500
 - 305 SPECIAL DEPARTMENT SUPPLIES
 MISCELLANEOUS SUPPLIES AND MATERIALS \$400

City of Beaverton - Finance
 Budget Preparation - 2021

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING
 PROGRAM: 0740 ENTERPRISE MGMT & ADMIN

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
307	MEMBERSHIP FEES												
	48,390		54,395		60,925		61,250	61,370		61,370			
314	OUTSIDE REPRODUCTION EXPENSES												
					1,000		500	1,700		1,700			
317	COMPUTER EQUIPMENT												
	5,294		7,517		1,500		1,500						
318	COMPUTER SOFTWARE												
	4,000				30,000								
321	TRAVEL, TRAINING & SUBSISTENCE												
	10,785		5,996		25,825		7,348	19,700		19,700			
328	MEALS & RELATED EXPENSE												
	608		1,342		1,500		1,500	1,500		1,500			
361	UNIFORMS & SPECIAL CLOTHING												
	597		596		750		750	1,050		1,050			
444	ASR OPERATING & MONITORING EXP												
			186,643		306,550		290,000	198,000		198,000			
445	NON-CIP ENGINEERING EXPENSE												
					50,000		20,000	50,000					
461	SPECIAL EXPENSE												
	13,341		21,066		30,900		23,700	40,900		40,900			
511	PROFESSIONAL SERVICES												
	63,537		60,847		793,800		215,000	331,800		457,000			

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING
 PROGRAM: 0740 ENTERPRISE MGMT & ADMIN

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

307	MEMBERSHIP FEES 5 - PROF ENGINEER LICENSE RENEWAL (INCLUDING NEW PE2 POSITION) \$1,000 3 - ASCE (AMERICAN SOCIETY OF CIVIL ENGINEERS) (\$225EA) (DW, PD & PE2) \$675 OREGON ASSOC OF WATER UTILITIES (CITY MEMBERSHIP)\$8,200 AWWA CITY MEMBERSHIP\$4,100 AMERICAN PUBLIC WORKS ASSOCIATION MEMBERSHIP (SS & PE2) \$380 WATER RIGHTS EXAMINER LICENSE RENEWAL (DW) \$100 REGIONAL WATER PROVIDER CONSORTIUM ANNUAL DUES\$40,250 LEAGUE OF OREGON CITIES ANNUAL DUES (WATER PORTION)\$6,345 1-PROF LAND SURVEYOR LICENSE RENEWAL (\$220EA) (DW) \$220 1-PLSO MEMBERSHIP (\$100EA) (DW) \$100
314	OUTSIDE REPRODUCTION EXPENSES AWWA COPYRIGHTED BROCHURES & MATERIALS; OTHER PRINTED MATERIALS RELATED TO WATER\$1,000 VARIOUS WATER CONSERVATION PRINT MATERIALS\$700
317	COMPUTER EQUIPMENT NO APPROPRIATION REQUESTED
318	COMPUTER SOFTWARE
321	TRAVEL, TRAINING & SUBSISTENCE 1 - TRAINING FOR WATER DIST 1 PROFESSIONAL DEV HOURS (BB) \$900 1 - PROFESSIONAL ENG/PROF LAND SURVEYOR/WATER RIGHTS (PRINCIAL ENG)\$1,000 6 - PNWS-AWWA CONFERENCE REGISTRATION AND EXPENSES (\$1,500 EA) (5 PE, 1 SPECIALIST) \$9,000 2 - APWA CONFERENCE AND TECHNICAL TRAININGS\$2,000 1 - TRAINING FOR SANITARY CERT PROFESSIONAL DEV HOURS (DW)\$900 DEPARTMENTAL PROFESSIONAL DEVELOPMENT\$2,500 1 - TRAINING FOR ASSOCIATE ENGINEER \$1,000 FOR NEW PROJ ENGR 2 POSITION: APWA CONF AND TECHNICAL ENGINEER TRAININGS\$2,400
328	MEALS & RELATED EXPENSE PROF MEETINGS AND MEALS ASSOCIATED WITH TRAINING\$500 HOST WATER REGIONAL WATER PROVIDERS CONSORTIUM MEETINGS\$400 HOST AWWA SUBSECTION LUNCH\$600
361	UNIFORMS & SPECIAL CLOTHING 7 - RAINGEAR, FOOTWEAR, CLOTHING, JACKETS, HARD HATS, VESTS & SAFETY EQUIP (\$150/EMPLOYEE) \$1,050
444	ASR OPERATING & MONITORING EXP ASR ANNUAL REPORTING AND ON CALL SERVICES \$198,000
445	NON-CIP ENGINEERING EXPENSE
461	SPECIAL EXPENSE INFORMATION DEVICES (EMERGENCY PREPAREDNESS AND WATER CONSERVATION)\$1,500 WATER SAVINGS KITS FOR PUBLIC DISTRIBUTION\$3,000 MANDATED COB WATER SYSTEM EMERGENCY RESPONSE PLAN UPDATE\$5,000 CITY SHARE OF JWC WASH. CO FAIR BOOTH \$500 MESSENGER SERVICES \$400 WATER SAVINGS REBATE PROGRAM\$30,000 CITY SHARE OF COLLEGE CAREER FAIR BOOTH FOR STAFF RECRUITMENT 500 \$500
511	PROFESSIONAL SERVICES CONSULTANT SERVICES FOR EPA MANDATED CONSUMER CONFIDENCE REPORT\$7,000 ELEMENTARY SCHOOLS WATER CONSERVATION PERFORMANCES\$1,000 IN-HOUSE LOCATE CHARGES \$45,000 WATER AUDITS FOR WATER CONSERVATION\$2,000 WATER SDC RATE STUDY (POTABLE AND NON-POTABLE)\$20,000 COMMUNITY WATER SYSTEM RISK AND RESILENCE\$200,000 SHAKE ALERT - TELEMETRY INTERGRATIONS\$10,000 FRACTA - PIPELINE CONDITION ASSESSMENT\$15,000 WATER SYSTEM HYDROLIC MODELING \$50,000 CATHODIC PROTECTION STUDY \$67,000 ON-CALL SURVEY \$40,000

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING
 PROGRAM: 0740 ENTERPRISE MGMT & ADMIN

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
TOTAL CLASS: 10 MATERIALS & SERVICES													
	148,238		340,502		1,306,250		621,948	708,920		784,120			
CLASS: 25 TRANSFERS													
816	TRSFERS TO REPROGRAPHICS FUND												
	3,709		2,278		1,651		1,651	2,322		2,322			
817	TRSFERS TO GARAGE FUND												
			39					33		33			
835	TRSMR TO GF, BVTN BLDG OPERATIONS												
	20,592		10,296		16,701		16,701	21,892		21,892			
836	TRSMR TO GF, BVTN BLDG DEBT SVC												
	27,400		10,356		12,834		18,627	5,793					
TOTAL CLASS: 25 TRANSFERS													
	51,701		22,969		31,186		36,979	30,040		24,247			
TOTAL PROGRAM: 0740 ENTERPRISE MGMT & ADMIN													
	615,542	3.80	1,048,782	5.80	2,340,218	6.50	1,504,677	1,753,906	6.50	1,820,631	6.50		

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING
PROGRAM: 0740 ENTERPRISE MGMT & ADMIN

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

- 816 TRSFERS TO REPROGRAPHICS FUND
ALLOCATION OF COPIER, GRAPHICS, PRINTING, MAILING, & POSTAGE CHARGES THROUGH REPROGRAPHICS \$2,322
- 817 TRSFERS TO GARAGE FUND
ALLOCATION OF FLEET SERVICES (FUEL, MAINTENANCE & REPLACEMENT) PROVIDED BY THE GARAGE FUND \$33
- 835 TRSFR TO GF, BVTN BLDG OPERATIONS
BEAVERTON BUILDING OPERATING EXPENSE ALLOCATION \$21,892
- 836 TRSFR TO GF, BVTN BLDG DEBT SVC
BEAVERTON BUILDING DEBT SERVICE EXPENSE ALLOCATION
THE BONDS WILL BE PAID OFF IN FY 2019-20

City of Beaverton - Finance
 Budget Preparation - 2021

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING
 PROGRAM: 0747 WIFIA PROGRAM MGMT

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 EST AMT	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE		AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 10 MATERIALS & SERVICES
 511 PROFESSIONAL SERVICES

100,000

TOTAL CLASS: 10 MATERIALS & SERVICES

100,000

TOTAL PROGRAM: 0747 WIFIA PROGRAM MGMT

100,000

TOTAL DEPARTMENT: 72 CAPITAL DEVELOPMNT-ENGINEERING

615,542	3.80	1,048,782	5.80	2,340,218	6.50	1,504,677	1,853,906	6.50	1,820,631	6.50
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City of Beaverton - Finance

Budget Preparation - 2021

FUND: 501 WATER FUND

DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING

PROGRAM: 0747 WIFIA PROGRAM MGMT

BP WORKSHEET & JUSTIFICATION

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

511 PROFESSIONAL SERVICES

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0741 WATER SERVICES

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 10 MATERIALS & SERVICES

316	ADVERTISING, RECORDING & FILING												
	2,118						100						
409	WATER PURCHASES FOR RESALE												
	1,383,335		1,482,560		1,684,550		1,684,550	1,700,000		1,700,000			
410	BARNEY RESERVOIR OPERATIONS												
	95,900		104,864		150,051		150,051	150,000		150,000			
417	WIF ADMIN OPERATING EXPENSE												
			29,588		13,000		13,000	22,477		22,477			
418	JWC OPERATING EXP - OTHER												
	79,811		59,131		45,000		80,000	70,000		70,000			
439	WATER WHEELING SERVICES - TVWD												
			312,589		1,671,621		1,453,450	1,700,000		1,500,000			
447	WATER PURCHASES - WHEELING												
	303				510,000		375,000	520,000		390,000			
486	WWSP NON-CAPITAL EXPENSE												
							393,024						
497	DEBT ISSUANCE COST												
	135,399		1,600		150,850		136,199						
498	UNDERWRITERS DISCOUNT, BOND												
	9,816				20,000		168,501						
511	PROFESSIONAL SERVICES												
	248,674		260,707		310,000		310,000						
512	CITY RIGHT OF WAY FEES												
	641,861		715,778		919,379		919,379	1,110,000		1,087,500			

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

316	ADVERTISING, RECORDING & FILING
409	WATER PURCHASES FOR RESALE FY 17-18 INCLUDES: JWC WATER TREATMENT PLANT WATER PRODUCTION CHARGES BUD\$1,400,000/ ACTUAL \$1,365,000 BUREAU OF RECLAMATION BUD \$26,000/ ACTUAL \$18,000 PORTLAND WATER BUREAU BUD \$500/ ACTUAL 500 FY 18-19 INCLUDES \$1,600,000 FOR JWC WATER AND TREATMENT PLANT COSTS, \$27,000 BUREAU OF JWC WATER TREATMENT PLANT WATER PRODUCTION CHARGES \$1,600,000 BUREAU OF RECLAMATION \$27,000 PORTLAND WATER BUREAU \$525 FY 19-20 INCLUDES: JWC WATER TREATMENT PLANT WATER PRODUCTION CHARGES BUREAU OF RECLAMATION PORTLAND WATER BUREAU FY20-21 \$1,700,000
410	BARNEY RESERVOIR OPERATIONS REFLECTS ALLOCATION OF STAFFING AND OPERATING EXPENSES FOR CITY OF HILLSBORO BETWEEN BARNEY MEMBERS. INCLUDES THE COST OF SAMPLING AND ANALYSIS FOR WATER QUALITY \$150,000
417	WIF ADMIN OPERATING EXPENSE BEAVERTON'S PROPORTIONAL EXPENSE OF THE WILLAMETTE INTAKE FACILITIES COMMISSION'S OPERATIONS. \$22,477
418	JWC OPERATING EXP - OTHER MAINTENANCE PERFORMED BY JWC STAFF ON CHLORINE SCRUBBER, TRANSMISSION LINE CORRIDOR, SEDIMENT REMOVAL AND INSPECTIONS OF THE CLEARWELL AND RESERVOIRS. \$70,000
439	WATER WHEELING SERVICES - TVWD PAYMENT TO TVWD TO WHEEL WATER THROUGH TVWD'S SYSTEM FOR THE 4,077 ACCOUNTS THAT WERE WITHDRAWN FROM TVWD'S SERVICE AREA AND TRANSFERRED TO THE CITY OF BEAVERTON'S SERVICE AREA FY 2018-19 216,655 CCF OF WATER AT WHEELING CHARGE OF \$1.722 PER CCF \$373,080 FY 2019-20 970,744 CCF OF WATER AT WHEELING CHARGE OF \$1.722 PER CCF FY 2020-21 892,000 CCF OF WATER AT WHEELING CHARGE OF \$1.682 PER CCF \$1,500,000
447	WATER PURCHASES - WHEELING WATER PURCHASES FROM THE JWC WATER TREATMENT PLANT THAT IS WHEELED THROUGH TVWD'S WATER SYSTEM TO SERVE THE AREAS WITHDRAWN FROM THE TVWD'S SERVICE DISTRICT AND NOW SERVED BY CITY OF BEAVERTON \$390,000
486	WWSP NON-CAPITAL EXPENSE
497	DEBT ISSUANCE COST BOND PAYING AGENT FEES BOND ISSUANCE COSTS FOR PROJECTED \$30 MILLION 2019 WATER REVENUE BONDS
498	UNDERWRITERS DISCOUNT, BOND COST FOR PROJECTED \$30 MILLION 2019 WATER REVENUE BONDS
511	PROFESSIONAL SERVICES FY 2019-20 INCREASE REFLECTS A SLIGHT INCREASE FOR GROWTH IN NUMBER OF METERS READ AND ADDITIONAL COSTS EXPECTED WITH THE TVWD WITHDRAWAL AREAS AND SOUTH COOPER MOUNTAIN
512	CITY RIGHT OF WAY FEES THIS ACCOUNT WAS ESTABLISHED TO ACCOUNT FOR THE PAYMENT IN LIEU OF 5% ROW LICENSE FEES TO THE GENERAL FUND. FY 2019-20 INCREASE REFLECTS THE 4,077 WATER ACCOUNTS THAT WERE WITHDRAWN FROM THE TVWD AND NOW SERVED AND BILLED BY THE CITY OF BEAVERTON

City of Beaverton - Finance
 Budget Preparation - 2021

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0741 WATER SERVICES

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
525	PMTS TO OTHER GOVERNMENT AGENCIES												
	53,778		55,891		60,000		59,178	60,000		60,000		60,000	
TOTAL CLASS: 10 MATERIALS & SERVICES													
	2,650,692		3,023,011		5,534,451		5,742,432	5,332,477		4,979,977			
CLASS: 25 TRANSFERS													
801	TRSFER TO GENERAL FD - OVERHEAD												
	318,316		360,830		448,971		448,971	518,656		518,656			
802	TRSFER TO GENERAL FD-ACCOUNTING												
	28,616		62,355		100,875		100,875	135,149		135,149			
818	TRSFERS TO ISD-ALLOCATED												
	232,089		275,734		329,957		329,957	316,718		324,000			
819	TRSFERS TO INSURANCE FUND												
	228,792		228,792		285,990		285,990	285,990		285,990			
832	TRSFERS TO WATER DEBT SVC FUND												
	748,426		2,184,994		2,184,994		2,184,994	4,536,568		4,432,135			
833	TRSFERS TO WATER CONSTRUCT FUND												
	1,230,000		1,000,000		2,000,000		2,000,000	2,000,000		2,000,000			
844	TRSFERS TO WATER WIFIA FUND												
							120,000	630,000		630,000			
TOTAL CLASS: 25 TRANSFERS													
	2,786,239		4,112,705		5,350,787		5,470,787	8,423,081		8,325,930			
CLASS: 30 FUND BAL/CONTINGENCY/RESERVES													
972	RESERVE - OPERATIONS FACILITY REPLACMT												
					121,939			243,734		243,734			
987	RESERVE - JWC EMERGENCY EQUIPMT												
					500,000			500,000		500,000			
991	CONTINGENCY - UNRESERVED												
					8,571,610			4,392,551		4,716,400			
995	RESERVE - RATE STABILIZATION												
					600,000			600,000		600,000			
996	RESERVE - EQUIPMENT REPLACMT												
					398,636			513,491		513,491			

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0741 WATER SERVICES

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

- 525 PMTS TO OTHER GOVERNMENT AGENCIES
 PAYMENTS TO WEST SLOPE WATER DISTRICT FOR TRANSFER OF 66 ACCOUNTS TO THE CITY OF \$60,000
 BEAVERTON. INCLUDES 4.36% OF ANNUAL DEBT SERVICE ON WATER RESERVOIR BOND ISSUE
 AND REIMBURSEMENT FOR UNDERCONSUMPTION ON THE PORTLAND WATER CONTRACT

- 801 TRSFR TO GENERAL FD - OVERHEAD
 ALLOCATION OF OVERHEAD SERVICES PROVIDED BY THE GENERAL FUND
 14.59% OF FY19-20 BUDGETED PERSONNEL SERVICES TOTAL EXPENDITURES \$518,656
- 802 TRSFR TO GENERAL FD-ACCOUNTING
 ALLOCATION OF ACCOUNTING SERVICES PROVIDED BY THE GENERAL FUND \$135,149
- 818 TRSFRS TO ISD-ALLOCATED
 ALLOCATION OF SERVICES PROVIDED BY THE INFORMATION SYSTEMS FUND \$239,466
 SOFTWARE MAINTENANCE - TELEMETRY, ASSET SYSTEM, BACKFLOW SYSTEM AND UTILITY BILLINGS \$82,334
 ENGINEERING SOFTWARE UPGRADES \$2,200
- 819 TRSFRS TO INSURANCE FUND
 ALLOCATION OF CHARGES FOR GENERAL LIABILITY AND PROPERTY INSURANCE \$285,990
- 832 TRSFRS TO WATER DEBT SVC FUND
 DEBT SERVICE (PRINCIPAL & INTEREST) ON OUTSTANDING WATER REVENUE BONDS. (2016 & 2018)
 2016 BOND ISSUE \$680,748
 2018 BOND ISSUE \$1,440,250
 2020 BOND ISSUE \$2,246,027
 CONTRACTUAL DEBT TO BUREAU OF RECLAMATION FOR SCOGGINS DAM \$65,110
- 833 TRSFRS TO WATER CONSTRUCT FUND
 TRANSFER FROM WATER OPERATING FUND TO HELP COVER THE COST OF VARIOUS JWC AND EXTRA \$2,000,000
 CAPACITY INCREASE PROJECTS
- 844 TRSFRS TO WATER WIFIA FUND

- 972 RESERVE - OPERATIONS FACILITY REPLACMT
 IN FY 2019-20, CITY ESTABLISHED A RESERVE TO BEGIN ACCUMULATING FUNDS
 FOR THE EVENTUAL REPLACEMENT OF THE OPERATIONS FACILITY COMPLEX (\$500,000 PER YEAR)
 \$1,000,000 ACCUMULATED BALANCE IS ALLOCATED BASED UPON FTE COUNTS IN DEPARTMENT 85.
 GENERAL FUND \$141,110
 STREET FUND \$265,157
 WATER FUND \$243,734
 SEWER FUND \$130,461
 STORM DRAIN FUND \$219,538
 \$243,734
- 987 RESERVE - JWC EMERGENCY EQUIPMT
 DEDICATED CONTINGENCY FOR JOINT WATER COMMISSION EMERGENCY PLANT EQUIPMENT (CITY'S SHARE IS 25% OF
 \$2,000,000) \$500,000
- 991 CONTINGENCY - UNRESERVED
- 995 RESERVE - RATE STABILIZATION
 DEDICATED CONTINGENCY FOR WATER RATE STABILIZATION PER BOND COVENANTS \$600,000
- 996 RESERVE - EQUIPMENT REPLACMT
 RESERVE FOR EQUIPMENT REPLACEMENT, JWC RESERVE FOR VEHICLE REPLACEMENT, COB \$513,491

City of Beaverton - Finance
 Budget Preparation - 2021

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0741 WATER SERVICES

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 EST AMT	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE		AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

TOTAL CLASS: 30 FUND BAL/CONTINGENCY/RESERVES

					10,192,185				6,249,776			6,573,625	

TOTAL PROGRAM: 0741 WATER SERVICES

	5,436,931		7,135,716		21,077,423		11,213,219		20,005,334			19,879,532	

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
DEPT: 85 PUBLIC WORKS - OPERATIONS
PROGRAM: 0741 WATER SERVICES

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS



BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0742 WATER SYSTEM DISTRIBUTION

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 PERSONNEL SERVICES

057	PUBLIC WORKS SUPERVISOR												
	83,693	1.00	85,804	1.00	91,050	1.00	91,140	93,223	1.00	93,223	1.00		
112	PUBLIC WORKS MANAGER 3												
	55,673	.50	59,121	.50	61,067	.50	61,180	62,424	.50	62,424	.50		
133	WATER CUSTOMER SERVICE TECH												
	62,949	1.00											
162	WATER DISTRIBUTION LEAD												
	64,571	1.00	78,208	1.00	221,371	4.00	236,127	248,474	3.00	234,582	3.00		
173	WATER DISTRIBUTION TECHNICIAN 1												
	194,214	6.00	193,518	6.00	338,999	6.00	310,894	377,427	6.00	366,002	6.00		
188	INVENTORY CONTROL TECHNICIAN												
	15,822	.25											
209	WATER DISTRIBUTION TECHNICIAN 2												
	166,563	3.00	349,031	5.00	206,346	2.00	203,317	140,876	2.00	187,423	3.00		
299	PAYROLL TAXES AND FRINGES												
	353,470		453,200		672,469		573,689	580,965		622,289			

TOTAL CLASS: 05 PERSONNEL SERVICES

	996,955	12.75	1,218,882	13.50	1,591,302	13.50	1,476,347	1,503,389	12.50	1,565,943	13.50		
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CLASS: 10 MATERIALS & SERVICES

301	OFFICE EXPENSE												
	153		548		600		600	600		600			
303	OFFICE FURNITURE & EQUIPMENT												
	66		381		1,050		1,000	1,150		1,150			
304	DEPARTMENT EQUIPMENT EXPENSE												
	13,797		18,431		32,000		31,000	41,875		41,875			

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0742 WATER SYSTEM DISTRIBUTION

OBJ	OBJECT DESCRIPTION	JUSTIFICATIONS
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- 057 PUBLIC WORKS SUPERVISOR
 FY 2020-21 REFLECTS 40 HRS PTO CASH-IN.
 - 112 PUBLIC WORKS MANAGER 3
 1 FTE PUBLIC WORKS MANAGER 3 IS ALLOCATED:
 50% 501-85-0743 / 50% 501-85-0742.
 FY 2019-20 REFLECTS 84 HRS PTO CASH-IN AND FY 2020-21 REFLECTS 80 HRS PTO CASH-IN.
 - 133 WATER CUSTOMER SERVICE TECH
 FY 18-19 REFLECTS TRANSFER OF 1 FTE WATER CUSTOMER SERVICE TECH POSITION FROM
 PROGRAM 0742 (WATER SYSTEM DISTRIBUTION) TO PROGRAM 0743 (WATER SYSTEM QUALITY).
 - 162 WATER DISTRIBUTION LEAD
 FY 2019-20 REFLECTS MID-YEAR RECLASSIFICATION OF 3 FTE WATER DISTRIBUTION TECH 2
 POSITIONS TO 3 FTE WATER DISTRIBUTION LEAD POSITIONS.
 FY 2020-21 REFLECTS 1 FTE WATER DISTR LEAD POSITION TRANSFERRING WITHIN THE WATER FUND
 FROM PROGRAM 0742 TO 0743.
 FY 2020-21 REFLECTS 40 HRS PTO CASH-IN.
 - 173 WATER DISTRIBUTION TECHNICIAN 1
 FY 2019-20 REFLECTS 238 HRS PTO CASH-IN.
 - 188 INVENTORY CONTROL TECHNICIAN
 FY 2018-19 REFLECTS REDISTRIBUTION OF 1 FTE INVENTORY CONTROL TECH POSITION FROM
 25% IN 001-85 / 25% IN 101-85 / 25% IN 501-85 / 10% IN 502-85 / 15% IN 513-85 TO 100% IN
 THE GARAGE FUND.
 - 209 WATER DISTRIBUTION TECHNICIAN 2
 FY 18-19 REFLECTS 2 NEW FTE WATER DISTRIBUTION EQUIPMENT OPERATOR POSITIONS.
 FY 2019-20 REFLECTS MID-YEAR RECLASSIFICATION OF 3 FTE WATER DISTRIBUTION TECH 2
 POSITIONS TO 3 FTE WATER DISTRIBUTION LEAD POSITIONS.
 FY 2019-20 REFLECTS 280 HRS PTO CASH-IN.
 FY 2020-21 REFLECTS A NEW 1 FTE WATER DISTR TECH 2 POSITION STARTING 9/1/2020.
 - 299 PAYROLL TAXES AND FRINGES
 PAYROLL TAXES AND FRINGE BENEFITS EXPRESSED AS A PERCENTAGE OF SALARY
 TOTALS 58.14% AS A CITY-WIDE AVERAGE AND CONSISTS OF THE FOLLOWING:
 34.14% IN PAYROLL TAXES CONSISTING OF 7.65% FICA, AVERAGE OF 23.22% FOR
 RETIREMENT CONTRIBUTIONS (28.45% PERS. 19.45% OPSRP GENERAL OR
 24.08% OPSRP POLICE), AND 3.27% IN OTHER TAXES (UNEMPLOYMENT,
 LONG TERM DISABILITY, WORKERS COMPENSATION, PEHP, AND TRIMET)
 24.00% AS THE AVERAGE COST OF MEDICAL, DENTAL, LIFE AND AD&D INSURANCES
-
- 301 OFFICE EXPENSE
 OFFICE SUPPLIES \$600
 - 303 OFFICE FURNITURE & EQUIPMENT
 OFFICE FURNITURE 1 NEW LOCKER \$350
 CHAIR REPLACEMENT \$800
 - 304 DEPARTMENT EQUIPMENT EXPENSE
 REPLACEMENT OF MISCELLANEOUS POWER TOOLS \$15,000
 VALVE TURNING PROGRAM \$4,000
 FLUSHING PROGRAM \$4,000
 HYDRANT REPAIR AND REBUILD \$1,500
 LOCATING \$3,000
 HAMMERHEAD MISSILE FOR TRENCHLESS SERVICE INSTALLATION \$4,400
 DATALOGGER LEAK DETECTION SYSTEM \$9,975

City of Beaverton - Finance
 Budget Preparation - 2021

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0742 WATER SYSTEM DISTRIBUTION

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
305	SPECIAL DEPARTMENT SUPPLIES												
	5,328		6,800		6,800		6,800	20,800		20,800			
307	MEMBERSHIP FEES												
	823		1,440		3,440		3,400	3,270		3,270			
308	PERIODICALS & SUBSCRIPTIONS												
	200		200		450		400	450		450			
317	COMPUTER EQUIPMENT												
			1,167					559		559			
318	COMPUTER SOFTWARE												
321	TRAVEL, TRAINING & SUBSISTENCE												
	5,169		5,465		19,335		8,000	15,910		15,910			
361	UNIFORMS & SPECIAL CLOTHING												
	6,908		7,765		14,000		14,000	14,000		14,000			
371	EQUIPMENT OPER & MAINT EXPENSE												
					6,650		3,450						
372	ROLLING STOCK & EQUIPMENT UNDER \$10K												
					5,500		5,500	9,500		9,500			
413	SERVICE INSTALLATIONS												
	2,341		3,276		10,500		10,500	32,500		7,500			
419	CHEMICAL & LABORATORY SUPPLIES												
	155		16,663		12,100		10,000	10,200		10,200			
425	DUMPING EXPENSES												
	1,729		2,482		4,500		4,500	6,000		6,000			
441	LINE MAINTENANCE												
	153,412		161,995		180,000		178,500	180,000		180,000			
446	METER MAINTENANCE												

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0742 WATER SYSTEM DISTRIBUTION

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

- 305 SPECIAL DEPARTMENT SUPPLIES
 - PIPE TAPPING BITS \$1,500
 - LUMBER \$300
 - SAW BLADES \$1,000
 - HAND TOOLS \$2,000
 - EROSION CONTROL FOR WATER LEAKS \$500
 - TRASH PUMPS \$1,500
 - CUTTING BLADES \$14,000
- 307 MEMBERSHIP FEES
 - AWWA MEMBERSHIP
 - OHA CERTS WATER DIST, TREATMENT 4 SINGLE @140/EACH AND 1 COMBINATION @210/EACH) \$770
 - EXAM FEE REIMBURSEMENT \$1,500
 - CROSS CONNECTION SPECIALIST, TESTER 2 SINGLE @195/EACH AND 2 COMBINATION @305/EACH) \$1,000
- 308 PERIODICALS & SUBSCRIPTIONS
 - WATER DISTRIBUTION & MAINTENANCE MANUALS \$450
- 317 COMPUTER EQUIPMENT
 - IPAD FOR FIELD USE \$559
- 318 COMPUTER SOFTWARE
 - NO APPROPRIATION REQUESTED
- 321 TRAVEL, TRAINING & SUBSISTENCE
 - TRAVEL AND SUBSISTENCE NEEDED TO SUPPORT TRAINING HOTEL AND MEAL EXPENSES \$4,000
 - TRAINING REGISTRATION FEES FOR WATER RECERTS (4 @500/EA) \$2,000
 - TRAINING REGISTRATION FEES FOR CROSS CONNECTION RECERTS TESTERS (2@550 & SPEC 2@255) \$1,610
 - MANAGEMENT TRAINING AWWA (2@500) \$1,000
 - CITYWORKS CONFERENCE \$1,500
 - AWWA MANAGEMENT INST. REG AND ALL EXPENSE FOR TWO \$3,200
 - DEPARTMENTAL PROFESSIONAL DEVELOPMENT \$2,600
- 361 UNIFORMS & SPECIAL CLOTHING
 - SAFETY GEAR AND CLOTHING \$3,500
 - RAINGEAR \$9,000
 - OTHER GEAR \$1,500
- 371 EQUIPMENT OPER & MAINT EXPENSE
- 372 ROLLING STOCK & EQUIPMENT UNDER \$10K
 - DEMOLITION/BREAKER TOOL FOR EXCAVATOR \$9,500
- 413 SERVICE INSTALLATIONS
 - WATER SERVICE INSTALLATIONS 1" & 2" COPPER TUBING & BRASS FITTINGS \$7,500
- 419 CHEMICAL & LABORATORY SUPPLIES
 - VITA DE-CHLOR TABLETS \$9,000
 - CHLORINE TESTING EQUIPMENT AND REAGENTS \$1,200
- 425 DUMPING EXPENSES
 - LANDFILL DEBRIS DISPOSAL \$4,000
 - HAULING ALL DEBRIS DIRECTLY TO RECEIVING FACILITY \$2,000
- 441 LINE MAINTENANCE
 - MAINTENANCE & REPAIR OF WATER MAINS, VALVES, HYDRANTS, BLOWOFFS AND SERVICES \$120,000
 - FIRE HYDRANT REPLACEMENT PROGRAM \$60,000
- 446 METER MAINTENANCE

City of Beaverton - Finance
 Budget Preparation - 2021

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0742 WATER SYSTEM DISTRIBUTION

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
	225,024		248,329		363,062		274,000	277,964		277,964			
448	MANHOLE / PRV VALVE ADJUSTMENTS												
	49,000		116,452		150,000		115,000	60,000		60,000			
461	SPECIAL EXPENSE												
	295		351		1,523		1,500	713		713			
487	WATER METERS FOR NEW DEVELOPMENTS												
										218,000			
511	PROFESSIONAL SERVICES												
	30,063		33,625		111,000		41,000	80,500		80,500			
551	RENTS AND LEASES												
	1,269		131		1,700		1,000	1,700		1,700			
TOTAL CLASS: 10 MATERIALS & SERVICES													
	495,732		625,501		924,210		710,150	757,691		950,691			
CLASS: 15 CAPITAL OUTLAY													
641	VEHICLES												
	747		75,258		429,223		194,223	121,910		316,580			
670	ROLLING STOCK												
					273,364		266,258	436,100		238,500			

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

REPLACE 1,000 5/8" METERS @ \$138.11 EA \$138,110
 REPLACE 5 3" METERS @ \$1,920.14 EACH COMMERCIAL REPLACEMENT \$9,601
 REPLACE 3 VAULTS @ \$3632.38 EA \$10,898
 REPLACE 200 METER BOXES FOR 3/4" AND 1" METERS @ \$172.14 EA \$34,428
 REPLACE 9 1 1/2" METERS @ \$1313.79 EA \$11,824
 REPLACE 10 2" METERS @ \$1515.90 EA \$15,159
 REPLACE 20 1" METERS @ \$197.42 EA \$3,948
 REPLACE 20 METER BOXES FOR 1 1/2" TO 2" METERS @ \$316.37 EA \$6,327
 REPLACE 100 REGISTERS AND ADD REMOTE READ CAPABILITY,\$155 \$15,500
 REPLACE 525 3/4" BRASS METER TAIL PIECES @\$8.77 EA \$4,604
 REPLACE 525 3/4" X 1 BRASS METER BUSHINGS @\$9.49 EA \$4,982
 REPLACE 8 3/4" METER RISERS 12" @\$142.13 \$1,137
 REPLACE 8 1" METER RISERS 12" @\$291.85 \$2,335
 REPLACE 4 1 1/2" METER RISERS 12" @\$1532.36 \$6,129
 REPLACE 4 2" METER RISERS 12" @\$1805.34 \$7,221
 REPLACE 1 6" METER @ \$5760.43 EA \$5,761

448 MANHOLE / PRV VALVE ADJUSTMENTS
 CHARGES FOR ADJUSTING WATER MANHOLES AND VALVES REQUIRED DURING STREET RECONSTRUCTION. \$60,000

461 SPECIAL EXPENSE
 COMMERCIAL DRIVERS LICENSE AND RENEWAL FEES (5 @\$61.50/EA) \$308
 CDL TESTING FEE - 3RD PARTY TESTER (1@\$250/EA & DMV 1@\$155/EA) \$405

487 WATER METERS FOR NEW DEVELOPMENTS
 SOUTH COOPER MOUNTAIN ADJUSTMENT PARTS\$25,000
 METER PURCHASES FOR NEW DEVELOPMENTS \$193,000

511 PROFESSIONAL SERVICES
 TEST AND REPAIR LARGE METERS\$18,500
 CALIBRATION FOR WATER GAUGES & LOCATING EQUIPMENT\$1,500
 6 HOT TAPS @ \$2,500 EACH \$15,000
 UTILITY CUT PAVING\$4,000
 FLAGGERS \$2,000
 12" LINE STOP \$20,000
 SENSUS/FERGUSON METER SUPPORT \$2,500
 OVERHEAD CRANE CERTIFICATION AND TESTING\$17,000

551 RENTS AND LEASES
 MISCELLANEOUS EQUIPMENT RENTAL \$500
 HEAVY EQUIPMENT RENTAL\$1,200

641 VEHICLES
 REPLACEMENT OF 6-620, 2005 FORD F350 WITH LIKE TYPE VEHICLE (COSTS INCLUDE VEHICLE, DUMP BODY, SETUP ITEMS,SAFETY LIGHTING AND LICENSING) \$51,300
 (NOT AVAILBLE AS EV)
 ADDITIONAL VEHICLE- FORD TRANSIT CONNECT CUSTOMER SERVICE VEHICLE (COSTS INCLUDE VEHICLE, SHELIVING, SETUP ITEMS,SAFETY LIGHTING AND LICENSING) \$30,280
 (NOT AVAILBLE AS EV)
 CARRY OVER FROM 19-20: HEAVY DUTY CRANE, LIGHTING, REELS, WATER TANK, GENERATOR, SHELIVING AND LICENSING\$235,000

670 ROLLING STOCK
 ADDITIONAL EQUIPMENT- 2020 908M CATERPILLER LOADER (WILL REMOVE HELDOVER BACKHOE 6-507 COST SPLIT 50% STORM, 25% STREET, 25% WATER \$25,100
 (NOT APPROPRIATE/AVAILABLE AS EV)
 ADDITIONAL EQUIPMENT- 2020 ENCLOSED TRAILER FOR CONCRETE SAW AND TANK (COST INCLUDES TRAILER, SETUP ITEMS, AND LICENSING) \$33,400
 ADDITIONAL EQUIPMENT- 2020 524L JD LARGE LOADER (COST INCLUDES VEHICLES, SETUP ITEMS, AND TITLE)\$180,000
 (NOT APPROPRIATE/AVAILABLE AS EV)

City of Beaverton - Finance
 Budget Preparation - 2021

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0742 WATER SYSTEM DISTRIBUTION

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
671	EQUIPMENT												
	76,902		6,000										
TOTAL CLASS: 15 CAPITAL OUTLAY													
	77,649		81,258		702,587		460,481	558,010		555,080			
CLASS: 25 TRANSFERS													
817	TRSFERS TO GARAGE FUND												
	96,059		83,861		114,284		114,284	109,857		109,857			
TOTAL CLASS: 25 TRANSFERS													
	96,059		83,861		114,284		114,284	109,857		109,857			
TOTAL PROGRAM: 0742 WATER SYSTEM DISTRIBUTION													
	1,666,395	12.75	2,009,502	13.50	3,332,383	13.50	2,761,262	2,928,947	12.50	3,181,571	13.50		

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
DEPT: 85 PUBLIC WORKS - OPERATIONS
PROGRAM: 0742 WATER SYSTEM DISTRIBUTION

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

671 EQUIPMENT
NO APPROPRIATION REQUESTED

817 TRSFERS TO GARAGE FUND
FLEET SERVICES PROVIDED BY THE GARAGE FUND \$109,857

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0743 WATER SYSTEM QUALITY

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 PERSONNEL SERVICES

049	PROG COORDINATOR -PUBLIC WORKS												
	17,568	1.00	74,940	1.00	134,187	2.00	131,445	168,612	2.00	154,146	2.00		
057	PUBLIC WORKS SUPERVISOR												
	24,588	1.00	102,635	1.00	101,512	1.00	99,562	106,030	1.00	95,698	1.00		
112	PUBLIC WORKS MANAGER 3												
	55,673	.50	59,121	.50	61,072	.50	61,186	62,432	.50	62,432	.50		
133	WATER CUSTOMER SERVICE TECH												
			76,997	1.00	23,821		22,156						
162	WATER DISTRIBUTION LEAD												
	89,860	1.00	94,182	1.00	90,077	1.00	89,618	177,897	2.00	159,567	2.00		
178	WATER QUALITY TECHNICIAN 2												
	120,613			1.00	54,502	1.00	14,014	58,721	1.00	58,721	1.00		
299	PAYROLL TAXES AND FRINGES												
	166,954		235,413		287,258		246,541	344,851		343,366			

TOTAL CLASS: 05 PERSONNEL SERVICES

	475,256	3.50	643,288	5.50	752,429	5.50	664,522	918,543	6.50	873,930	6.50		
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CLASS: 10 MATERIALS & SERVICES

301	OFFICE EXPENSE												
	151		122		700		700	700		700			
303	OFFICE FURNITURE & EQUIPMENT												
	1,422		420		1,000		1,000	1,000		1,000			
304	DEPARTMENT EQUIPMENT EXPENSE												
	10,446		34,050		40,000		30,000	40,100		40,100			

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0743 WATER SYSTEM QUALITY

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

- 049 PROG COORDINATOR -PUBLIC WORKS
 FY 2019-20 REFLECTS MID-YEAR RECLASSIFICATION OF 1 FTE WATER CUSTOMER SERVICE TECH TO 1 FTE PROGRAM COORDINATOR - PUBLIC WORKS POSITION.
 FY 2020-21 REFLECTS 80 HRS PTO CASH-IN.
- 057 PUBLIC WORKS SUPERVISOR
 FY 2019-20 REFLECTS 277 HRS PTO CASH-IN AND FY 2020-21 REFLECTS 120 HRS PTO CASH-IN.
- 112 PUBLIC WORKS MANAGER 3
 1 FTE PUBLIC WORKS MANAGER 3 IS ALLOCATED:
 50% 501-85-0743 / 50% 501-85-0742.
 FY 2019-20 REFLECTS 84 HRS PTO CASH-IN AND FY 2020-21 REFLECTS 80 HRS PTO CASH-IN.
- 133 WATER CUSTOMER SERVICE TECH
 FY 18-19 REFLECTS TRANSFER OF 1 FTE WATER CUSTOMER SERVICE TECH POSITION FROM PROGRAM 0742 (WATER SYSTEM DISTRIBUTION) TO PROGRAM 0743 (WATER SYSTEM QUALITY).
 FY 2019-20 REFLECTS MID-YEAR RECLASSIFICATION OF 1 FTE WATER CUSTOMER SERVICE TECH TO 1 FTE PROGRAM COORDINATOR - PUBLIC WORKS POSITION.
- 162 WATER DISTRIBUTION LEAD
 FY 2020-21 REFLECTS 1 FTE WATER DISTR LEAD POSITION TRANSFERRING WITHIN THE WATER FUND FROM PROGRAM 0742 TO 0743.
 FY 2019-20 REFLECTS 335 HRS PTO CASH-IN AND FY 2020-21 REFLECTS 120 HRS PTO CASH-IN.
- 178 WATER QUALITY TECHNICIAN 2
 FY 18-19 REFLECTS A NEW 1 FTE WATER QUALITY TECHNICIAN POSITION.
- 299 PAYROLL TAXES AND FRINGES
 PAYROLL TAXES AND FRINGE BENEFITS EXPRESSED AS A PERCENTAGE OF SALARY TOTALS 58.14% AS A CITY-WIDE AVERAGE AND CONSISTS OF THE FOLLOWING:
 34.14% IN PAYROLL TAXES CONSISTING OF 7.65% FICA, AVERAGE OF 23.22% FOR RETIREMENT CONTRIBUTIONS (28.45% PERS. 19.45% OPSRP GENERAL OR 24.08% OPSRP POLICE), AND 3.27% IN OTHER TAXES (UNEMPLOYMENT, LONG TERM DISABILITY, WORKERS COMPENSATION, PEHP, AND TRIMET)
 24.00% AS THE AVERAGE COST OF MEDICAL, DENTAL, LIFE AND AD&D INSURANCES

- 301 OFFICE EXPENSE
 OFFICE SUPPLIES (7 EMPLOYEES @ \$100 EACH) \$700
- 303 OFFICE FURNITURE & EQUIPMENT
 NEW OR REPLACEMENT OF MISC OFFICE EQUIPMENT FOR OFFICES WORK AREAS \$1,000
- 304 DEPARTMENT EQUIPMENT EXPENSE
 CHLORINE POCKET COLORIMETER REPLACEMENTS (2 @ \$500 EA) \$1,000
 WATER SAMPLING STATIONS 5 @ \$1300 EA) \$6,500
 REPLACEMENT PROBES FOR ON-LINE FLUORIDE ANALYZER 2 @ \$1400 EA) \$2,800
 REPLACEMENT PROBES FOR ON-LINE CHLORINE ANALYZERS 2 @ \$1,200 EA) \$2,400
 ROSEMOUNT CHLORINE ELECTROLYTE/TEFLON MEMBRANES 6 @ \$400 \$2,400
 HACH PH/CONDUCTIVITY PROBE (2 @ \$1000 EA) \$2,000
 REPLACE IN-LINE FLUORIDE ANALYZER \$9,000
 REPLACEMENT OF MUTI-PRO AIR SENSOR (2 @ 2000) \$4,000
 ASR WELL LEVEL INDICATOR 2 @ 1200) \$2,400
 STORAGE SHELVING FOR STORAGE CONTAINERS \$4,000
 FLUORIDE REFERENCE PORBES 6 @ 200 \$1,200
 PRV PRESSURE TRANSMITTERS (2@ 1200) \$2,400

City of Beaverton - Finance
 Budget Preparation - 2021

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0743 WATER SYSTEM QUALITY

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
305	SPECIAL DEPARTMENT SUPPLIES												
	655		3,987		5,000		4,500	11,000		6,000			
307	MEMBERSHIP FEES												
	11,126		12,891		13,541		13,541	30,680		30,680			
308	PERIODICALS & SUBSCRIPTIONS												
			332		420		400	350		350			
317	COMPUTER EQUIPMENT												
			728		1,131		995	1,087		1,087			
318	COMPUTER SOFTWARE												
			8,000										
321	TRAVEL, TRAINING & SUBSISTENCE												
	4,852		7,703		11,990		9,180	14,750		14,750			
341	COMMUNICATIONS EXPENSE												
	33,902		31,536		46,000		46,000	48,000		48,000			
351	UTILITIES EXPENSE												
	261,611		280,074		290,000		290,000	292,000		292,000			
361	UNIFORMS & SPECIAL CLOTHING												
	3,494		1,718		7,200		7,000	8,400		8,400			
381	BUILDING EXPENSE												
	6,429		4,746		20,000		17,500	20,000		20,000			
419	CHEMICAL & LABORATORY SUPPLIES												
	32,870		43,265		66,000		66,000	66,000		66,000			
425	DUMPING EXPENSES												
			513		500		500	500		500			
441	LINE MAINTENANCE												
	32,348		76,146		48,700		48,700	68,000		68,000			
461	SPECIAL EXPENSE												
	54				1,000		1,000	1,400		1,400			

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0743 WATER SYSTEM QUALITY

OBJ	OBJECT DESCRIPTION	JUSTIFICATIONS
305	SPECIAL DEPARTMENT SUPPLIES	TELEMETRY AND PRESSURE GAUGE SUPPLIES -\$3000 \$3,000 TELEMETRY ACCESSORIES AND MANUAL PRESSURE GAUGE SUPPLIES -\$1000 \$1,000 HAND TOOLS, BATTERIES & BUILDING SUPPLIES -\$2000 \$2,000
307	MEMBERSHIP FEES	PNWS - AWWA SUBSECTION AND INDIVIDUAL AWWA MEMBERSHIP (7 @ \$235) \$1,645 OHA DIST TREAT RENEWAL 6 COMBINATION@210) \$1,050 STATE FIRE MARSHALL HAZARDOUS MATERIALS PERMIT SITES @\$3400 EACH \$3,400 LIBRARY FOUNTAIN PERMIT \$350 OREGON ASSOCIATION OF WATER UTILITIES (SUPERVISOR AND4 OPERATORS / \$100 EACH) \$400 PACIFIC NW SECTION AWWA /OREGON WATER UTILITIES COUNCIL\$2,100 OREGON HEALTH AUTHORITY- CROSS CONNECTION SERVICE FEE\$525 OHA SPECIALIST AND TESTER RENEWALS 2 - COMBINATION@\$305 EACH) \$610 HOA DUES FOR 2 LOTS FOR RESERVE AT COOPER MTN ASR\$1,500 OHA ANNUAL FEE (NEW)\$18,000 OREGON ASSOCIATION OF WATER UTILITIES CITY MEMBERSHIP\$1,100
308	PERIODICALS & SUBSCRIPTIONS	WATER QUALITY OPERATION AND MAINTENANCE MANUALS WATER TREATMENT MANUALS AND PERIODICALS ADDRESSING NEWEST EPA REGULATIONS\$350
317	COMPUTER EQUIPMENT	DESKTOP COMPUTER \$730 MONITOR (27 INCH) \$199 BATTERY BACKUP\$158
318	COMPUTER SOFTWARE	NO APPROPRIATION REQUESTED
321	TRAVEL, TRAINING & SUBSISTENCE	MANAGER, SUPERVISOR, LEAD PNWAWWA CONFERENCE-REG, LODGING, TRANS. (ORLANDO FL.)\$4,200 AWWA SHORT SCHOOL TRAINING 6 @ \$250/EACH) \$1,500 AWWA WEBINAR\$1,000 TECHNICAL TRAINING SEMINAR ON INSTRUMENTATION (4 @500) \$2,000 OREGON ASSOCIATION OF WATER UTILITIES CONFERENCE (2@\$320/EACH) \$640 RECERT CROSS CONN SPECIALIST AND TESTER TRAINING (2@\$255/EA & 2@\$550/EA) \$1,610 PNWS-AWWA (2 @\$1900/EACH) - (BOISE IDAHO) \$3,800
341	COMMUNICATIONS EXPENSE	INTERNET CHARGES AND LOCAL EXCHANGE TELEPHONE LINES FOR THE WATER TELEMETRY SYSTEM, \$48,000
351	UTILITIES EXPENSE	ELECTRICAL POWER EXPENSE TO PGE - ASR 1, ASR 2, ASR 4, FOUR PUMP STATIONS, 23 POWERED PRV STATIONS, FLUORIDE STATION. INCLUDES SOLAR PANEL EXPENSES AND REFLECTS ENERGY SAVINGS \$292,000
361	UNIFORMS & SPECIAL CLOTHING	RAIN GEAR AND SAFETY GEAR AND PERSONEL PROTECTION GEAR (7 EMPLOYEES @ \$1,200 EA) \$8,400
381	BUILDING EXPENSE	MISCELLANEOUS EXPENSE FOR WATER SITE BUILDINGS/MAINTENANCE \$20,000
419	CHEMICAL & LABORATORY SUPPLIES	VARIOUS CHEMICALS FOR WATER QUALITY SITES (FLUORIDE, SODIUM HYPOCHLORITE, DE-CLOR,VITA-CLOR,WATER TESTING CHEMICAL AND REAGENTS, ETC.)\$66,000
425	DUMPING EXPENSES	LANDFILL DEBRIS DISPOSAL MISCELLANEOUS PROJECTS \$500
441	LINE MAINTENANCE	CHLORINE AND FLUORIDE INJECTION EQUIPMENT, RESERVOIRS, PUMPS AND PUMPING RELATED ITEMS REPAIRS OR REPLACEMENT \$38,000 PRESSURE REDUCING VALVE REBUILDING KITS AND PILOT REPLACEMENT AND REPAIR\$25,000 BACKFLOW REPLACEMENT PARTS \$5,000
461	SPECIAL EXPENSE	COMMERCIAL DRIVERS LICENSE AND RENEWAL \$200 OPERATOR CERTIFICATION TESTING AND PREP\$1,200

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0743 WATER SYSTEM QUALITY

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
511	PROFESSIONAL SERVICES												
	66,162		103,404		208,500		208,500	212,500		212,500			
536	MAINTENANCE CONTRACTS												
	23,742		26,974		49,500		49,500	53,500		53,500			
551	RENTS AND LEASES												
	648		89		1,000			1,000		1,000			
TOTAL CLASS: 10 MATERIALS & SERVICES													
	489,912		636,698		812,182		795,016	870,967		865,967			
CLASS: 15 CAPITAL OUTLAY													
641	VEHICLES												
			92,162		44,650		44,650	35,500		35,500			
671	EQUIPMENT												
	63,776		92,000		96,600		96,600	108,000		108,000			
TOTAL CLASS: 15 CAPITAL OUTLAY													
	63,776		184,162		141,250		141,250	143,500		143,500			
CLASS: 25 TRANSFERS													
803	TRSFR TO GENERAL FD-LANDSCAPE												
	80,215		83,669		88,269		88,269	89,196		87,150			
804	TRSFR - OPERATIONS ADMIN												
	249,697		314,361		261,881		261,881	320,543		295,393			
805	TRSFR TO G/F BLDG MAINT												
	18,448		20,886		20,972		20,972	21,522		21,522			
808	TRSFRS TO GIS PGRM (TO ISD FUND 2018-19)												
	165,166		179,079		177,216		177,216	186,238		187,127			
817	TRSFRS TO GARAGE FUND												
	16,755		39,344		19,930		19,930	39,926		39,926			
TOTAL CLASS: 25 TRANSFERS													
	530,281		637,339		568,268		568,268	657,425		631,118			
TOTAL PROGRAM: 0743 WATER SYSTEM QUALITY													
	1,559,225	3.50	2,101,487	5.50	2,274,129	5.50	2,169,056	2,590,435	6.50	2,514,515	6.50		
TOTAL DEPARTMENT: 85 PUBLIC WORKS - OPERATIONS													
	8,662,551	16.25	11,246,705	19.00	26,683,935	19.00	16,143,537	25,524,716	19.00	25,575,618	20.00		
TOTAL FUND: 501 WATER FUND													
	13,304,795	21.69	15,942,332	26.88	34,764,597	27.63	22,407,098	33,400,846	27.63	33,481,978	28.63		

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

511 PROFESSIONAL SERVICES

CONTRACTED BACKFLOW TESTING AT MISCELLANEOUS SITES/ INSTALLATION BY PLUMBER\$6,000
 TEST, REPAIR AND REPLACE (METERS, MOTORS, PUMPS, ETC)\$20,000
 CERTIFIED LABORATORY WATER QUALITY TESTING (EPA REGULATION)\$65,000
 TELEMETRY CONTROLLED MAINTENANCE & CALIBRATION\$18,000
 VIBRATION TESTING OF PUMPS AND MOTORS\$2,000
 COVERALL CLEANING \$500
 CALIBRATION FOR WATER GAUGES AND WATER LINE LOCATING EQUIPMENT\$2,000
 TELEMETRY REPAIR / LABOR\$4,000
 OVERFLOW INSPECTION OF WATERLINE PROJECTS \$95,000

536 MAINTENANCE CONTRACTS

ELECTRIC BACK-UP GENERATORS AT WATER SITES, TESTING 5 @ \$1,500) \$7,500
 GENERATOR REPAIR\$4,000
 HACH ON-LINE ANALYZER, MAINTENANCE AND CALIBRATION ON ALL HACH EQUIPMENT\$26,000
 CONTINUED CONTRACT WITH (ECOSCONNECT LLC) BACKFLOW \$16,000

551 RENTS AND LEASES

MISCELLANEOUS EQUIPMENT RENTAL \$1,000

641 VEHICLES

REPLACEMENT OF 2-662, 2007 CHEV COLORADO WITH FORD RANGER 4X4 CREWCAB (COSTS INCLUDE VEHICLE, CANOPY, SETUP ITEMS,SAFETY LIGHTING AND LICENSING) \$35,500
 (NOT AVAILBLE AS EV)

671 EQUIPMENT

DEAD END AUTO FLUSHING STATIONS - 2 @ \$2000 EA) \$4,000
 REPLACE AGING TELEMETRY EQUIPMENT AT4 SITES @ \$26000 EACH \$104,000
 ON-GOING UPGRADES AT 27 SITES -

803 TRSFR TO GENERAL FD-LANDSCAPE

ALLOCATION OF LANDSCAPE MAINTENANCE SERVICES PROVIDED BY THE GENERAL FUND \$87,150

804 TRSFR - OPERATIONS ADMIN

ALLOCATION OF SERVICES PROVIDED BY THE OPERATIONS ADMINISTRATION FUND. \$295,393

805 TRSFR TO G/F BLDG MAINT

ALLOCATION OF BUILDING MAINTENANCE SERVICES PROVIDED BY THE GENERAL FUND \$21,522

808 TRSFRS TO GIS PGRM (TO ISD FUND 2018-19)

ALLOCATION OF GEOGRAPHIC INFORMATION SERVICES \$187,127

817 TRSFRS TO GARAGE FUND

ALLOCATION OF FLEET SERVICES (FUEL AND MAINTENANCE) PROVIDED BY THE GARAGE FUND \$39,926

ESTIMATE - PAYROLL EXPENSE BY DEPARTMENT

Saturday, April 25, 2020 9:06 AM

ACCOUNT	TITLE	FTE	REG HRS	OT HRS	HIL HRS	REG PAY	OT PAY	HIL PAY	ADD PAY	SALARY	FBAMT	TOT AMT
501-72	CAPITAL DEVELOPMNT-ENGINEERING											
501-72-0740-05-046	PRINCIPAL ENGINEER	0.40	990			64,740				64,737	31,690	96,427
501-72-0740-05-068	ENGINEERING ASSOCIATE	1.00	2,096	40		67,801	1,972		270	70,043	25,604	95,647
501-72-0740-05-084	PROJECT ENGINEER 1	2.10	4,271			207,486				207,486	107,992	315,478
501-72-0740-05-123	ENGINEERING TECH 2		220			7,862			796	8,654	5,956	14,610
501-72-0740-05-175	PROJECT ENGINEER 2	2.00	2,694			147,272				147,272	90,224	237,496
501-72-0740-05-221	SUPPORT SPECIALIST 2	0.50	859	10		21,691	371			22,056	16,102	38,158
501-72-0740-05-294	PROJECT SPECIALIST	0.50	831			28,669				28,668	19,266	47,934
	ENTERPRISE MGMT & ADMIN	6.50	11,960	50		545,520	2,343		1,066	548,916	296,834	845,750
	**** DEPARTMENT TOTAL ****	6.50	11,960	50		545,520	2,343		1,066	548,916	296,834	845,750

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PROPOSE - PAYROLL EXPENSE BY DEPARTMENT

Saturday, April 25, 2020 9:07 AM

ACCOUNT	TITLE	FTE	REG HRS	OT HRS	HIL HRS	REG PAY	OT PAY	HIL PAY	ADD PAY	SALARY	FBAMT	TOT AMT
501-72	CAPITAL DEVELOPMNT-ENGINEERING											
501-72-0740-05-046	PRINCIPAL ENGINEER	0.40	835			56,017				56,019	29,958	85,977
501-72-0740-05-068	ENGINEERING ASSOCIATE	1.00	2,088	40		73,031	2,023		270	75,324	32,793	108,117
501-72-0740-05-084	PROJECT ENGINEER 1	2.10	4,351			215,894				215,894	114,543	330,437
501-72-0740-05-175	PROJECT ENGINEER 2	2.00	4,256			230,031				230,031	142,796	372,827
501-72-0740-05-221	SUPPORT SPECIALIST 2	0.50	1,044	20		27,114	761			27,870	24,403	52,273
501-72-0740-05-294	PROJECT SPECIALIST	0.50	1,044			36,999				36,998	25,635	62,633
	ENTERPRISE MGMT & ADMIN	6.50	13,618	60		639,085	2,784		270	642,136	370,128	1,012,264
	**** DEPARTMENT TOTAL ****	6.50	13,618	60		639,085	2,784		270	642,136	370,128	1,012,264

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ESTIMATE - PAYROLL EXPENSE BY DEPARTMENT

ACCOUNT	TITLE	FTE	REG HRS	OT HRS	HIL HRS	REG PAY	OT PAY	HIL PAY	ADD PAY	SALARY	FBAMT	TOT AMT
501-85	PUBLIC WORKS - OPERATIONS											
501-85-0742-05-057	PUBLIC WORKS SUPERVISOR	1.00	2,108	51		88,051	3,089			91,140	57,085	148,225
501-85-0742-05-112	PUBLIC WORKS MANAGER 3	0.50	1,090			61,183				61,180	38,226	99,406
501-85-0742-05-162	WATER DISTRIBUTION LEAD	4.00	6,826	79		232,200	3,657		270	236,127	140,118	376,245
501-85-0742-05-173	WATER DISTRIBUTION TECHNICIAN 1	6.00	11,479	30		307,651	1,623		1,620	310,894	201,964	512,858
501-85-0742-05-209	WATER DISTRIBUTION TECHNICIAN 2	2.00	6,480	167		194,181	7,786		1,350	203,317	136,296	339,613
	WATER SYSTEM DISTRIBUTION	13.50	27,983	327		883,266	16,155		3,240	902,658	573,689	1,476,347
501-85-0743-05-049	PROG COORDINATOR -PUBLIC	2.00	3,770	6		127,894	281		3,270	131,445	67,433	198,878
501-85-0743-05-057	PUBLIC WORKS SUPERVISOR	1.00	2,373			99,562				99,562	53,980	153,542
501-85-0743-05-112	PUBLIC WORKS MANAGER 3	0.50	1,090			61,183				61,186	38,233	99,419
501-85-0743-05-133	WATER CUSTOMER SERVICE TECH		753			21,886			270	22,156	15,318	37,474
501-85-0743-05-162	WATER DISTRIBUTION LEAD	1.00	2,431	55		86,458	2,890		270	89,618	59,188	148,806
501-85-0743-05-178	WATER QUALITY TECHNICIAN 2	1.00	520			14,014				14,014	12,389	26,403
	WATER SYSTEM QUALITY	5.50	10,937	61		410,997	3,171		3,810	417,981	246,541	664,522
	**** DEPARTMENT TOTAL ****	19.00	38,920	388		1,294,263	19,326		7,050	1,320,639	820,230	2,140,869

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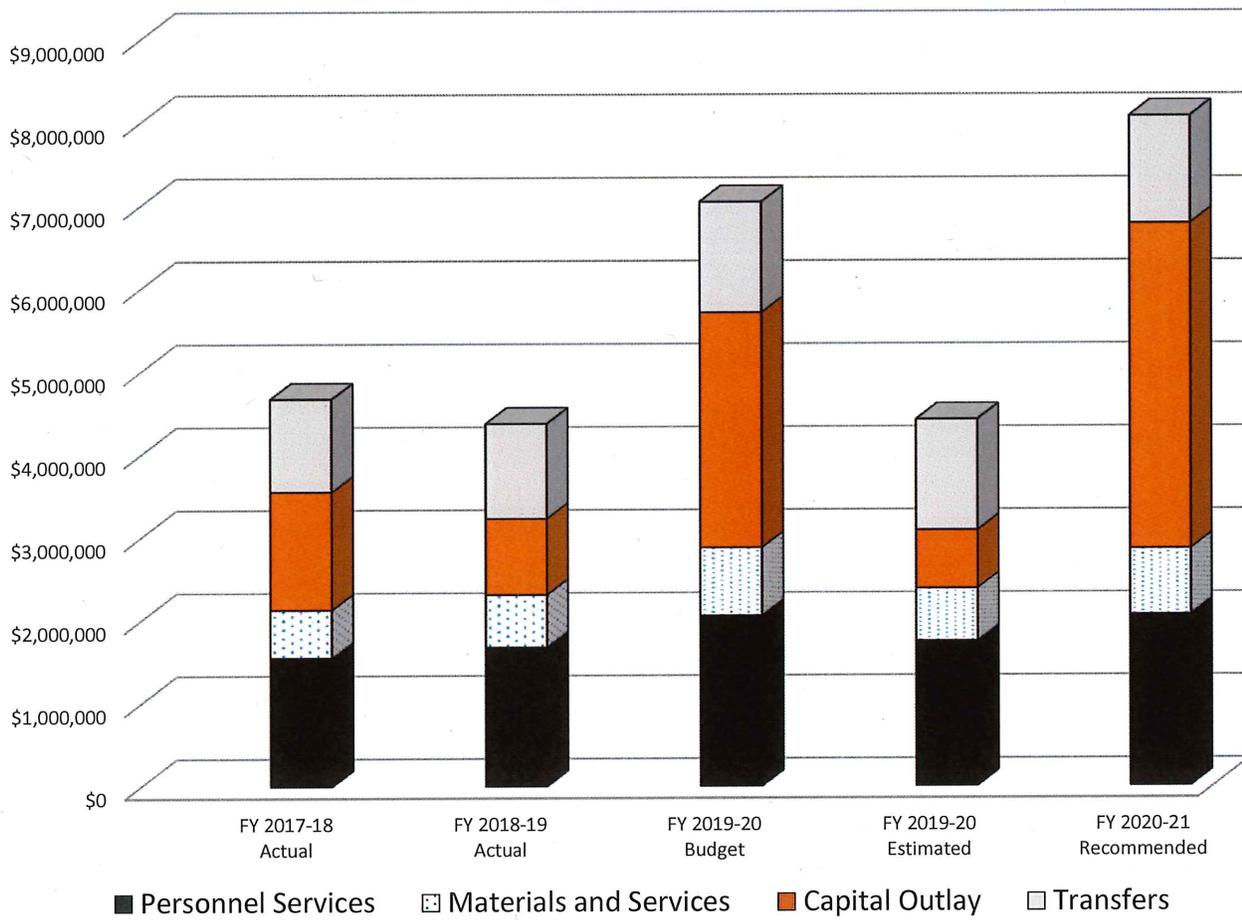
PROPOSE - PAYROLL EXPENSE BY DEPARTMENT

Saturday, April 25, 2020 9:07 AM

ACCOUNT	TITLE	FTE	REG HRS	OT HRS	HIL HRS	REG PAY	OT PAY	HIL PAY	ADD PAY	SALARY	FBAMT	TOT AMT
501-85	PUBLIC WORKS - OPERATIONS											
501-85-0742-05-057	PUBLIC WORKS SUPERVISOR	1.00	2,128	25		91,609	1,614			93,223	60,520	153,743
501-85-0742-05-112	PUBLIC WORKS MANAGER 3	0.50	1,084			62,428				62,424	40,080	102,504
501-85-0742-05-162	WATER DISTRIBUTION LEAD	3.00	6,304	100		228,468	5,304		810	234,582	126,817	361,399
501-85-0742-05-173	WATER DISTRIBUTION TECHNICIAN 1	6.00	12,528	115		359,747	4,905		1,350	366,002	255,228	621,230
501-85-0742-05-209	WATER DISTRIBUTION TECHNICIAN 2	3.00	5,912	112		181,352	5,261		810	187,423	139,644	327,067
	WATER SYSTEM DISTRIBUTION	13.50	27,956	352		923,604	17,084		2,970	943,654	622,289	1,565,943
501-85-0743-05-049	PROG COORDINATOR -PUBLIC	2.00	4,296	6		150,896	310		2,940	154,146	86,479	240,625
501-85-0743-05-057	PUBLIC WORKS SUPERVISOR	1.00	2,208	10		95,053	645			95,698	53,913	149,611
501-85-0743-05-112	PUBLIC WORKS MANAGER 3	0.50	1,084			62,428				62,432	40,085	102,517
501-85-0743-05-162	WATER DISTRIBUTION LEAD	2.00	4,296	45		156,738	2,289		540	159,567	111,637	271,204
501-85-0743-05-178	WATER QUALITY TECHNICIAN 2	1.00	2,088			58,451			270	58,721	51,252	109,973
	WATER SYSTEM QUALITY	6.50	13,972	61		523,566	3,244		3,750	530,564	343,366	873,930
	**** DEPARTMENT TOTAL ****	20.00	41,928	413		1,447,170	20,328		6,720	1,474,218	965,655	2,439,873

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SEWER FUND SUMMARY RECOMMENDED FY 20-21



CITY OF BEAVERTON

BUDGET TREND ANALYSIS - FY 2017-18 TO FY 2020-21

With Explanations on Significant Changes between Budgeted 2019-20 and Recommended 2020-21

Fund:	Sewer - Summary					% Change
CLASS	Actual FY 2017-18	Actual FY 2018-19	Budget FY 2019-20	Estimated FY 2019-20	Recommended FY 2020-21	Budgeted Vs. Recommended
Personnel Services	\$1,549,782	\$1,676,879	\$2,053,656	\$1,745,492	\$2,064,081	0.51%
Materials and Services	581,264	633,771	821,836	637,112	793,245	-3.48%
Capital Outlay	1,422,365	916,588	2,834,000	699,768	3,918,500	38.27%
Transfers	1,120,304	1,146,473	1,331,667	1,335,401	1,292,370	-2.95%
SUB-TOTAL	\$4,673,715	\$4,373,711	\$7,041,159	\$4,417,773	\$8,068,196	
Contingency			2,469,848		2,503,981	
Reserve - SDC			960,214		1,026,206	
Reserve - Ops Facility			65,269		130,461	
Dedicated Surcharges			5,613,667		5,706,623	
Reserve - Equip. Repl			496,439		532,624	
TOTAL	\$4,673,715	\$4,373,711	\$16,646,596	\$4,417,773	\$17,968,091	
FTE's	13.34	14.17	16.47		16.72	

Explanation of item(s) that are significant (10% and greater than \$10,000):

Personnel services:

FY 2020-21 reflects an increase of 0.25 FTE for a Public Works Supervisor. Budget also reflects step increases, COLA increases for SEIU and management at 2.60%. Also reflects medical insurance cost increase of 10% for Kaiser, 5% increase in MODA plans and 0% increase for Dental.

Materials and services:

No significant change

Capital outlay:

FY 2020-21 reflects a \$500,000 increase in budget for the Erickson Trunk Upsizing project. Work was expected to be substantially completed in FY 2019-20, due to delays, construction will not begin until the end of FY 2019-20. Budget also Reflects a \$580,000 increase for the addition two maintenance and replacement projects; \$300,000 Watson & Millikan, \$280,000 ODOT HWY 217 Crossing.

Transfers:

No significant change

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET

FUND: 502 SEWER	SUMMARY FOR SEWER FUND: INCLUDING: CIP PROJECTS, FINANCE, AND PUBLIC WORKS
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MISSION STATEMENT:

To provide a wastewater collection system that functions reliably, is routinely subject to preventive maintenance inspections and repairs, and satisfies all of the requirements of the Clean Water Act and Municipal Code. Provide assistance and recommendations to residents and property owners that experience problems with their private wastewater collection and piping systems. The sanitary sewer system is part of a regional system that relies upon cooperation of Clean Water Services and the other local units of government.

REQUIREMENTS	FY 2017-18 ACTUAL	FY 2018-19 ACTUAL	FY 2019-20 BUDGETED	FY 2020-21 PROPOSED	FY 2020-21 ADOPTED
POSITION	13.34	14.17	16.47	16.72	0.00
PERSONNEL SERVICES	\$1,549,782	\$1,676,879	\$2,053,656	\$2,064,081	\$0
MATERIALS & SERVICES	581,264	633,771	821,836	793,245	0
CAPITAL OUTLAY	1,422,365	916,588	2,834,000	3,918,500	0
TRANSFERS	1,120,304	1,146,473	1,331,667	1,292,370	0
CONTINGENCY	0	0	9,605,437	9,899,895	0
TOTAL	\$4,673,715	\$4,373,711	\$16,646,596	\$17,968,091	\$0

Funding Sources:	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2020-21
Beginning Working Capital	\$8,995,209	\$9,015,970	\$9,652,296	\$10,514,591	\$0
Permits & Fees	112,509	94,241	125,000	125,000	0
Sewer Service Fees	4,098,239	4,360,152	4,285,000	4,265,000	0
Intergovernmental Revenue	0	0	2,211,000	2,710,000	0
Miscellaneous Revenues	483,725	555,643	373,300	353,500	0

Sewer Projects:	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2020-21
3811 Sewer Collection System	\$190,745	\$178,965	\$2,211,000	\$2,710,000	\$0
3812 So. Cooper Mtn Sewer Infra. Proj	378,008	128,347	0	0	0
3813 Area 6B Cooper Mtn Sewer Proj.	0	0	100,000	62,000	0
3850 Maintenance & Replacement	307,221	270,040	488,000	1,090,000	0
	\$875,974	\$577,352	\$2,799,000	\$3,862,000	\$0

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET
CURRENT LEVEL OF SERVICES

FUND: 502 SEWER	DEPARTMENT: PUBLIC WORKS
PROGRAM: 0740 ENTERPRISE MANAGEMENT & ADMIN.	PROGRAM MANAGER: DAVID WINSHIP

Program Goal:

Prepare, manage, interpret, and implement the City's sanitary sewer infrastructure master plan and the Capital Improvements Plan/Program (CIP). Preparation and implementation of the CIP includes activities such as problem identification, engineering planning and design, scheduling and budgeting. This program provides expertise and policy recommendations regarding intergovernmental agreements with Clean Water Services (CWS) and other sanitary sewer/wastewater agencies.

REQUIREMENTS	FY 2017-18 ACTUAL	FY 2018-19 ACTUAL	FY 2019-20 BUDGETED	FY 2020-21 PROPOSED	FY 2020-21 ADOPTED
POSITION	2.94	3.44	4.19	4.19	0.00
PERSONNEL SERVICES	\$453,871	\$482,174	\$668,692	\$599,743	\$0
MATERIALS & SERVICES	47,295	34,308	122,488	111,205	0
CAPITAL OUTLAY					
TRANSFERS	61,027	26,721	18,640	15,273	0
TOTAL	\$562,193	\$543,203	\$809,820	\$726,221	\$0

Program Objective: Overall responsibility for management and implementation of the multi-year Capital Improvements Plan (CIP), including administration of the Sewer Fund budget, and coordination with Clean Water Services (CWS). Other key objectives include:

- Manage, interpret, and implement the City's sanitary sewer master plan, and prepare the annual update of sewer projects in the CIP.
- Manage the sewer surcharge program that funds the annual capital improvements projects related to sanitary sewer infrastructure that needs rehabilitation or replacement.
- Collaborate with CWS staff and other co-implementer cities on the regional sanitary sewer master plan. Provide expertise regarding the intergovernmental agreements with CWS. Represent the City at the monthly CWS Co-implementer and CIP Coordination meetings.
- Collaborate with City GIS staff and the Public Works Operations division on managing the City's sewer asset database. Support the Operations Division of Public Works in administering the sewer utility locates program and the yearly reporting to CWS.
- Provide expertise on regional and City design standards to the City's Public Works Department and the Site Development Division of CDD. Review all development projects for compliance to design standards and to ensure development improvements work within the existing sanitary sewer system.

Progress on FY 2019-20 Action Plan:

Master Plan Updates

An update of the Sewer Master Plan (CIP No. 6000) for the entire City to evaluate system needs and requirements into the near future with project verification and identification was finalized and adopted by the City Council. In addition, an update to the South Cooper Mountain Sewer Master Plan (CIP No. 6083) was completed and used to provide direction to developers on sewer line sizing and alignments within South Cooper Mountain. City staff have begun the Cooper Mountain Utility Master Plan (CIP No. 4154), which includes conceptual engineering and analysis to determine what infrastructure will be needed to support development in the expansion area, including Urban Reserve6B. The Cooper Mountain Utility Master Plan will support the Cooper Mountain Community Plan, which was launched by the Community Development Department. City staff is assisting Clean Water Services with their update to the East Basin Facility Master Plan (Durham Treatment Facility).

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET
CURRENT LEVEL OF SERVICES

FUND: 502 SEWER	DEPARTMENT: PUBLIC WORKS
PROGRAM: 0740 ENTERPRISE MANAGEMENT & ADMIN.	PROGRAM MANAGER: DAVID WINSHIP

FY 2020-21 Action Plan:

Cooper Mountain Utility Master Plan

Continue analysis of the expansion area and continue work on the Cooper Mountain Utility Master Plan.

Sanitary Sewer Service Development Charge (SDC) and Rate Study

Complete an evaluation of the current sewer SDCs and rates to determine if an increase is needed in order to fund future sanitary sewer infrastructure improvements and rehabilitations identified in the 2019 Sewer Master Plan update.

Erickson Trunk Sewer Project

Design on the Erickson Trunk Sewer Project will be finalized in FY2019-20 and construction will begin in FY2020-21. The sewer upsizing is being funded by Clean Water Services and managed by City engineering staff.

Capital Improvements Plan

Public Works Department Engineering and Operations Division staff will develop a 10-20 year rehabilitation and replacement plan based on the priorities and recommendations in the 2019 Sewer Master Plan update. A list of sanitary sewer projects proposed in FY 2020-21 is provided on the City's website at this link: <https://apps2.beavertonoregon.gov/secure/publicworks/CIP/>

Performance Measures:	FY 2017-18 Actual	FY 2018-19 Actual	FY 2019-20 Budgeted	FY 2020-21 Proposed
Number of miles of sanitary sewer collection system (86% 8 inch dia., 17% 12 to 21 inch)	275.6	276.5	277.5	278.5
Number of sanitary sewer customer accounts served by the City of Beaverton	22,925	23,145	23,370	23,457
Number of miles of public sewer mainlines (6" and greater) replaced or structurally rehabilitated	0.7	0.6	0.02	1.0

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET
CURRENT LEVEL OF SERVICES

FUND: 502 SEWER	DEPARTMENT: PUBLIC WORKS
PROGRAM: 0753 SEWER SYSTEM MAINTENANCE	PROGRAM MANAGER: JESSE WILSON

Program Goal:

To provide a wastewater collection system that provides a safe and reliable conveyance mechanism for wastewater materials. Complete annual inspections of public wastewater lines to satisfy the requirements of the Clean Water Act. Eliminate wastewater system blockages and overflows by routinely inspecting known problem areas of the lines and by actively managing a program to eliminate the discharge of Fats, Oils and Greases (FOG) into the city's wastewater system.

REQUIREMENTS	FY 2017-18 ACTUAL	FY 2018-19 ACTUAL	FY 2019-20 BUDGETED	FY 2020-21 PROPOSED	FY 2020-21 ADOPTED
POSITION	6.60	6.50	7.50	7.50	0.00
PERSONNEL SERVICES	\$734,631	\$774,199	\$880,300	\$895,941	\$0
MATERIALS & SERVICES	275,933	278,086	313,468	294,745	0
CAPITAL OUTLAY	469,489	329,247	35,000	56,500	0
TRANSFERS	1,019,422	1,099,219	1,175,444	1,251,769	0
CONTINGENCY	0	0	9,605,437	9,899,895	0
TOTAL	\$2,499,475	\$2,480,751	\$12,009,649	\$12,398,850	\$0

This budget document reflects data reported to Clean Water Services (CWS) and the Department of Environmental Quality (DEQ). Key maintenance activities include cleaning the sanitary sewer collection system with high velocity water pressure, video scanning the trunk lines closed circuit cameras, removing roots through chemical treatment and cutting, assisting citizens with specific problems, and tracking and maintaining data on an asset management system.

SEWER INVENTORY SUMMARY

	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21
Linear Feet of Sewer Pipe	1,454,335	1,454,421	1,458,115	1,457,368
Number of Manholes	7,768	7,779	7,813	7,821
Number of Clean-outs	461	461	462	469

Program Objectives:	FY 2017-18 Actual	FY 2018-19 Actual	FY 2019-20 Budgeted/Revised	FY 2020-21 Proposed
Routine Line Cleaning: Clean & remove debris from the sanitary sewer system every 4 years - linear feet (LF)	363,585	364,529	364,529 / 363,627	364,342
Non-Routine Line Cleaning: Lines that require more frequent cleaning. (roots, flat grade, FOG) - LF	80,000	80,000	80,000 / 80,000	80,000
Video Inspection: Inspection of the sanitary sewer system every 8 years. - LF	181,795	182,264	182,264 / 182,130	182,171
Stream Corridor Surface inspections: Inspect bi-annually manholes (MH) that are off the street, along waterways or with limited access.	251	254	254 / 254	254

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET
CURRENT LEVEL OF SERVICES

FUND: 502 SEWER	DEPARTMENT: PUBLIC WORKS
PROGRAM: 0753 SEWER SYSTEM MAINTENANCE	PROGRAM MANAGER: JESSE WILSON

FY 2020-21 Action Plan:

The Sewer Maintenance section will continue to attend several events (Public Works Week, Picnic at the Parks, Big Truck Day) with heavy equipment and employees will engage with residents and educate them on operation activities. Staff will develop new and updated educational material to provide to the public.

Performance Measures:	FY 2017-18 Actual	FY 2018-19 Actual	FY 2019-20 Budgeted/Revised	FY 2020-21 Proposed
Total footage of sanitary system pipe cleaned per quarter - lineal feet (LF)	91,000	100,000	110,000 / 91,000	92,000
Percent of sanitary system pipe cleaned annually	31%	31%	31% / 31%	31%
Total footage of sanitary system pipe inspected per quarter - LF	47,300	48,066	48,066 / 45,532	46,600
Percent of sanitary system pipe inspected annually	12.5%	12.5%	12.5%	12.5%
Total number of Stream Corridor Surface inspections	133 MH	127 MH	127 MH	127 MH

Performance Outcomes and Program Trends:

Under the National Pollutant Discharge Elimination System (NPDES) permit issued to CWS, the city is obligated by an inter-governmental agreement to clean the entire sanitary sewer system within its corporate boundaries a minimum of every four years and problem lines as necessary. The city must also do video inspections of the system every eight years, utilizing the current nationally recognized pipe scoring system.

Ultimately, the goal is to operate the collection system without having any sewer overflows. In order to eliminate grease related blockages and the maintenance costs associated with grease problems, a FOG program has now been active for more than eight years. The sewer staff contact apartment owners and other businesses as needed in areas with known FOG problems to establish the most effective maintenance frequency for their grease removal device.

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET
CURRENT LEVEL OF SERVICES

FUND: 502 SEWER	DEPARTMENT: PUBLIC WORKS
PROGRAM: 0757 SEWER CONSTRUCTION	PROGRAM MANAGER: MARK OLSON

Program Goal:

Improve the city’s sanitary sewer infrastructure with a cost-effective repair program including line repair, manhole repair and replacement, correction of chronic system problems and other related construction activities. These projects promote city-wide beautification through replacement of deficient underground infrastructure which enhances reliability and reduces sewage overflows.

REQUIREMENTS	FY 2017-18 ACTUAL	FY 2018-19 ACTUAL	FY 2019-20 BUDGETED	FY 2020-21 PROPOSED	FY 2020-21 ADOPTED
POSITION	2.17	2.17	2.67	2.92	0.00
PERSONNEL SERVICES	\$223,122	\$233,223	\$297,688	\$344,769	\$0
MATERIALS & SERVICES	58,059	108,418	146,750	121,300	0
CAPITAL OUTLAY	76,902	9,989	0	0	0
TRANSFERS	38,517	18,627	135,932	23,006	0
TOTAL	\$396,600	\$370,257	\$580,370	\$489,075	\$0

Program Objectives:

Perform structural repairs to improve performance of the sanitary sewer system and to maintain system integrity. Such activities are an essential element in achieving a reliable and compliant underground infrastructure. *Continue to work with CWS by applying their guidelines to our service levels* (Community Partners).

Progress on FY 2019-20 Action Plan:

The construction crew continued to repair and replace deficiencies found through maintenance activities to existing infrastructure and complete rehabilitation projects identified by maintenance video inspection and the engineering division. Work is prioritized to complete work needed in advance of residential and arterial overlays.

FY 2020-21 Action Plan:

- Work with engineering to update a 5 year plan for pipe and structural repairs identified by maintenance and the Sewer Master Plan
- Assist in responding to sanitary sewer overflows as needed.
- Complete underground repairs required prior to 20/21 inhouse overlay program.

Performance Measures:

	FY 2017-18 Actual	FY 2018-19 Actual	FY 2019-20 Budgeted/Revised	FY 2020-21 Proposed
Repairs to existing sewer lines	4	4	3 / 5	4
Rehabilitation project structures	5	4	5 / 4	5
Number of structure repairs per year	32	40	40 / 30	30

Performance Outcomes and Program Trends:

This program involves routine construction to rehabilitate, repair, and replace deficient or failing pipes and structures. Perform maintenance repairs as recommended by sewer maintenance video inspection. Perform small projects as identified.

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 502 SEWER FUND

DEPT: 03 REVENUE

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 BEGINNING WORKING CAPITAL

301 BEGINNING WORKING CAPITAL

	-8,995,209		-9,015,970		-9,652,296		-9,652,296	-9,652,296	-10,496,895		-10,514,591			
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TOTAL CLASS: 05 BEGINNING WORKING CAPITAL

	-8,995,209		-9,015,970		-9,652,296		-9,652,296	-9,652,296	-10,496,895		-10,514,591			
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CLASS: 15 INTERGOVERNMENTAL REVENUE

329 OTHER INTERGOVERNMENTAL REV

					-2,211,000		-83,218	-493,800	-2,000,000		-2,710,000			
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TOTAL CLASS: 15 INTERGOVERNMENTAL REVENUE

					-2,211,000		-83,218	-493,800	-2,000,000		-2,710,000			
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CLASS: 20 PERMITS & FEES

357 SEWER CONNECTION FEES

	-112,509		-94,241		-125,000		-147,899	-125,000	-125,000		-125,000			
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TOTAL CLASS: 20 PERMITS & FEES

	-112,509		-94,241		-125,000		-147,899	-125,000	-125,000		-125,000			
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CLASS: 25 SERVICE FEES

363 SEWER SERVICE SALES

	-2,861,258		-3,018,652		-3,035,000		-3,178,332	-3,040,000	-3,100,000		-3,045,000			
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367 UTILITY SURCHARGE

	-1,266,017		-1,370,287		-1,300,000		-955,402	-1,270,000	-1,275,000		-1,270,000			
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369 UTILITY SALES ALLOWANCES

	29,036		28,787		50,000		11,736	50,000	50,000		50,000			
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TOTAL CLASS: 25 SERVICE FEES

	-4,098,239		-4,360,152		-4,285,000		-4,121,998	-4,260,000	-4,325,000		-4,265,000			
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CLASS: 35 MISCELLANEOUS REVENUES

382 SALE OF CITY OR BURA PROPERTY

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 502 SEWER FUND

DEPT: 03 REVENUE

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
	-29,743		-35,550				-27,968	-27,968						
384	INVESTMENT INTEREST EARNINGS													
	-196,658		-261,588		-265,300		-207,232	-265,300	-279,300		-195,500			
389	MISCELLANEOUS REVENUES													
	-67,171		-35											
394	MISC INTEREST EARNINGS													
	-26,091		-29,234		-28,000			-28,000	-28,000		-28,000			
398	SRVS PROVIDED TO OTHER FUNDS													
	-159,122		-133,941		-80,000		-92,054	-80,000	-130,000		-130,000			
399	REIMBURSEMENTS - OTHER													
	-171		-91,078											
757	MED/LIFE INS PREM REFUND DISTRIBUTION													
	-4,769		-4,217											
TOTAL CLASS: 35 MISCELLANEOUS REVENUES														
	-483,725		-555,643		-373,300		-327,254	-401,268	-437,300		-353,500			
TOTAL DEPARTMENT: 03 REVENUE														
	-13,689,682		-14,026,006		-16,646,596		-14,332,665	-14,932,364	-17,384,195		-17,968,091			

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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 502 SEWER FUND

DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 PERSONNEL SERVICES

046	PRINCIPAL ENGINEER													
	33,165	.25	35,062	.25	36,215	.25	36,437	40,463	35,010	.25	35,010	.25		
051	CITY ENGINEER													
	42,876	.34	45,084	.34	46,588	.34	45,062	36,905	41,469	.34	41,469	.34		
068	ENGINEERING ASSOCIATE													
			2,119	.50	79,689	1.00	36,919	50,461	73,785	1.00	73,785	1.00		
084	PROJECT ENGINEER 1													
	199,799	2.10	206,748	2.10	214,071	2.10	142,765	163,056	198,374	2.10	196,704	2.10		
123	ENGINEERING TECH 2													
					3,853		4,329	4,330						
221	SUPPORT SPECIALIST 2													
	11,860	.25	12,686	.25	14,017	.25	8,191	11,033	13,939	.25	13,939	.25		
294	PROJECT SPECIALIST													
					14,222	.25	10,362	14,335	18,500	.25	18,500	.25		
299	PAYROLL TAXES AND FRINGES													
	166,171		180,475		260,037		137,735	177,209	221,348		220,336			

TOTAL CLASS: 05 PERSONNEL SERVICES

	453,871	2.94	482,174	3.44	668,692	4.19	421,800	497,792	602,425	4.19	599,743	4.19		
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CLASS: 10 MATERIALS & SERVICES

303	OFFICE FURNITURE & EQUIPMENT													
									1,000		1,000			
305	SPECIAL DEPARTMENT SUPPLIES													
	100		214		400		39	400	400		400			
307	MEMBERSHIP FEES													
	160		380		1,375		99	1,300	1,705		1,705			
317	COMPUTER EQUIPMENT													
			951				950							
318	COMPUTER SOFTWARE													

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 502 SEWER FUND

DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
	2,000													
321	TRAVEL, TRAINING & SUBSISTENCE													
	3,464		3,547		10,063		2,171	2,171	7,300		7,300			
330	MILEAGE REIMBURSEMENT													
	12				200			200	200		200			
361	UNIFORMS & SPECIAL CLOTHING													
	448		278		450		129	450	600		600			
511	PROFESSIONAL SERVICES													
	41,111		28,938		110,000		21,018	50,000	100,000		100,000			
TOTAL CLASS: 10 MATERIALS & SERVICES														
	47,295		34,308		122,488		24,406	54,521	111,205		111,205			
308	CLASS: 25 TRANSFERS													
816	TRSFERS TO REPROGRAPHICS FUND													
	817		812		550		534	550	1,161		1,161			
835	TRSFER TO GF, BVTN BLDG OPERATIONS													
	25,834		12,917		10,229		8,524	10,229	14,112		14,112			
836	TRSFER TO GF, BVTN BLDG DEBT SVC													
	34,376		12,992		7,861		6,551	11,595	3,734					
TOTAL CLASS: 25 TRANSFERS														
	61,027		26,721		18,640		15,609	22,374	19,007		15,273			
TOTAL DEPARTMENT: 72 CAPITAL DEVELOPMNT-ENGINEERING														
	562,193	2.94	543,203	3.44	809,820	4.19	461,815	574,687	732,637	4.19	726,221	4.19		

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 502 SEWER FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 PERSONNEL SERVICES

049 PROG COORDINATOR -PUBLIC WORKS

		1.00	59,918	1.00	77,089	1.00	57,912	71,466	78,140	1.00	76,394	1.00		
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057 PUBLIC WORKS SUPERVISOR

	39,308	.50	37,558	.50	36,097	.50	27,852	35,757	38,358	.50	55,538	.75		
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112 PUBLIC WORKS MANAGER 3

	86,014	.83	120,465	.83	86,307	.83	67,724	85,979	92,640	.83	92,640	.83		
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170 PUBLIC WORKS LEAD

	50,771	.84	52,481	.84	88,722	1.34	49,299	70,719	101,169	1.34	101,169	1.34		
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176 PUBLIC WORKS EQUIPMNT OPERATOR

	168,479	2.50	153,778	2.50	171,459	2.50	140,786	169,947	175,822	2.50	174,281	2.50		
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177 PUBLIC WORKS TECHNICIAN

	152,060	3.00	160,403	3.00	209,174	4.00	129,734	176,116	229,665	4.00	227,074	4.00		
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188 INVENTORY CONTROL TECHNICIAN

	6,329	.10												
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274 SEASONAL WORKFORCE

	13,974		22,427		33,000		13,840	12,456						
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275 TEMPORARY EMPLOYEES

	45,897		10,576											
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299 PAYROLL TAXES AND FRINGES

	394,921		389,816		476,140		322,691	416,059	499,944		513,614			
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TOTAL CLASS: 05 PERSONNEL SERVICES

	957,753	8.77	1,007,422	8.67	1,177,988	10.17	809,838	1,038,499	1,215,738	10.17	1,240,710	10.42		
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CLASS: 10 MATERIALS & SERVICES

303 OFFICE FURNITURE & EQUIPMENT

	2,948		1,028		900		459	400	1,000		1,000			
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304 DEPARTMENT EQUIPMENT EXPENSE

	9,772		3,231		10,000		4,710	6,500	9,000		9,000			
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305 SPECIAL DEPARTMENT SUPPLIES

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 502 SEWER FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
	24,776		26,603		23,717		20,681	22,000	24,800		24,800			
307	MEMBERSHIP FEES													
	270				320		320	160	320		320			
317	COMPUTER EQUIPMENT													
			2,735		1,083		703	703						
318	COMPUTER SOFTWARE													
	1,480													
321	TRAVEL, TRAINING & SUBSISTENCE													
	7,279		5,509		12,463		4,424	7,319	10,725		10,725			
351	UTILITIES EXPENSE													
	8													
361	UNIFORMS & SPECIAL CLOTHING													
	5,174		4,382		5,610		4,632	5,550	6,800		6,800			
419	CHEMICAL & LABORATORY SUPPLIES													
	1,975		197		2,000			500	1,000		1,000			
425	DUMPING EXPENSES													
	1,436		2,660		2,000			1,200	2,000		2,000			
434	CONSTRUCTION MATERIALS													
	1,060		752		20,000			5,000	15,000		10,000			
461	SPECIAL EXPENSE													
			72		125		66	125	400		400			
511	PROFESSIONAL SERVICES													
	81,270		138,500		159,000		108,634	108,900	142,000		142,000			
512	CITY RIGHT OF WAY FEES													
	194,006		200,573		220,000		156,624	205,000	210,000		205,000			
551	RENTS AND LEASES													
	2,538		262		3,000			1,000	3,000		3,000			
TOTAL CLASS: 10 MATERIALS & SERVICES														
	333,992		386,504		460,218		301,253	364,357	426,045		416,045			

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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 502 SEWER FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 15 CAPITAL OUTLAY

641 VEHICLES

			308,907				5,400	5,400	31,500		31,500			
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671 EQUIPMENT

	546,391		30,329		35,000		35,568	35,568	25,000		25,000			
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TOTAL CLASS: 15 CAPITAL OUTLAY

	546,391		339,236		35,000		40,968	40,968	56,500		56,500			
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CLASS: 25 TRANSFERS

801 TRSFR TO GENERAL FD - OVERHEAD

	222,162		241,331		261,176		217,647	261,176	299,618		299,618			
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802 TRSFR TO GENERAL FD-ACCOUNTING

	28,616		62,355		79,528		66,273	79,528	58,917		58,917			
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803 TRSFR TO GENERAL FD-LANDSCAPE

	16,043		16,734		17,654		14,712	17,654	17,839		17,430			
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804 TRSFR - OPERATIONS ADMIN

	134,074		145,641		140,175		116,813	140,175	171,575		153,900			
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805 TRSFR TO G/F BLDG MAINT

	9,471		8,199		8,457		7,048	8,457	8,008		8,008			
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808 TRSFRS TO GIS PGRM (TO ISD FUND 2018-19)

	97,453		105,662		104,563		87,136	104,563	109,886		110,410			
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817 TRSFRS TO GARAGE FUND

	123,957		156,271		147,652		73,324	147,652	169,641		169,641			
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818 TRSFRS TO ISD-ALLOCATED

	184,126		217,016		256,500		213,750	256,500	245,610		251,180			
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819 TRSFRS TO INSURANCE FUND

	164,637		164,637		205,671		171,393	205,671	205,671		205,671			
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829 TRSFRS TO STORM DRAIN FUND

					90,000			90,000						
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840 TRSFR TO INSURANCE FUND, WC

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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 502 SEWER FUND DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
	77,400													
TOTAL CLASS: 25 TRANSFERS														
	1,057,939		1,117,846		1,311,376		968,096	1,311,376	1,286,765		1,274,775			
CLASS: 30 FUND BAL/CONTINGENCY/RESERVES														
972 RESERVE - OPERATIONS FACILITY REPLACMT														
					65,269				130,461		130,461			
986 RSRV - DEDICATED SURCHG, CIP 3850 & 3950														
					5,613,667				6,230,329		5,706,623			
991 CONTINGENCY - UNRESERVED														
					2,469,848				2,085,185		2,503,981			
994 RESERVE - WTR AND SEWER (CIP 3811) SDC														
					960,214				383,966		1,026,206			
996 RESERVE - EQUIPMENT REPLACMT														
					496,439				532,624		532,624			
TOTAL CLASS: 30 FUND BAL/CONTINGENCY/RESERVES														
					9,605,437				9,362,565		9,899,895			
TOTAL DEPARTMENT: 85 PUBLIC WORKS - OPERATIONS														
	2,896,075	8.77	2,851,008	8.67	12,590,019	10.17	2,120,155	2,755,200	12,347,613	10.17	12,887,925	10.42		

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**SEWER FUND - PUBLIC WORKS
FY 2019-20 ADOPTED**

Code	Position Title	Actual FY 18-19	Adopted FY 19-20	New	Transfer	Reclass	Deleted	Ending FY 19-20
46	PRINCIPAL ENGINEER	0.25	0.25					0.25
49	PROG COORDINATOR -PUBLIC WORKS	1.00	1.00					1.00
51	CITY ENGINEER	0.34	0.34					0.34
57	PUBLIC WORKS SUPERVISOR	0.50	0.50					0.50
68	ENGINEERING ASSOCIATE	0.50	1.00					1.00
84	PROJECT ENGINEER 1	2.10	2.10					2.10
112	PUBLIC WORKS MANAGER 3	0.83	0.83					0.83
170	PUBLIC WORKS LEAD	0.84	1.34					1.34
176	PUBLIC WORKS EQUIPMNT OPERATOR	2.50	2.50					2.50
177	PUBLIC WORKS TECHNICIAN	3.00	4.00					4.00
221	SUPPORT SPECIALIST 2	0.25	0.25					0.25
294	PROJECT SPECIALIST	0.00	0.25					0.25
	Total	12.11	14.36	0.00	0.00	0.00	0.00	14.36

FY 2020-21 PROPOSED

Code	Position Title	Ending FY 19-20	New	Transfer	Reclass	Deleted	Proposed FY 20-21
46	PRINCIPAL ENGINEER	0.25					0.25
49	PROG COORDINATOR -PUBLIC WORKS	1.00					1.00
51	CITY ENGINEER	0.34					0.34
57	PUBLIC WORKS SUPERVISOR	0.50	0.25 ^a				0.75
68	ENGINEERING ASSOCIATE	1.00					1.00
84	PROJECT ENGINEER 1	2.10					2.10
112	PUBLIC WORKS MANAGER 3	0.83					0.83
170	PUBLIC WORKS LEAD	1.34					1.34
176	PUBLIC WORKS EQUIPMNT OPERATOR	2.50					2.50
177	PUBLIC WORKS TECHNICIAN	4.00					4.00
221	SUPPORT SPECIALIST 2	0.25					0.25
294	PROJECT SPECIALIST	0.25					0.25
	Total	14.36	0.25	0.00	0.00	0.00	14.61

^a FY 2020-21 proposes a new 1 FTE Public Works Supervisor position allocated 50% in Street Fund - Street Maintenance program, 25% in Sewer Fund - Sewer System Maintenance program, and 25% in Storm Drain Fund - Storm Drain Maintenance program.

BP WORKSHEET & JUSTIFICATION

FUND: 502 SEWER FUND
 DEPT: 03 REVENUE
 PROGRAM: 0000 UNRESTRICTED

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 BEGINNING WORKING CAPITAL

301	BEGINNING WORKING CAPITAL												
		8,995,209	9,015,970		9,652,296		9,652,296	10,496,895		10,514,591			

TOTAL CLASS: 05 BEGINNING WORKING CAPITAL

		8,995,209	9,015,970		9,652,296		9,652,296	10,496,895		10,514,591			
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CLASS: 15 INTERGOVERNMENTAL REVENUE

329	OTHER INTERGOVERNMENTAL REV												
					2,211,000		493,800	2,000,000		2,710,000			

TOTAL CLASS: 15 INTERGOVERNMENTAL REVENUE

					2,211,000		493,800	2,000,000		2,710,000			
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CLASS: 20 PERMITS & FEES

357	SEWER CONNECTION FEES												
		112,509	94,241		125,000		125,000	125,000		125,000			

TOTAL CLASS: 20 PERMITS & FEES

		112,509	94,241		125,000		125,000	125,000		125,000			
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CLASS: 25 SERVICE FEES

363	SEWER SERVICE SALES												
		2,861,258	3,018,652		3,035,000		3,040,000	3,100,000		3,045,000			

367	UTILITY SURCHARGE												
		1,266,017	1,370,287		1,300,000		1,270,000	1,275,000		1,270,000			

369	UTILITY SALES ALLOWANCES												
		-29,036	-28,787		-50,000		-50,000	-50,000		-50,000			

TOTAL CLASS: 25 SERVICE FEES

		4,098,239	4,360,152		4,285,000		4,260,000	4,325,000		4,265,000			
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CLASS: 35 MISCELLANEOUS REVENUES

382	SALE OF CITY OR BURA PROPERTY												
		29,743	35,550				27,968						

384	INVESTMENT INTEREST EARNINGS												
		196,658	261,588		265,300		265,300	279,300		195,500			

BP WORKSHEET & JUSTIFICATION

FUND: 502 SEWER FUND
 DEPT: 03 REVENUE
 PROGRAM: 0000 UNRESTRICTED

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

301 BEGINNING WORKING CAPITAL

329 OTHER INTERGOVERNMENTAL REV

FY 2019-20 FROM CWS
 6006 ERICKSON TRUNK UPSIZING PROJECT BUDGETED \$2,211,000 ESTIMATED \$493,800
 FY 2020-21 FROM CWS:
 6006 ERIKSON TRUNK UPSIZING PROJECT (6TH ST - 10TH ST) \$2,710,000

357 SEWER CONNECTION FEES

SDC'S COLLECTED AND SPLIT WITH CLEAN WATER SERVICES (CWS)96% AND CITIES 4%
 FY 16-17 DATA IS BASED UPON 19 SINGLE FAMILY RESIDENTIAL UNITS, 350 MULTI FAMILY
 FAMILY UNITS AND 12 NEW COMMERCIAL BUILDINGS
 FY 17-18 DATA IS BASED UPON 64 SINGLE FAMILY RESIDENTIAL UNITS, 230 MULTI FAMILY
 FAMILY UNITS AND 12 NEW COMMERCIAL BUILDINGS
 FY 18-19 ESTIMATED IS BASED UPON 180 SINGLE FAMILY RESIDENTIAL UNITS, 352 MULTI FAMILY
 FAMILY UNITS AND 15 NEW COMMERCIAL BUILDINGS
 FY 19-20 ESTIMATED IS BASED UPON 225 SINGLE FAMILY RESIDENTIAL UNITS, 575 MULTI FAMILY
 FAMILY UNITS AND 15 NEW COMMERCIAL BUILDINGS
 FY 20-21 ESTIMATED IS BASED UPON 200 SINGLE FAMILY RESIDENTIAL UNITS, 74 MULTI FAMILY
 FAMILY UNITS AND 10 NEW COMMERCIAL BUILDINGS \$125,000

363 SEWER SERVICE SALES

CLEAN WATER SERVICES AGENCY SETS THE SEWER RATES FOR THE REGION
 FY 18-19 REFLECTS A 3% RATE INCREASE WITH CITY RETAINING 16.4% AND CWS PORTION 83.6%
 FY 19-20 REFLECTS A 3% RATE INCREASE WITH CITY RETAINING 16.4% AND CWS PORTION 83.6%
 FY 20-21 REFLECTS A 0% RATE INCREASE WITH CITY RETAINING 16.4% AND CWS PORTION 83.6% AND \$3,045,000

367 UTILITY SURCHARGE

\$2 PER EDU SURCHARGE DEDICATED TO THE SEWER LINE RENEWAL AND REPLACEMENT PROGRAM \$1,270,000

369 UTILITY SALES ALLOWANCES

ADJUSTMENTS TO A CUSTOMER'S WINTER WATER AVERAGE FOR LEAKS, VARIOUS BILLING
 ADJUSTMENTS, WRITE OFF OF UNCOLLECTIBLE ACCOUNTS, AND NSF HANDLING CHARGES \$50,000

382 SALE OF CITY OR BURA PROPERTY

SALE OF SURPLUS EQUIPMENT AND VEHICLES

384 INVESTMENT INTEREST EARNINGS

INTEREST EARNINGS IS BASED ON AVAILABLE CASH BALANCES AND INTEREST RATES:
 FY 16-17 BUDGETED INTEREST EARNINGS ARE BASED UPON .55%
 FY 17-18 BUDGETED INTEREST EARNINGS ARE BASED UPON 1.10%
 FY 18-19 BUDGETED INTEREST EARNINGS ARE BASED UPON 1.75%
 FY 19-20 BUDGETED INTEREST EARNINGS ARE BASED UPON 3.00% FY 20-21 BUDGETED INTEREST EARNINGS ARE BASED
 UPON 1.40% \$195,500

City of Beaverton - Finance
 Budget Preparation - 2021

BP WORKSHEET & JUSTIFICATION

FUND: 502 SEWER FUND
 DEPT: 03 REVENUE
 PROGRAM: 0000 UNRESTRICTED

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
389	MISCELLANEOUS REVENUES												
	67,171		35										
394	MISC INTEREST EARNINGS												
	26,091		29,234		28,000		28,000	28,000		28,000		28,000	
398	SRVS PROVIDED TO OTHER FUNDS												
	159,122		133,941		80,000		80,000	130,000		130,000		130,000	
399	REIMBURSEMENTS - OTHER												
	171		91,078										
757	MED/LIFE INS PREM REFUND DISTRIBUTION												
	4,769		4,217										
TOTAL CLASS: 35 MISCELLANEOUS REVENUES													
	483,725		555,643		373,300		401,268	437,300		353,500			
TOTAL PROGRAM: 0000 UNRESTRICTED													
	13,689,682		14,026,006		16,646,596		14,932,364	17,384,195		17,968,091			
TOTAL DEPARTMENT: 03 REVENUE													
	13,689,682		14,026,006		16,646,596		14,932,364	17,384,195		17,968,091			

BP WORKSHEET & JUSTIFICATION

FUND: 502 SEWER FUND
DEPT: 03 REVENUE
PROGRAM: 0000 UNRESTRICTED

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

- 389 MISCELLANEOUS REVENUES
- 394 MISC INTEREST EARNINGS
REVENUES FROM DELINQUENT CHARGES ASSESSED THROUGH THE CITY'S UTILITY BILLING SYSTEM \$28,000
- 398 SRVS PROVIDED TO OTHER FUNDS
REIMBURSEMENTS RECEIVED FROM OTHER FUNDS FOR PROVIDING IN-HOUSE ENGINEERING AND CAPITAL PROJECT CONSTRUCTION AND UTILITY LOCATE PROGRAM SERVICES.
- 399 REIMBURSEMENTS - OTHER
- 757 MED/LIFE INS PREM REFUND DISTRIBUTION
MODA MEDICAL INSURANCE PREMIUM EXPERIENCE REBATE DISTRIBUTION TO OPERATING FUNDS



BP WORKSHEET & JUSTIFICATION

FUND: 502 SEWER FUND
 DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING
 PROGRAM: 0740 ENTERPRISE MGMT & ADMIN

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 PERSONNEL SERVICES

046	PRINCIPAL ENGINEER												
	33,165	.25	35,062	.25	36,215	.25	40,463	35,010	.25	35,010	.25		
051	CITY ENGINEER												
	42,876	.34	45,084	.34	46,588	.34	36,905	41,469	.34	41,469	.34		
068	ENGINEERING ASSOCIATE												
			2,119	.50	79,689	1.00	50,461	73,785	1.00	73,785	1.00		
084	PROJECT ENGINEER 1												
	199,799	2.10	206,748	2.10	214,071	2.10	163,056	198,374	2.10	196,704	2.10		
123	ENGINEERING TECH 2												
					3,853		4,330						
221	SUPPORT SPECIALIST 2												
	11,860	.25	12,686	.25	14,017	.25	11,033	13,939	.25	13,939	.25		
294	PROJECT SPECIALIST												
					14,222	.25	14,335	18,500	.25	18,500	.25		
299	PAYROLL TAXES AND FRINGES												
	166,171		180,475		260,037		177,209	221,348		220,336			

TOTAL CLASS: 05 PERSONNEL SERVICES

	453,871	2.94	482,174	3.44	668,692	4.19	497,792	602,425	4.19	599,743	4.19		
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CLASS: 10 MATERIALS & SERVICES

303	OFFICE FURNITURE & EQUIPMENT												
								1,000		1,000			
305	SPECIAL DEPARTMENT SUPPLIES												
	100		214		400		400	400		400			
307	MEMBERSHIP FEES												
	160		380		1,375		1,300	1,705		1,705			
317	COMPUTER EQUIPMENT												
			951										

BP WORKSHEET & JUSTIFICATION

FUND: 502 SEWER FUND
 DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING
 PROGRAM: 0740 ENTERPRISE MGMT & ADMIN

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

- 046 PRINCIPAL ENGINEER
 POSITION IS ALLOCATED 40 FTE 501-72-0740 / .25 FTE 502-72-0740 / .25 FTE 513-72-0740 / AND .10 FTE 001-72-0703.
 FY 2019-20 REFLECTS 380 HRS PTO CASH-IN.
 - 051 CITY ENGINEER
 POSITION ALLOCATED 34% 502-72-0740, 33% 513-72-0740 AND 33% 101-72-0735.
 - 068 ENGINEERING ASSOCIATE
 FY 2018-19 REFLECTS A NEW 1 FTE ENGINEERING ASSOCIATE ADDED MID-YEAR VIA AGENDA BILL19046 WHICH IS ALLOCATED 50/50 IN SEWER FUND AND STORM FUND.
 FY 2019-20 REFLECTS 1 FTE'S ALLOCATION CHANGING FROM 100% IN GENERAL FUND (001-72-0703) TO 50/50 IN SEWER & STORM FUNDS (502-72-0740 / 513-72-0740)
 - 084 PROJECT ENGINEER 1
 1 POSITION IS ALLOCATED: 60% 001-70-0701 AND 10% IN EACH OF THE FOLLOWING:
 101-72-0735, 501-72-0740, 502-72-0740, 513-72-0740
 - 123 ENGINEERING TECH 2
 FY 2019-20 REFLECTS 1 FTE ET2 TRANSFERRED FROM THE GENERAL FUND - ENGINEERING TO 50 / 25 / 25 IN WATER FUND / SEWER FUND / STORM DRAIN FUND - ENTERPRISE MGMT PROGRAM.
 POSITION ALLOCATED 50% WATER FUND, 25% SEWER FUND AND 25% STORM DRAIN FUND.
 FY 2019-20 REFLECTS MID-YEAR RECLASSIFICATION OF AN ENGINEERING TECH2 POSITION TO A PROJECT SPECIALIST POSITION.
 - 221 SUPPORT SPECIALIST 2
 POSITION IS ALLOCATED .50 FTE 501-72-0740 / .25 FTE 502-72-0740 / .25 FTE 513-72-0740.
 - 294 PROJECT SPECIALIST
 POSITION ALLOCATED 50% WATER FUND, 25% SEWER FUND AND 25% STORM DRAIN FUND.
 FY 2019-20 REFLECTS MID-YEAR RECLASSIFICATION OF AN ENGINEERING TECH2 POSITION TO A PROJECT SPECIALIST POSITION.
 - 299 PAYROLL TAXES AND FRINGES
 PAYROLL TAXES AND FRINGE BENEFITS EXPRESSED AS A PERCENTAGE OF SALARY TOTALS 58.14% AS A CITY-WIDE AVERAGE AND CONSISTS OF THE FOLLOWING:
 34.14% IN PAYROLL TAXES CONSISTING OF 7.65% FICA, AVERAGE OF 23.22% FOR RETIREMENT CONTRIBUTIONS (28.45% PERS. 19.45% OPSRP GENERAL OR 24.08% OPSRP POLICE), AND 3.27% IN OTHER TAXES (UNEMPLOYMENT, LONG TERM DISABILITY, WORKERS COMPENSATION, PEHP, AND TRIMET)
 24.00% AS THE AVERAGE COST OF MEDICAL, DENTAL, LIFE AND AD&D INSURANCES
-
- 303 OFFICE FURNITURE & EQUIPMENT
 NEW CHAIR FOR ASSOCIATE ENGINEER AND MISC OFFICE EQUIPMENT \$1,000
 - 305 SPECIAL DEPARTMENT SUPPLIES
 MISCELLANEOUS SUPPLIES AND MATERIALS \$400
 - 307 MEMBERSHIP FEES
 1 - DEQ GRADE 4 WASTEWATER SYSTEM OPR CERT \$300
 3 - PROFESSIONAL ENGINEER LICENSE RENEWAL (\$200/EA) (TW, SD, CITY ENGINEER) \$600
 2 - AMERICA PUBLIC WORKS ASSOCIATION MEMBERSHIP (\$200EA) (SD, CITY ENGINEER) \$400
 2 - SOCIETY OF HISPANIC PROFESSIONAL ENGINEERS MEMBERSHIP (ERR, JM) \$130
 1 - AMERICAN SOCIETY OF CIVIL ENGINEERS MEMBERSHIP (SD) \$275
 - 317 COMPUTER EQUIPMENT

BP WORKSHEET & JUSTIFICATION

FUND: 502 SEWER FUND
 DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING
 PROGRAM: 0740 ENTERPRISE MGMT & ADMIN

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
318	COMPUTER SOFTWARE												
	2,000												
321	TRAVEL, TRAINING & SUBSISTENCE												
	3,464		3,547		10,063		2,171	7,300		7,300			
330	MILEAGE REIMBURSEMENT												
	12												
					200		200	200		200			
361	UNIFORMS & SPECIAL CLOTHING												
	448												
			278		450		450	600		600			
511	PROFESSIONAL SERVICES												
	41,111												
			28,938		110,000		50,000	100,000		100,000			
TOTAL CLASS: 10 MATERIALS & SERVICES													
	47,295		34,308		122,488		54,521	111,205		111,205			
CLASS: 25 TRANSFERS													
816	TRSFERS TO REPROGRAPHICS FUND												
	817												
			812		550		550	1,161		1,161			
835	TRSFER TO GF, BVTN BLDG OPERATIONS												
	25,834												
			12,917		10,229		10,229	14,112		14,112			
836	TRSFER TO GF, BVTN BLDG DEBT SVC												
	34,376												
			12,992		7,861		11,595	3,734					
TOTAL CLASS: 25 TRANSFERS													
	61,027		26,721		18,640		22,374	19,007		15,273			
TOTAL PROGRAM: 0740 ENTERPRISE MGMT & ADMIN													
	562,193	2.94	543,203	3.44	809,820	4.19	574,687	732,637	4.19	726,221	4.19		
TOTAL DEPARTMENT: 72 CAPITAL DEVELOPMNT-ENGINEERING													
	562,193	2.94	543,203	3.44	809,820	4.19	574,687	732,637	4.19	726,221	4.19		

BP WORKSHEET & JUSTIFICATION

FUND: 502 SEWER FUND
 DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING
 PROGRAM: 0740 ENTERPRISE MGMT & ADMIN

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

- 318 COMPUTER SOFTWARE
 NO APPROPRIATION REQUESTED
- 321 TRAVEL, TRAINING & SUBSISTENCE
 - 3 - OSBEELS SYMPOSIUM (2 PROJ ENGINEERS AND CITY ENGINEER) (SD, TW, AND CITY ENG)\$300
 - 2 - AMERICAN PUBLIC WORKS ASSOCIATION CONFERENCE (2 PE) (PE1, CITY ENGINEER) \$3,000
 - 2 - PNWS-AWWA CONFERENCE REGISTRATION AND EXPENSES (\$1,500EA) (2 PE) (SD, CITY ENG) \$3,000
 - 1 - TRAINING FOR ASSOCIATE ENGINEER \$1,000
- 330 MILEAGE REIMBURSEMENT
 USE OF PERSONAL VEHICLE BY CITY ENGINEER FOR CITY BUSINESS \$200
- 361 UNIFORMS & SPECIAL CLOTHING
 4 - RAINGEAR, FOOTWEAR, CLOTHING, JACKETS, HARD HATS, VESTS & SAFETY EQUIP (\$150/EMP) \$600
- 511 PROFESSIONAL SERVICES
 CONSULTING SERVICES FOR MODELING AND MAPPING OF SMALL PROJECTS \$20,000
 UTILITY LOCATE CHARGES \$30,000
 RATE STUDY AND CITY OF BEAVERTON SEWER SDC \$50,000

- 816 TRSFERS TO REPROGRAPHICS FUND
 ALLOCATION OF COPIER, GRAPHICS, PRINTING, MAILING, & POSTAGE CHARGES THROUGH REPROGRAPHICS \$1,161
- 835 TRSFR TO GF, BVTN BLDG OPERATIONS
 BEAVERTON BUILDING OPERATING EXPENSE ALLOCATION \$14,112
- 836 TRSFR TO GF, BVTN BLDG DEBT SVC
 BEAVERTON BUILDING DEBT SERVICE EXPENSE ALLOCATION
 THE BONDS WILL BE PAID OFF IN FY2019-20

BP WORKSHEET & JUSTIFICATION

FUND: 502 SEWER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0753 SEWER SYSTEM MAINTENANCE

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 PERSONNEL SERVICES

049	PROG COORDINATOR -PUBLIC WORKS												
	1.00	59,918	1.00		77,089	1.00	71,466	78,140	1.00	76,394	1.00		
057	PUBLIC WORKS SUPERVISOR												
	39,308	.50	37,558	.50	36,097	.50	35,757	38,358	.50	38,358	.50		
112	PUBLIC WORKS MANAGER 3												
	57,921	.50	88,356	.50	52,765	.50	52,487	56,646	.50	56,646	.50		
170	PUBLIC WORKS LEAD												
	28,885	.50	32,072	.50	40,618	.50	35,680	40,459	.50	40,459	.50		
176	PUBLIC WORKS EQUIPMNT OPERATOR												
	133,252	2.00	118,470	2.00	136,072	2.00	136,677	141,086	2.00	139,737	2.00		
177	PUBLIC WORKS TECHNICIAN												
	107,902	2.00	108,831	2.00	154,936	3.00	126,309	175,887	3.00	173,296	3.00		
188	INVENTORY CONTROL TECHNICIAN												
	6,329	.10											
274	SEASONAL WORKFORCE												
	13,974		22,427		33,000		12,456						
275	TEMPORARY EMPLOYEES												
	45,897		10,576										
299	PAYROLL TAXES AND FRINGES												
	301,163		295,991		349,723		314,776	371,464		371,051			

TOTAL CLASS: 05 PERSONNEL SERVICES

	734,631	6.60	774,199	6.50	880,300	7.50	785,608	902,040	7.50	895,941	7.50		
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CLASS: 10 MATERIALS & SERVICES

303	OFFICE FURNITURE & EQUIPMENT												
	2,948		1,028		900		400	1,000		1,000			
304	DEPARTMENT EQUIPMENT EXPENSE												
	6,582		3,231		5,000		3,500	4,000		4,000			
305	SPECIAL DEPARTMENT SUPPLIES												
	22,605		22,589		18,717		18,000	19,800		19,800			
307	MEMBERSHIP FEES												
	270				320		160	320		320			
317	COMPUTER EQUIPMENT												
			2,735		1,083		703						

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

- 049 PROG COORDINATOR -PUBLIC WORKS

- 057 PUBLIC WORKS SUPERVISOR
 THIS POSITION IS SPLIT 50/50 IN THE SEWER FUND AND THE STORM DRAIN FUND (513-85-0734)

- 112 PUBLIC WORKS MANAGER 3
 POSITION FUNDED BY STORM DRAIN FUND AND SEWER FUND.
 FY 2019-20 REFLECTS 114 HRS PTO CASH-IN AND FY 2020-21 REFLECTS 120 HRS PTO CASH-IN.

- 170 PUBLIC WORKS LEAD
 FY 2020-21 REFLECTS 120 HRS PTO CASH-IN.

- 176 PUBLIC WORKS EQUIPMNT OPERATOR
 FY 2019-20 REFLECTS 332 HRS PTO CASH-IN AND FY 2020-21 REFLECTS 240 HRS PTO CASH-IN.

- 177 PUBLIC WORKS TECHNICIAN
 FY 2019-20 REFLECTS A NEW 1 FTE PW TECH POSITION.

- 188 INVENTORY CONTROL TECHNICIAN
 FY 2018-19 REFLECTS REDISTRIBUTION OF 1 FTE INVENTORY CONTROL TECH POSITION FROM
 25% IN 001-85 / 25% IN 101-85 / 25% IN 501-85 / 10% IN 502-85 / 15% IN 513-85 TO 100% IN
 THE GARAGE FUND.

- 274 SEASONAL WORKFORCE
 SEASONAL HELP TO ASSIST IN MANHOLE SEALING AND POST AND BRUSH DUTIES

- 275 TEMPORARY EMPLOYEES
 NO APPROPRIATION REQUESTED

- 299 PAYROLL TAXES AND FRINGES
 PAYROLL TAXES AND FRINGE BENEFITS EXPRESSED AS A PERCENTAGE OF SALARY
 TOTALS 58.14% AS A CITY-WIDE AVERAGE AND CONSISTS OF THE FOLLOWING:
 34.14% IN PAYROLL TAXES CONSISTING OF 7.65% FICA, AVERAGE OF 23.22% FOR
 RETIREMENT CONTRIBUTIONS (28.45% PERS. 19.45% OPSRP GENERAL OR
 24.08% OPSRP POLICE), AND 3.27% IN OTHER TAXES (UNEMPLOYMENT,
 LONG TERM DISABILITY, WORKERS COMPENSATION, PEHP, AND TRIMET)
 24.00% AS THE AVERAGE COST OF MEDICAL, DENTAL, LIFE AND AD&D INSURANCES

- 303 OFFICE FURNITURE & EQUIPMENT
 3-OFFICE CHAIRS \$1,000

- 304 DEPARTMENT EQUIPMENT EXPENSE
 NOZZLES \$4,000

- 305 SPECIAL DEPARTMENT SUPPLIES
 VIDEO SUPPLIES \$5,000
 ROOT CUTTING AND LINE CLEANING SUPPLIES \$1,500
 TRAFFIC CONTROL DEVICES \$2,000
 MISC SMALL TOOLS \$1,000
 HOSE REPLACEMENT FOR JET ROODER (2@1,000) & VACTOR (800') @ \$3.66/FT \$10,300

- 307 MEMBERSHIP FEES
 DEQ COLLECTION CERTIFICATION (2 @ \$160 EA) \$320

- 317 COMPUTER EQUIPMENT
 NO APPROPRIATION REQUESTED

BP WORKSHEET & JUSTIFICATION

FUND: 502 SEWER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0753 SEWER SYSTEM MAINTENANCE

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
318	COMPUTER SOFTWARE												
	1,480												
321	TRAVEL, TRAINING & SUBSISTENCE												
	5,576		5,249		10,663		5,519	8,625		8,625			
351	UTILITIES EXPENSE												
	8												
361	UNIFORMS & SPECIAL CLOTHING												
	3,636		3,380		3,660		3,600	3,600		3,600		3,600	
419	CHEMICAL & LABORATORY SUPPLIES												
	1,975		197		2,000		500	1,000		1,000		1,000	
425	DUMPING EXPENSES												
					1,000		1,000	1,000		1,000		1,000	
461	SPECIAL EXPENSE												
			72		125		125	400		400		400	
511	PROFESSIONAL SERVICES												
	35,578		38,901		49,000		18,900	49,000		49,000		49,000	
512	CITY RIGHT OF WAY FEES												
	194,006		200,573		220,000		205,000	210,000		210,000		205,000	
551	RENTS AND LEASES												
	1,269		131		1,000		1,000	1,000		1,000		1,000	
TOTAL CLASS: 10 MATERIALS & SERVICES													
	275,933		278,086		313,468		258,407	299,745		299,745		294,745	
CLASS: 15 CAPITAL OUTLAY													
641	VEHICLES												
			308,907				5,400	31,500		31,500		31,500	
671	EQUIPMENT												
	469,489		20,340		35,000		35,568	25,000		25,000		25,000	
TOTAL CLASS: 15 CAPITAL OUTLAY													
	469,489		329,247		35,000		40,968	56,500		56,500		56,500	
CLASS: 25 TRANSFERS													
801	TRFSR TO GENERAL FD - OVERHEAD												
	222,162		241,331		261,176		261,176	299,618		299,618		299,618	
802	TRFSR TO GENERAL FD-ACCOUNTING												
	28,616		62,355		79,528		79,528	58,917		58,917		58,917	
803	TRFSR TO GENERAL FD-LANDSCAPE												
	16,043		16,734		17,654		17,654	17,839		17,839		17,430	

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

318	COMPUTER SOFTWARE NO APPROPRIATION REQUESTED
321	TRAVEL, TRAINING & SUBSISTENCE 4 - SHORT SCHOOL AT CLACKAMAS COMMUNITY COLLEGE @\$225/EA \$900 2 - FALL AWWA CONFERENCE WITH 3 NIGHT STAY (\$700 REGISTRATION + \$1000 T&S) \$1,700 4 - SPRING AWWA CONFERENCE WITH 3 NIGHT STAY (\$1400 REGISTRATION + \$2000 T&S) \$3,400 PACP USER CONFERENCE @ \$800 EACH \$800 3 - JET RODDER REFRESHER @ \$275 EACH \$825 DEPARTMENTAL PROFESSIONAL DEVELOPMENT \$1,000
351	UTILITIES EXPENSE
361	UNIFORMS & SPECIAL CLOTHING 6 EMPLOYEES @ \$600/EA \$3,600
419	CHEMICAL & LABORATORY SUPPLIES GASES FOR ATMOSPHERIC TESTERS \$500 GREASE AND ROOT ABATEMENT \$500
425	DUMPING EXPENSES LANDFILL DEBRIS DISPOSAL \$1,000
461	SPECIAL EXPENSE COMMERCIAL DRIVERS LICENSE AND RENEWAL \$400
511	PROFESSIONAL SERVICES SPECIALIZED EQUIPMENT REPAIRS OF GAS MONITORS \$2,000 VIDEO CAMERA RELATED EQUIPMENT REPAIR \$12,000 UNDERGROUND UTILITY LOCATES \$35,000
512	CITY RIGHT OF WAY FEES THIS ACCOUNT WAS ESTABLISHED TO ACCOUNT FOR THE PAYMENT IN LIEU OF 5% FRANCHISE FEES \$210,000 TO THE GENERAL FUND.
551	RENTS AND LEASES MISC. RENTS AND LEASES \$1,000
641	VEHICLES REPLACEMENT OF 2-665, 2008 CHEVROLET COLORADO WITH FORD ESCAPE PLUG IN (COST INCLUDES VEHICLE, SETUP ITEMS, SAFETY LIGHTING AND LICENSING \$31,500 (PLUG- IN VEHICLE)
671	EQUIPMENT CCTV TRANSPORTER \$25,000
801	TRSFER TO GENERAL FD - OVERHEAD ALLOCATION OF OVERHEAD SERVICES PROVIDED BY THE GENERAL FUND 14.59% OF FY19-20 BUDGETED PERSONNEL SERVICES TOTAL EXPENDITURES \$299,618
802	TRSFER TO GENERAL FD-ACCOUNTING ALLOCATION OF ACCOUNTING SERVICES PROVIDED BY THE GENERAL FUND \$58,917
803	TRSFER TO GENERAL FD-LANDSCAPE ALLOCATION OF LANDSCAPE SERVICES PROVIDED BY THE GENERAL FUND \$17,430

City of Beaverton - Finance
 Budget Preparation - 2021

BP WORKSHEET & JUSTIFICATION

FUND: 502 SEWER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0753 SEWER SYSTEM MAINTENANCE

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
804	TRSFR - OPERATIONS ADMIN												
	134,074		145,641		140,175		140,175	171,575		153,900			
805	TRSFR TO G/F BLDG MAINT												
	9,471		8,199		8,457		8,457	8,008		8,008			
808	TRSFERS TO GIS PGRM (TO ISD FUND 2018-19)												
	97,453		105,662		104,563		104,563	109,886		110,410			
817	TRSFERS TO GARAGE FUND												
	85,440		137,644		101,720		101,720	146,635		146,635			
818	TRSFERS TO ISD-ALLOCATED												
	184,126		217,016		256,500		256,500	245,610		251,180			
819	TRSFERS TO INSURANCE FUND												
	164,637		164,637		205,671		205,671	205,671		205,671			
840	TRSFR TO INSURANCE FUND, WC												
	77,400												
TOTAL CLASS: 25 TRANSFERS													
	1,019,422		1,099,219		1,175,444		1,175,444	1,263,759		1,251,769			
CLASS: 30 FUND BAL/CONTINGENCY/RESERVES													
972	RESERVE - OPERATIONS FACILITY REPLACMT												
					65,269			130,461		130,461			
986	RSRV - DEDICATED SURCHG, CIP 3850 & 3950												
					5,613,667			6,230,329		5,706,623			
991	CONTINGENCY - UNRESERVED												
					2,469,848			2,085,185		2,503,981			
994	RESERVE - WTR AND SEWER (CIP 3811) SDC												
					960,214			383,966		1,026,206			
996	RESERVE - EQUIPMENT REPLACMT												
					496,439			532,624		532,624			
TOTAL CLASS: 30 FUND BAL/CONTINGENCY/RESERVES													
					9,605,437			9,362,565		9,899,895			
TOTAL PROGRAM: 0753 SEWER SYSTEM MAINTENANCE													
	2,499,475	6.60	2,480,751	6.50	12,009,649	7.50	2,260,427	11,884,605	7.50	12,398,850	7.50		

BP WORKSHEET & JUSTIFICATION

FUND: 502 SEWER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0753 SEWER SYSTEM MAINTENANCE

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

804	TRSFRR - OPERATIONS ADMIN ALLOCATION OF SERVICES PROVIDED BY THE OPERATIONS ADMINISTRATION FUND \$153,900
805	TRSFRR TO G/F BLDG MAINT ALLOCATION OF BUILDING MAINTENANCE SERVICES PROVIDED BY THE GENERAL FUND \$8,008
808	TRSFRRS TO GIS PGRM (TO ISD FUND 2018-19) ALLOCATION OF GEOGRAPHICAL INFORMATION SERVICES \$110,410
817	TRSFRRS TO GARAGE FUND ALLOCATION OF FLEET SERVICES (FUEL AND MAINTENANCE) PROVIDED BY THE GARAGE FUND \$146,635
818	TRSFRRS TO ISD-ALLOCATED ALLOCATION OF SERVICES PROVIDED BY THE INFORMATION SYSTEMS FUND \$183,147 SOFTWARE MAINTENANCE COSTS - ASSET SYSTEM AND UTILITY BILLING \$65,833 ENGINEERING SOFTWARE UPGRADES \$2,200
819	TRSFRRS TO INSURANCE FUND ALLOCATION OF CHARGES FOR GENERAL LIABILITY AND PROPERTY INSURANCE \$205,671
840	TRSFRR TO INSURANCE FUND, WC FY 17-18 REFLECTS PRE-FUNDING OF A WORKER'S COMP. CLAIM SETTLEMENT
972	RESERVE - OPERATIONS FACILITY REPLACMT IN FY 2019-20, CITY ESTABLISHED A RESERVE TO BEGIN ACCUMULATING FUNDS FOR THE EVENTUAL REPLACEMENT OF THE OPERATIONS FACILITY COMPLEX (\$500,000 PER YEAR) \$1,000,000 ACCUMULATED BALANCE IS ALLOCATED BASED UPON FTE COUNTS IN DEPARTMENT 85. GENERAL FUND \$141,110 STREET FUND \$265,157 WATER FUND \$243,734 SEWER FUND \$130,461 STORM DRAIN FUND \$219,538 \$130,461
986	RSRV - DEDICATED SURCHG, CIP 3850 & 3950 FUTURE REHABILITATION AND REPAIR PROJECTS \$5,706,623
991	CONTINGENCY - UNRESERVED
994	RESERVE - WTR AND SEWER (CIP 3811) SDC RESERVE FOR FUTURE CAPACITY IMPROVEMENT PROJECTS AND RENEWAL AND REHAB PROJECTS. \$1,026,206
996	RESERVE - EQUIPMENT REPLACMT RESERVE FOR VEHICLE REPLACEMENT, USED IN OPERATION \$486,840; RESERVE FOR VEHICLE REPLACEMENT, USED IN CONSTRUCTION \$45,784

BP WORKSHEET & JUSTIFICATION

FUND: 502 SEWER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0757 SEWER SYSTEM CONSTRUCTION

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 PERSONNEL SERVICES

057	PUBLIC WORKS SUPERVISOR									17,180	.25		
112	PUBLIC WORKS MANAGER 3												
	28,093	.33	32,109	.33	33,542	.33	33,492	35,994	.33	35,994	.33		
170	PUBLIC WORKS LEAD												
	21,886	.34	20,409	.34	48,104	.84	35,039	60,710	.84	60,710	.84		
176	PUBLIC WORKS EQUIPMNT OPERATOR												
	35,227	.50	35,308	.50	35,387	.50	33,270	34,736	.50	34,544	.50		
177	PUBLIC WORKS TECHNICIAN												
	44,158	1.00	51,572	1.00	54,238	1.00	49,807	53,778	1.00	53,778	1.00		
299	PAYROLL TAXES AND FRINGES												
	93,758		93,825		126,417		101,283	128,480		142,563			

TOTAL CLASS: 05 PERSONNEL SERVICES

	223,122	2.17	233,223	2.17	297,688	2.67	252,891	313,698	2.67	344,769	2.92		
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CLASS: 10 MATERIALS & SERVICES

304	DEPARTMENT EQUIPMENT EXPENSE												
	3,190				5,000		3,000	5,000		5,000			
305	SPECIAL DEPARTMENT SUPPLIES												
	2,171		4,014		5,000		4,000	5,000		5,000			
321	TRAVEL, TRAINING & SUBSISTENCE												
	1,703		260		1,800		1,800	2,100		2,100			
361	UNIFORMS & SPECIAL CLOTHING												
	1,538		1,002		1,950		1,950	3,200		3,200			
425	DUMPING EXPENSES												
	1,436		2,660		1,000		200	1,000		1,000			
434	CONSTRUCTION MATERIALS												
	1,060		752		20,000		5,000	15,000		10,000			

BP WORKSHEET & JUSTIFICATION

FUND: 502 SEWER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0757 SEWER SYSTEM CONSTRUCTION

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

- 057 PUBLIC WORKS SUPERVISOR

- 112 PUBLIC WORKS MANAGER 3
 POSITION FUNDED 34% STREET FUND, 33% STORM DRAIN FUND, AND 33% SEWER FUND.

- 170 PUBLIC WORKS LEAD
 1 FTE PW LEAD IS ALLOCATED 33/34/33 IN STREET / SEWER / STORM FUNDS.
 FY 19-20 REFLECTS A NEW 1 FTE PW LEAD POSITION THAT IS ALLOCATED 50/50 IN SEWER/STORM FUNDS IN THE CONSTRUCTION PROGRAM.
 FY 2019-20 REFLECTS 184 HRS PTO CASH-IN.

- 176 PUBLIC WORKS EQUIPMENT OPERATOR
 POSITION FUNDED: 50% SEWER CONSTRUCTION AND 50% STORM CONSTRUCTION.

- 177 PUBLIC WORKS TECHNICIAN
 POSITION FUNDED: 50% SEWER CONSTRUCTION AND 50% STORM CONSTRUCTION.

- 299 PAYROLL TAXES AND FRINGES
 PAYROLL TAXES AND FRINGE BENEFITS EXPRESSED AS A PERCENTAGE OF SALARY TOTALS 58.14% AS A CITY-WIDE AVERAGE AND CONSISTS OF THE FOLLOWING:
 34.14% IN PAYROLL TAXES CONSISTING OF 7.65% FICA, AVERAGE OF 23.22% FOR RETIREMENT CONTRIBUTIONS (28.45% PERS. 19.45% OPSRP GENERAL OR 24.08% OPSRP POLICE), AND 3.27% IN OTHER TAXES (UNEMPLOYMENT, LONG TERM DISABILITY, WORKERS COMPENSATION, PEHP, AND TRIMET)
 24.00% AS THE AVERAGE COST OF MEDICAL, DENTAL, LIFE AND AD&D INSURANCES

- 304 DEPARTMENT EQUIPMENT EXPENSE
 POWER TOOL REPLACEMENT, TRAFFIC SAFETY SUPPLIES & PUMP HOSES \$4,000
 TOOL STORAGE CABINET \$1,000

- 305 SPECIAL DEPARTMENT SUPPLIES
 HAND TOOLS; REPLACEMENT BLADES; CUTTING CHAINS; LOCATE PAINT; PLYWOOD & LUMBER;
 TRAFFIC CONES AND SIGNS; EROSION CONTROL; BARRICADES; LIFTING STRAPS AND CHAINS. \$5,000

- 321 TRAVEL, TRAINING & SUBSISTENCE
 WITH ADDITION OF LEAD POSITION- 4 TOTAL TEAM MEMBERS
 1 - APWA CONFERENCE REDMOND WITH 3 NIGHT STAY (\$350 REGISTRATION + \$450 T&S) \$800
 1 - VACTOR TRAINING \$500
 1 - APWA CONFERENCE NEWPORT WITH 3 NIGHT STAY (\$350 REGISTRATION + \$450 T&S) \$800

- 361 UNIFORMS & SPECIAL CLOTHING
 RAIN GEAR, SAFETY GLASSES, GLOVES AND BOOTS, SAFETY HARNESS
 4 EMPLOYEES AT \$800 EACH \$3,200
 NEW CONSTRUCTION LEAD ADDED 19/20

- 425 DUMPING EXPENSES
 LANDFILL DEBRIS DISPOSAL \$1,000

- 434 CONSTRUCTION MATERIALS
 COLD MIX, CONCRETE, ROCK, STRUCTURES, FITTINGS, PIPE AND POLLUTION CONTROL DEVICES.
 PIPE AND STRUCTURE REPAIRS FROM ASSET MANAGEMENT SOFTWARE (CITY WORKS) LIST \$10,000

BP WORKSHEET & JUSTIFICATION

FUND: 502 SEWER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0757 SEWER SYSTEM CONSTRUCTION

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
511	PROFESSIONAL SERVICES												
	45,692		99,599		110,000		90,000	93,000		93,000			
551	RENTS AND LEASES												
	1,269		131		2,000			2,000		2,000			
TOTAL CLASS: 10 MATERIALS & SERVICES													
	58,059		108,418		146,750		105,950	126,300		121,300			
CLASS: 15 CAPITAL OUTLAY													
671	EQUIPMENT												
	76,902		9,989										
TOTAL CLASS: 15 CAPITAL OUTLAY													
	76,902		9,989										
CLASS: 25 TRANSFERS													
817	TRSFERS TO GARAGE FUND												
	38,517		18,627		45,932		45,932	23,006		23,006			
829	TRSFERS TO STORM DRAIN FUND												
					90,000		90,000						
TOTAL CLASS: 25 TRANSFERS													
	38,517		18,627		135,932		135,932	23,006		23,006			
TOTAL PROGRAM: 0757 SEWER SYSTEM CONSTRUCTION													
	396,600	2.17	370,257	2.17	580,370	2.67	494,773	463,004	2.67	489,075	2.92		
TOTAL DEPARTMENT: 85 PUBLIC WORKS - OPERATIONS													
	2,896,075	8.77	2,851,008	8.67	12,590,019	10.17	2,755,200	12,347,613	10.17	12,887,925	10.42		
TOTAL FUND: 502 SEWER FUND													
	4,673,715	13.34	4,373,711	14.17	16,646,596	16.47	4,417,773	17,384,195	16.47	17,968,091	16.72		

BP WORKSHEET & JUSTIFICATION

FUND: 502 SEWER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0757 SEWER SYSTEM CONSTRUCTION

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

511 PROFESSIONAL SERVICES
 PORTABLE RESTROOM SERVICING, STREET CUTTING, CORE DRILLING
 TRAFFIC CONTROL, TRUCKING, AND CLEANING COVERALLS \$5,000
 MANHOLE SEALING AND ADJUSTMENTS FOR OVERLAYS & MAINTENANCE (30 MANHOLES @ \$2,250) \$68,000
 TRAFFIC CONTROL FOR MANHOLE ADJUSTMENTS \$10,000
 TRUCKING 80 HOURS AT \$125 / HOUR \$10,000

551 RENTS AND LEASES
 MISC. EQUIPMENT RENTAL (FUSION MACHINE, STEEL PLATES, SHORING EQUIPMENT, LIGHTING) \$2,000

671 EQUIPMENT
 NO APPROPRIATION REQUESTED

817 TRSFERS TO GARAGE FUND
 SERVICES PROVIDED BY THE GARAGE FUND \$23,006

829 TRSFERS TO STORM DRAIN FUND
 SEWER FUND'S 50% PORTION TO REPLACE 6-507 2004 CATEPILLAR BACKHOE

ESTIMATE - PAYROLL EXPENSE BY DEPARTMENT

Saturday, April 25, 2020 9:06 AM

ACCOUNT	TITLE	FTE	REG HRS	OT HRS	HIL HRS	REG PAY	OT PAY	HIL PAY	ADD PAY	SALARY	FBAMT	TOT AMT
502-72	CAPITAL DEVELOPMNT-ENGINEERING											
502-72-0740-05-046	PRINCIPAL ENGINEER	0.25	619			40,462				40,463	19,811	60,274
502-72-0740-05-051	CITY ENGINEER	0.34	580			36,906				36,905	20,006	56,911
502-72-0740-05-068	ENGINEERING ASSOCIATE	1.00	1,571	1		50,014	44		405	50,461	22,292	72,753
502-72-0740-05-084	PROJECT ENGINEER 1	2.10	3,788			163,056				163,056	94,428	257,484
502-72-0740-05-123	ENGINEERING TECH 2		110			3,931			398	4,330	2,980	7,310
502-72-0740-05-221	SUPPORT SPECIALIST 2	0.25	429	5		10,845	185			11,033	8,054	19,087
502-72-0740-05-294	PROJECT SPECIALIST	0.25	415			14,335				14,335	9,638	23,973
	ENTERPRISE MGMT & ADMIN	4.19	7,513	6		319,548	229		803	320,583	177,209	497,792
	**** DEPARTMENT TOTAL ****	4.19	7,513	6		319,548	229		803	320,583	177,209	497,792

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PROPOSE - PAYROLL EXPENSE BY DEPARTMENT

Saturday, April 25, 2020 9:07 AM

ACCOUNT	TITLE	FTE	REG HRS	OT HRS	HIL HRS	REG PAY	OT PAY	HIL PAY	ADD PAY	SALARY	FBAMT	TOT AMT
502-72	CAPITAL DEVELOPMNT-ENGINEERING											
502-72-0740-05-046	PRINCIPAL ENGINEER	0.25	522			35,010				35,010	18,735	53,745
502-72-0740-05-051	CITY ENGINEER	0.34	712			41,469				41,469	23,729	65,198
502-72-0740-05-068	ENGINEERING ASSOCIATE	1.00	2,088	40		71,502	2,013		270	73,785	32,262	106,047
502-72-0740-05-084	PROJECT ENGINEER 1	2.10	4,351			196,704				196,704	120,585	317,289
502-72-0740-05-221	SUPPORT SPECIALIST 2	0.25	522	10		13,559	380			13,939	12,206	26,145
502-72-0740-05-294	PROJECT SPECIALIST	0.25	522			18,500				18,500	12,819	31,319
	ENTERPRISE MGMT & ADMIN	4.19	8,717	50		376,744	2,393		270	379,407	220,336	599,743
	**** DEPARTMENT TOTAL ****	4.19	8,717	50		376,744	2,393		270	379,407	220,336	599,743

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ESTIMATE - PAYROLL EXPENSE BY DEPARTMENT

Saturday, April 25, 2020 9:06 AM

ACCOUNT	TITLE	FTE	REG HRS	OT HRS	HIL HRS	REG PAY	OT PAY	HIL PAY	ADD PAY	SALARY	FBAMT	TOT AMT
502-85	PUBLIC WORKS - OPERATIONS											
502-85-0753-05-049	PROG COORDINATOR -PUBLIC	1.00	2,109	47		68,827	2,369		270	71,466	48,879	120,345
502-85-0753-05-057	PUBLIC WORKS SUPERVISOR	0.50	1,050			35,758				35,757	25,327	61,084
502-85-0753-05-112	PUBLIC WORKS MANAGER 3	0.50	1,105			52,489				52,487	38,239	90,726
502-85-0753-05-170	PUBLIC WORKS LEAD	0.50	1,050			35,541			135	35,680	27,790	63,470
502-85-0753-05-176	PUBLIC WORKS EQUIPMNT	2.00	4,524	39		134,348	1,789		540	136,677	79,032	215,709
502-85-0753-05-177	PUBLIC WORKS TECHNICIAN	3.00	4,696	3		125,652	117		540	126,309	93,861	220,170
502-85-0753-05-274	SEASONAL WORKFORCE		694			12,456				12,456	1,648	14,104
	SEWER SYSTEM MAINTENANCE	7.50	15,228	89		465,071	4,275		1,485	470,832	314,776	785,608
502-85-0757-05-112	PUBLIC WORKS MANAGER 3	0.33	691			33,492				33,492	20,870	54,362
502-85-0757-05-170	PUBLIC WORKS LEAD	0.84	1,035	18		34,095	851		92	35,039	21,793	56,832
502-85-0757-05-176	PUBLIC WORKS EQUIPMNT	0.50	1,057	4		32,946	193		135	33,270	24,159	57,429
502-85-0757-05-177	PUBLIC WORKS TECHNICIAN	1.00	2,104	66		47,405	2,132		270	49,807	34,461	84,268
	SEWER SYSTEM CONSTRUCTION	2.67	4,887	88		147,937	3,176		497	151,608	101,283	252,891
	**** DEPARTMENT TOTAL ****	10.17	20,115	177		613,008	7,451		1,982	622,440	416,059	1,038,499

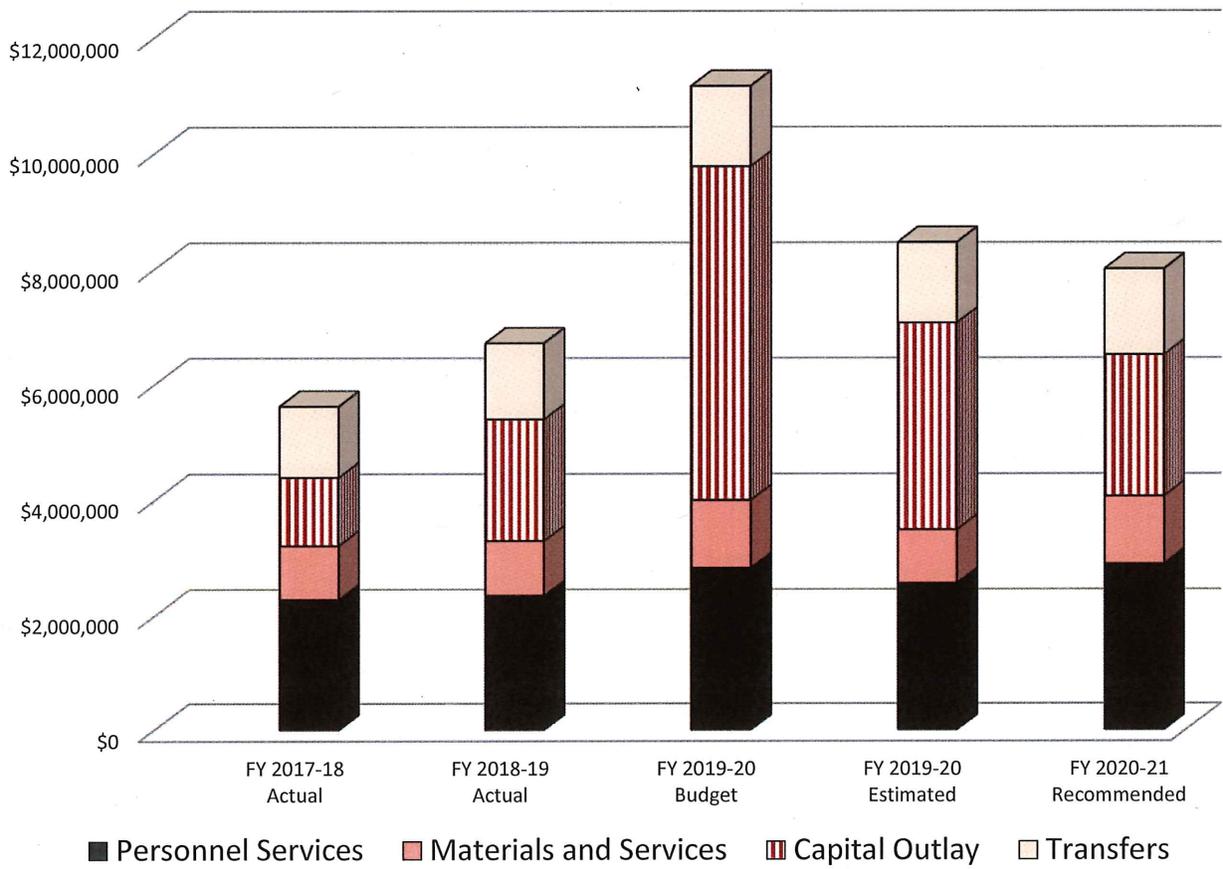
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PROPOSE - PAYROLL EXPENSE BY DEPARTMENT

ACCOUNT	TITLE	FTE	REG HRS	OT HRS	HIL HRS	REG PAY	OT PAY	HIL PAY	ADD PAY	SALARY	FBAMT	TOT AMT
502-85	PUBLIC WORKS - OPERATIONS											
502-85-0753-05-049	PROG COORDINATOR -PUBLIC	1.00	2,088	47		73,638	2,486		270	76,394	52,407	128,801
502-85-0753-05-057	PUBLIC WORKS SUPERVISOR	0.50	1,044			38,361				38,358	27,577	65,935
502-85-0753-05-112	PUBLIC WORKS MANAGER 3	0.50	1,104			56,646				56,646	41,017	97,663
502-85-0753-05-170	PUBLIC WORKS LEAD	0.50	1,104			40,320			135	40,459	30,223	70,682
502-85-0753-05-176	PUBLIC WORKS EQUIPMNT	2.00	4,416	39		137,499	1,698		540	139,737	83,005	222,742
502-85-0753-05-177	PUBLIC WORKS TECHNICIAN	3.00	6,264	3		172,370	116		810	173,296	136,822	310,118
	SEWER SYSTEM MAINTENANCE	7.50	16,020	89		518,834	4,300		1,755	524,890	371,051	895,941
502-85-0757-05-057	PUBLIC WORKS SUPERVISOR	0.25	522			17,185				17,180	14,099	31,279
502-85-0757-05-112	PUBLIC WORKS MANAGER 3	0.33	689			35,994				35,994	22,185	58,179
502-85-0757-05-170	PUBLIC WORKS LEAD	0.84	1,754	17		59,585	900		227	60,710	43,492	104,202
502-85-0757-05-176	PUBLIC WORKS EQUIPMNT	0.50	1,044	21		33,405	1,008		135	34,544	25,595	60,139
502-85-0757-05-177	PUBLIC WORKS TECHNICIAN	1.00	2,088	50		51,667	1,841		270	53,778	37,192	90,970
	SEWER SYSTEM CONSTRUCTION	2.92	6,097	88		197,836	3,749		632	202,206	142,563	344,769
	**** DEPARTMENT TOTAL ****	10.42	22,117	177		716,669	8,049		2,387	727,096	513,614	1,240,710

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STORM DRAIN FUND SUMMARY RECOMMENDED FY 20-21



CITY OF BEAVERTON

BUDGET TREND ANALYSIS - FY 2017-18 TO FY 2020-21

With Explanations on Significant Changes between Budgeted 2019-20 and Recommended 2020-21

Storm Drain - Summary

CLASS	Actual FY 2017-18	Actual FY 2018-19	Budget FY 2019-20	Estimated FY 2019-20	Recommended FY 2020-21	% Change Budgeted Vs. Recommended
Personnel Services	\$2,290,632	\$2,355,891	\$2,833,657	\$2,568,973	\$2,903,492	2.46%
Materials and Services	930,164	947,347	1,175,698	927,849	1,171,417	-0.36%
Capital Outlay	1,180,881	2,101,946	5,770,350	3,575,516	2,443,200	-57.66%
Transfers	1,226,953	1,316,044	1,388,690	1,391,524	1,484,238	6.88%
SUB-TOTAL	\$5,628,630	\$6,721,228	\$11,168,395	\$8,463,862	\$8,002,347	
Contingency			3,074,874		4,245,508	
Reserve - Conveyance			1,954,601		2,476,360	
Reserve - Quality			97,526		107,864	
Reserve - Quantity			779,713		761,253	
Reserve - Ops Facility			109,538		219,538	
Dedicated Surcharges			73,478		428,408	
Contingency - Equip.			973,785		1,077,383	
TOTAL	\$5,628,630	\$6,721,228	\$18,231,910	\$8,463,862	\$17,318,661	
FTE's	20.17	20.95	22.45		22.70	

Explanation of item(s) that are significant (10% and greater than \$10,000):

Personnel services:

FY 2020-21 reflects an increase of 0.25 FTE for a Public Works Supervisor. Budget also reflects step increases, COLA increases for SEIU and management at 2.60%. Also shown are medical insurance cost increase of 10% for Kaiser, 5% increase in MODA plans and 0% increase for Dental.

Materials and services:

No Significant Change

Capital outlay:

FY 2020-21 \$3.3 million decrease is due to the anticipated completion of the following projects: Millikan to Vernier Retrofit, Denney Rd Shared use path, Sellwood Subdivision. Changes in the timing of the Beaverton Creek Retrofit have seen the project budget be spread out over multiple fiscal years.

Transfers:

No Significant Change

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET

FUND: 513 STORM DRAIN	SUMMARY FOR STORM DRAIN FUND: INCLUDING: CIP PROJECTS, FINANCE, AND PUBLIC WORKS
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MISSION STATEMENT:

To provide a surface and storm water collection system that reduces flooding and enhances water quality. Utilize asset management software to inventory, track, schedule and report maintenance activities for the storm drainage and surface water collection system.

REQUIREMENTS	FY 2017-18 ACTUAL	FY 2018-19 ACTUAL	FY 2019-20 BUDGETED	FY 2020-21 PROPOSED	FY 2020-21 ADOPTED
POSITION	20.17	20.95	22.45	22.70	0.00
PERSONNEL SERVICES	\$2,290,632	\$2,355,891	\$2,833,657	\$2,903,492	\$0
MATERIALS & SERVICES	930,164	947,347	1,175,698	1,171,417	0
CAPITAL OUTLAY	1,180,881	2,101,946	5,770,350	2,443,200	0
TRANSFERS	1,226,953	1,316,044	1,388,690	1,484,238	0
CONTINGENCY	0	0	7,063,515	9,316,314	0
TOTAL	\$5,628,630	\$6,721,228	\$18,231,910	\$17,318,661	\$0

Funding Sources:	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2020-21
Beginning Working Capital	\$10,570,842	\$11,197,637	\$11,619,760	\$10,427,461	\$0
Storm Sewer Connection Fees	324,623	812,260	274,000	385,000	0
Miscellaneous Revenues	328,398	279,705	268,450	180,400	0
Customer Service Charges	5,595,351	6,045,737	5,975,000	6,325,000	0
Transfers from Other Funds	7,053	5,648	94,700	800	0

Storm Drain Projects:	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2020-21
3915 Misc Conveyances (SDC) Proj	39,837	27,368	1,213,000	453,500	0
3916 Misc Quantity (SDC) Project	1,820	0	0	35,000	0
3917 Misc Quality (SDC) Project	3,084	1,500	220,000	60,000	0
3950 Maintenance & Replacement Proj	395,003	2,001,252	3,676,000	1,822,000	0

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET
CURRENT LEVEL OF SERVICES

FUND: 513 STORM DRAIN	DEPARTMENT: PUBLIC WORKS
PROGRAM: 0740 ENTERPRISE MANAGEMENT & ADMIN.	PROGRAM MANAGER: DAVID WINSHIP

PROGRAM GOAL:

To provide cost-effective storm drainage engineering, planning, and management expertise to improve and maintain the City's existing storm drainage infrastructure. To guide developer/government funded storm drainage infrastructure projects within the City with the intent of preserving and enhancing natural drainage ways (creeks), reducing the frequency of flooding and reducing the cost and frequency of maintenance.

REQUIREMENTS	FY 2017-18 ACTUAL	FY 2018-19 ACTUAL	FY 2019-20 BUDGETED	FY 2020-21 PROPOSED	FY 2020-21 ADOPTED
POSITION	2.73	3.23	3.18	3.18	0.00
PERSONNEL SERVICES	\$381,768	\$405,597	\$496,283	\$475,556	\$0
MATERIALS & SERVICES	25,475	13,622	47,940	68,935	0
CAPITAL OUTLAY					
TRANSFERS	47,553	21,310	17,348	11,871	0
TOTAL	\$454,796	\$440,529	\$561,571	\$556,362	\$0

Program Objectives:

Manage the spending of the City's four storm water related accounts.

- Miscellaneous Conveyances system development charge account (513-75-3915)
- Miscellaneous Quantity system development account (513-75-3916)
- Miscellaneous Quality system development account (513-75-3917)
- City's local storm drain surcharge account (a.k.a. Maintenance & Replacement program) (513-75-3950)

The storm fund engineering objectives are:

- Collaborate with Public Works Operations staff regarding the status and needs of the storm drainage system, which influence many of the following listed objectives.
- Work in partnership, as a co-implementer, with the larger Washington County Cities and Clean Water Services (CWS), to meet the requirements of the National Pollutant Discharge Elimination System Water Shed-based Waste Discharge Permit issued by the State of Oregon Department of Environmental Quality (DEQ) and add updates to the regional design and construction standards, and the regional maintenance and performance standards.
- Add updates/improvements to the storm drainage sections of the City of Beaverton's Engineering Design Manual which has enhancements to the aforementioned regional standards.
- Participate in public and private development review of the storm drainage elements of all development applications, from the pre-application stage through site development permit issuance. The objective is facilitating development and redevelopment while cost effectively implementing the regional and city's storm drainage infrastructure design standards.
- Contribute to the design of all transportation related projects (State, County, City) within the City.
- Manage the planning, design and construction of storm water projects that repair/replace/rehabilitate/enhance existing facilities or correct existing deficiencies such as, but not limited to, inadequate water quality structures (manholes and catch basins), insufficient flow control structures, pipes and structures inaccessible to maintenance equipment, undersized, deteriorated, and root filled pipes, undersized water quality/ quantity facilities, and untreated drainage basins (outfall retrofit). These projects are shown in the Capital Improvement Plan.
- Manage the planning, design, and construction of storm water projects that reduce the frequency of flooding in areas of the city near mapped and unmapped floodplains. These projects are shown in the Capital Improvement Plan
- Implement plans/policies that minimize the adverse impacts to the existing natural storm drainage system (creeks and streams) and/or improve parts of the existing manmade system (road side ditches and culverts) in the urban growth boundary expansion areas.
- Develop strategies for responding to extreme flooding in high risk transportation corridors and develop a stormwater mitigation plan to respond to extreme flooding. 2019 Climate Action Plan numbers 71 and 74 respectively.

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET
CURRENT LEVEL OF SERVICES

FUND: 513 STORM DRAIN	DEPARTMENT: PUBLIC WORKS
PROGRAM: 0734 STORM DRAIN MAINTENANCE	PROGRAM MANAGER: JESSE WILSON

Program Goal:

To provide a storm drainage and surface water collection system that protects the community from flooding and promotes water quality through regular street sweeping, periodic cleaning and inspection of storm lines, removal of debris from the stormwater system, and cultivating community awareness through creek and pond enhancement projects.

REQUIREMENTS	FY 2017-18 ACTUAL	FY 2018-19 ACTUAL	FY 2019-20 BUDGETED	FY 2020-21 PROPOSED	FY 2020-21 ADOPTED
POSITION	13.65	13.50	14.50	14.50	0.00
PERSONNEL SERVICES	\$1,531,711	\$1,522,444	\$1,812,447	\$1,825,925	\$0
MATERIALS & SERVICES	612,128	611,809	727,678	709,840	0
CAPITAL OUTLAY	708,126	71,826	413,350	72,700	0
TRANSFERS	1,153,247	1,273,239	1,340,098	1,445,891	0
CONTINGENCY	0	0	7,063,515	9,316,314	0
TOTAL	\$4,005,212	\$3,479,318	\$11,357,088	\$13,370,670	\$0

STORM DRAINAGE INVENTORY SUMMARY

	FY 2017-18	FY 2018-19*	FY 2019-20	FY 2020-21
Storm Drain Conduit	1,299,925 lf	1,300,000 lf	1,314,938 lf	1,318,478 lf
Manholes	5,351	5,370	5,494	5,554
Catch Basins	7,790	7,800	8,058	8,022
Water Quality (WQ) Structures	340	344	381	382
Water Quality (WQ) Facilities	223	227	296	305
Storm Detention Pipes	153	153	164	167
Storm Water Filters	95	98	107	105
Street Sweeping (lane miles, and downtown 2X)	495 miles	495 miles	510 miles	510 miles

**See Performance Outcomes and Program Trends for explanation*

In accordance with the Code of Federal Regulations (CFR) §122.26, as a large municipal separate storm sewer system (MS4s) the City of Beaverton must obtain a National Pollutant Discharge Elimination System (NPDES) Permit. Over the years the program objectives have evolved to better measure the performance of storm system maintenance activities. This budget document reflects data reported to Clean Water Services (CWS) and the Department of Environmental Quality (DEQ).

The storm drainage maintenance crews have been gathering data during the course of regular maintenance to efficiently create an accurate database for mapping, managing and tracking maintenance activities. Pipe data is collected during video inspection using a scoring system that uniformly scores pipe condition. This aids in making sure that the entire storm system is properly maintained and functional to more efficiently provide water quality, and prevent stream erosion and flooding.

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET
CURRENT LEVEL OF SERVICES

FUND: 513 STORM DRAIN	DEPARTMENT: PUBLIC WORKS
PROGRAM: 0734 STORM DRAIN MAINTENANCE	PROGRAM MANAGER: JESSE WILSON

	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21
Program Objectives:	Actual	Actual	Budgeted/Revised	Proposed
Perform maintenance services and inspections to meet regulatory requirements:				
Routine Pipeline Cleaning	216,654	219,156	219,156 / 219,510	219,746
Routine Pipeline Inspection	162,490	164,367	164,367 / 164,632	164,809
Clean sumped catch basins annually	2,928	3,008	3,008 / 3,031	3,031
Clean Water Quality (WQ) Structures	682	762	762 / 764	764
WQ Facilities Maintenance	450*	378	378**/ 366	366
Storm Detention Pipes	25*	26	26 / 26	27
Storm Water Filters Inspected Annually	95	107	107 / 106	122
Sweep curbed public streets	5,940 mi	6,120 mi	6,120 mi / 6,120 mi	6,120 mi

* Denotes change in permit requirements: WQ facilities 2 times/yr. and as needed. The number of detention pipes decreased from "inspect annually" to "clean on routine pipe schedule or as needed".

** This number dropped because it was counting both facilities and filters.

Progress on FY 2019-20 Action Plan:

- As part of the *Community Vision Goal: Build Community*, the storm maintenance section worked with CWS, Friends of Trees, volunteers, and property owners on the Fanno Creek enhancement project and Barrows Meadow creek enhancement project. Both projects are large sites which were separated into multiple projects.
- As part of the *Community Vision Goal: Build Community*, staff continued the leaf removal program utilizing drop sites in or near each Neighborhood Association Committee (NAC). 4,000 cubic yards of leaves were collected this year. The City encourages citizens to donate canned goods when dropping off leaf debris. This year 5,200 pounds of food was donated to local charities.
- As part of the *Community Vision Goal: Enhance Livability*, the storm maintenance section has been working on pond rehabilitation projects: We have rehabilitated six water quality facilities and have worked with the NAC's to schedule mulching projects this spring.

FY 2020-21 Action Plan:

- As part of the *Community Vision Goal: Build Community*, the storm maintenance section will continue to work with CWS, Friends of Trees, volunteers and property owners on Fanno Creek enhancement project and performing maintenance to ensure previous years projects continue to be successful.
- As part of the *Community Vision Goal: Build Community*, The storm maintenance section will continue the leaf removal program at NAC locations around the City.
- As part of the *Community Vision Goal: Enhance Livability*, the storm maintenance section will continue to work with the Mayors office to host four planting/mulching events within NACs. Staff will identify facilities for the next three fiscal years and will be working with the NAC's to coordinate volunteers for different phases of the projects. By getting greater involvement from the NAC's we will increase awareness, develop a sense of community, while enhancing our stormwater treatment facilities and processes.

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET
CURRENT LEVEL OF SERVICES

FUND: 513 STORM DRAIN	DEPARTMENT: PUBLIC WORKS
PROGRAM: 0734 STORM DRAIN MAINTENANCE	PROGRAM MANAGER: JESSE WILSON

	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21
Performance Measures: *	Actual	Actual	Budgeted/Revised	Proposed
Perform maintenance services and inspections to meet regulatory requirements:				
Routine Pipeline Cleaning: amount cleaned per quarter – linear feet (LF)	54,165	54,789	54,789 / 54,800	54,900
Routine Pipeline Inspection: amount inspected per quarter - LF	40,623	41,842	41,842 / 41,158	41,202
Sumped catch basins cleaned per quarter	732	752	752 / 757	758
Clean Water Quality Structures: amount cleaned per quarter	171	191	191 / 191	194
Storm Detention Pipes: number of pipes cleaned per quarter.	9	9	9 / 9	9
Storm Water Filters: number of filters replaced	364	370	370 / 370	400
Material (tons) removed from system	500	505	500 / 495	500
Sweeping material (tons) kept out of system	760	800	800 / 896	900
WQ Facilities Rehabilitated projects:	16	10	10 / 4	6

Performance Outcomes and Program Trends:

Storm Drainage maintenance activities are designed to remove trash, dirt and sedimentary material that contain heavy metals and hydrocarbons from the system, reducing the amounts that enter local streams and ultimately the Tualatin River. The sooner you can remove the debris the more efficient the debris removal is; Last year we removed 800 tons of debris through street sweeping. Through other maintenance activities 495 tons of material was removed from storm pipes, catch basins, water quality structures and facilities.

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET
CURRENT LEVEL OF SERVICES

FUND: 513 STORM DRAIN	DEPARTMENT: PUBLIC WORKS
PROGRAM: 0739 STORM CONSTRUCTION	PROGRAM MANAGER: MARK OLSON

Program Goal:

Complete improvement projects and repairs to the city's storm and surface water sytem that increase system reliability and/or capacity, reduce flooding potential and include water quality enhancement elements. These projects promote city-wide beautification through replacement of the underground infrastructure.

REQUIREMENTS	FY 2017-18 ACTUAL	FY 2018-19 ACTUAL	FY 2019-20 BUDGETED	FY 2020-21 PROPOSED	FY 2020-21 ADOPTED
POSITION	2.16	2.16	2.66	2.91	0.00
PERSONNEL SERVICES	\$239,053	\$240,675	\$317,972	\$378,410	\$0
MATERIALS & SERVICES	92,585	108,958	160,950	124,150	0
CAPITAL OUTLAY	33,011	0	248,000	0	0
TRANSFERS	24,816	19,590	29,593	24,154	0
TOTAL	\$389,465	\$369,223	\$756,515	\$526,714	\$0

Program Objective:

Complete projects and make structural repairs to improve performance of the storm and surface water drainage system. Install water quality structures that provide better filtration of surface water before it returns to open urban streams. *Continue to work with CWS by applying their guidelines to our service levels* (Community Partners).

Progress on FY 2019-20 Action Plan:

- Responded to the needs identified by the maintenance staff and engineering studies regarding deficient inlets and piping system.
- Rehabilitated catch basins, manholes and older water quality structures as identified by inspection.
- Rehabilitated 28 unsumped catch basins to have sump capacity to meet DEQ Permit requirements.
- Completed CB upgrades and underground repairs required prior to 19/20 inhouse overlay program.

The construction crew worked on smaller rehabilitation storm projects in FY 2019-20. They completed storm drain repairs to the existing system to improve function during storm events. Work is prioritized to complete work needed in advance of residential and arterial overlays.

FY 2020-21 Action Plan:

- Work with engineering to develop a 5 year plan for pipe and structural repairs identified by maintenance and the Storm Master Plan
- Rehabilitate three outfalls

Performance Measures:	FY 2017-18 Actual	FY 2018-19 Actual	FY 2019-20 Budgeted/Revised	FY 2020-21 Proposed
Repairs to existing storm lines	5	9	7 / 7	7
Installation of new water quality structures	2	6	3 / 3	3
Catch basin retrofits	28	28	28 / 28	28
Number of structure repairs per year	5	5	5 / 5	5
Rehabilitation projects	18	35	30 / 25	25

Performance Outcomes and Program Trends:

This program involves routine construction to rehabilitate, repair, and replace deficient or failing catch basins. Perform maintenance repairs as recommended by storm maintenance video inspection. Perform small projects as identified. Respond during wet weather events.

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 513 STORM DRAIN FUND

DEPT: 03 REVENUE

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 BEGINNING WORKING CAPITAL

301 BEGINNING WORKING CAPITAL

	-10,570,842		-11,197,637		-11,619,760		-11,619,760	-11,619,760	-10,493,081		-10,427,461			
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TOTAL CLASS: 05 BEGINNING WORKING CAPITAL

	-10,570,842		-11,197,637		-11,619,760		-11,619,760	-11,619,760	-10,493,081		-10,427,461			
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CLASS: 20 PERMITS & FEES

347 STORM WTR DETENTION QUANTITY

	-18,991		-18,482		-20,000		-5,704	-10,000	-10,000		-10,000			
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348 STORM WTR DETENTION QUALITY

	-43,943		-7,107		-4,000		-701	-1,000	-5,000		-5,000			
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349 EROSION CONTROL FEES

	-89,700		-203,040		-50,000		-117,978	-120,000	-50,000		-50,000			
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350 HYDROMODIFICATION FEE-IN-LIEU

								-5,000			-20,000			
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352 STORM WATER CONVEYANCE FEES

	-171,989		-583,631		-200,000		-569,529	-600,000	-300,000		-300,000			
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TOTAL CLASS: 20 PERMITS & FEES

	-324,623		-812,260		-274,000		-693,912	-736,000	-365,000		-385,000			
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CLASS: 25 SERVICE FEES

364 CUSTOMER SERV CHARGES

	-4,197,933		-4,548,294		-4,500,000		-3,882,857	-4,800,000	-5,000,000		-4,950,000			
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367 UTILITY SURCHARGE

	-1,415,613		-1,515,429		-1,500,000		-1,056,287	-1,400,000	-1,400,000		-1,400,000			
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369 UTILITY SALES ALLOWANCES

	18,195		17,986		25,000		6,258	25,000	25,000		25,000			
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TOTAL CLASS: 25 SERVICE FEES

	-5,595,351		-6,045,737		-5,975,000		-4,932,886	-6,175,000	-6,375,000		-6,325,000			
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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 513 STORM DRAIN FUND

DEPT: 03 REVENUE

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
CLASS: 35 MISCELLANEOUS REVENUES														
382	SALE OF CITY OR BURA PROPERTY													
	-112,505		-3,698				-9,263	-9,263						
384	INVESTMENT INTEREST EARNINGS													
	-171,996		-241,167		-251,100		-181,881	-251,100	-233,400		-163,400			
389	MISCELLANEOUS REVENUES													
	-338		-16,422				15,000	15,000						
394	MISC INTEREST EARNINGS													
	-7,298		-8,412		-7,350		-7,350	-7,350	-7,000		-7,000			
398	SRVS PROVIDED TO OTHER FUNDS													
	-18,223		-7,360		-10,000		-18,753	-15,000	-10,000		-10,000			
399	REIMBURSEMENTS - OTHER													
	-13,415													
757	MED/LIFE INS PREM REFUND DISTRIBUTION													
	-4,623		-2,646											
TOTAL CLASS: 35 MISCELLANEOUS REVENUES														
	-328,398		-279,705		-268,450		-194,897	-267,713	-250,400		-180,400			
CLASS: 40 INTERFUND TRANSFERS/LOANS														
417	TRSFERS FROM ASSESSMENT FUND #1													
	-7,053		-5,648		-4,700			-2,850	-800		-800			
421	TRSFERS FROM SEWER FUND													
					-90,000			-90,000						
TOTAL CLASS: 40 INTERFUND TRANSFERS/LOANS														
	-7,053		-5,648		-94,700			-92,850	-800		-800			
TOTAL DEPARTMENT: 03 REVENUE														
	-16,826,267		-18,340,987		-18,231,910		-17,441,455	-18,891,323	-17,484,281		-17,318,661			

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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 513 STORM DRAIN FUND

DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 PERSONNEL SERVICES

046	PRINCIPAL ENGINEER													
	33,165	.25	35,062	.25	36,215	.25	36,437	40,463	35,010	.25	35,010	.25		
051	CITY ENGINEER													
	41,612	.33	43,755	.33	45,211	.33	43,738	35,821	40,250	.33	40,250	.33		
068	ENGINEERING ASSOCIATE													
			2,119	.50	79,694	1.00	36,917	50,471	73,795	1.00	73,795	1.00		
084	PROJECT ENGINEER 1													
	135,991	1.50	141,553	1.50	112,114	1.10	85,512	107,649	119,347	1.10	117,677	1.10		
123	ENGINEERING TECH 2													
					3,853		4,328	4,330						
124	ENGINEERING CONST INSPECTOR													
	24,829	.40	26,636	.40										
221	SUPPORT SPECIALIST 2													
	11,858	.25	12,684	.25	14,017	.25	8,190	11,033	13,939	.25	13,939	.25		
294	PROJECT SPECIALIST													
					14,222	.25	10,362	14,335	18,500	.25	18,500	.25		
299	PAYROLL TAXES AND FRINGES													
	134,313		143,788		190,957		116,097	151,902	177,397		176,385			
TOTAL CLASS: 05 PERSONNEL SERVICES														
	381,768	2.73	405,597	3.23	496,283	3.18	341,581	416,004	478,238	3.18	475,556	3.18		

CLASS: 10 MATERIALS & SERVICES

305	SPECIAL DEPARTMENT SUPPLIES													
	40				200			200	200		200			
307	MEMBERSHIP FEES													
	460		620		470		740	740	465		465			
317	COMPUTER EQUIPMENT													
			542				950							
318	COMPUTER SOFTWARE													

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 513 STORM DRAIN FUND

DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
	2,000													
321	TRAVEL, TRAINING & SUBSISTENCE													
	2,365		1,875		1,500		540	540	2,500		2,500			
328	MEALS & RELATED EXPENSE													
			19		120		21	120	120		120			
361	UNIFORMS & SPECIAL CLOTHING													
	126		284		300		221	221	300		300			
511	PROFESSIONAL SERVICES													
	20,484		10,282		45,000		1,060	10,000	65,000		65,000			
536	MAINTENANCE CONTRACTS													
					350			350	350		350			
TOTAL CLASS: 10 MATERIALS & SERVICES														
	25,475		13,622		47,940		3,532	12,171	68,935		68,935			
CLASS: 25 TRANSFERS														
816	TRSFERS TO REPROGRAPHICS FUND													
	763		1,175		550		-92	550	1,161		1,161			
835	TRFSR TO GF, BVTN BLDG OPERATIONS													
	20,076		10,038		9,499		7,916	9,499	10,710		10,710			
836	TRFSR TO GF, BVTN BLDG DEBT SVC													
	26,714		10,097		7,299		6,083	10,133	2,834					
TOTAL CLASS: 25 TRANSFERS														
	47,553		21,310		17,348		13,907	20,182	14,705		11,871			
TOTAL DEPARTMENT: 72 CAPITAL DEVELOPMNT-ENGINEERING														
	454,796	2.73	440,529	3.23	561,571	3.18	359,020	448,357	561,878	3.18	556,362	3.18		

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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 513 STORM DRAIN FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 PERSONNEL SERVICES

049 PROG COORDINATOR -PUBLIC WORKS

			66,074	1.00	73,881	1.00	56,550	71,076	73,908	1.00	73,908	1.00		
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057 PUBLIC WORKS SUPERVISOR

	39,308	.50	37,557	.50	36,102	.50	27,851	35,758	38,363	.50	55,549	.75		
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112 PUBLIC WORKS MANAGER 3

	86,016	.83	120,465	.83	86,313	.83	67,724	85,983	92,640	.83	92,640	.83		
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123 ENGINEERING TECH 2

	64,408	1.00												
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124 ENGINEERING CONST INSPECTOR

	74,622	1.00	77,298	1.00	82,142	1.00	64,948	79,197	80,311	1.00	80,311	1.00		
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170 PUBLIC WORKS LEAD

	116,473	1.83	174,261	2.83	255,727	3.33	176,455	225,855	264,505	3.33	264,505	3.33		
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176 PUBLIC WORKS EQUIPMNT OPERATOR

	303,790	4.50	275,860	4.50	309,107	4.50	241,512	299,461	306,907	4.50	306,715	4.50		
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177 PUBLIC WORKS TECHNICIAN

	331,366	6.00	266,047	5.00	350,255	6.00	230,530	305,383	358,477	6.00	358,477	6.00		
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188 INVENTORY CONTROL TECHNICIAN

	9,492	.15												
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274 SEASONAL WORKFORCE

	75,571		56,437		85,000		37,757	62,017	85,000		85,000			
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275 TEMPORARY EMPLOYEES

	9,686		14,476				13,837	4,772						
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299 PAYROLL TAXES AND FRINGES

	660,032		674,644		851,892		614,688	774,326	873,140		887,230			
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TOTAL CLASS: 05 PERSONNEL SERVICES

	1,770,764	15.81	1,763,119	15.66	2,130,419	17.16	1,531,852	1,943,828	2,173,251	17.16	2,204,335	17.41		
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CLASS: 10 MATERIALS & SERVICES

303 OFFICE FURNITURE & EQUIPMENT

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 513 STORM DRAIN FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
	2,948		827		1,200		1,090	1,200	1,200		1,200			
304	DEPARTMENT EQUIPMENT EXPENSE													
	8,396		13,020		10,900		11,925	6,100	14,900		14,900			
305	SPECIAL DEPARTMENT SUPPLIES													
	33,554		36,826		32,700		31,529	31,700	32,700		32,700			
307	MEMBERSHIP FEES													
	1,400		561		1,115		275	915	1,115		1,115			
317	COMPUTER EQUIPMENT													
			710											
318	COMPUTER SOFTWARE													
	1,480								2,500		2,500			
321	TRAVEL, TRAINING & SUBSISTENCE													
	8,725		8,538		14,288		9,438	6,000	11,875		11,875			
351	UTILITIES EXPENSE													
	4,619		2,401		5,075		167	150	500		500			
361	UNIFORMS & SPECIAL CLOTHING													
	3,889		4,145		6,100		4,039	2,688	6,000		6,000			
419	CHEMICAL & LABORATORY SUPPLIES													
	369		198		250		113	250	250		250			
425	DUMPING EXPENSES													
	119,258		120,070		151,200		96,510	111,300	151,000		151,000			
428	FLOOD CONTROL													
	1,271		673		1,500		888	1,200	1,500		1,500			
433	STORM SEWER MAINTENANCE													
	13,778		20,792		32,000		3,435	20,000	23,000		23,000			
434	CONSTRUCTION MATERIALS													
	41,260		35,124		50,000		30,508	30,000	32,000		32,000			
461	SPECIAL EXPENSE													
	112		94		250		320	320	400		400			
511	PROFESSIONAL SERVICES													
	195,621		194,502		285,550		152,007	180,000	243,550		243,550			

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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 513 STORM DRAIN FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
512	CITY RIGHT OF WAY FEES													
	265,495		279,691		290,000		223,007	290,000	310,000		305,000			
551	RENTS AND LEASES													
	2,538		2,595		6,500		3,487	2,000	6,500		6,500			
TOTAL CLASS: 10 MATERIALS & SERVICES														
	704,713		720,767		888,628		568,738	683,823	838,990		833,990			
CLASS: 15 CAPITAL OUTLAY														
641	VEHICLES													
			38,001		94,500		96,835	96,835						
670	ROLLING STOCK													
					566,850		559,271	556,630	68,700		68,700			
671	EQUIPMENT													
	741,137		33,825						4,000		4,000			
TOTAL CLASS: 15 CAPITAL OUTLAY														
	741,137		71,826		661,350		656,106	653,465	72,700		72,700			
CLASS: 25 TRANSFERS														
801	TRSFR TO GENERAL FD - OVERHEAD													
	318,887		332,806		360,877		300,731	360,877	413,417		413,417			
802	TRSFR TO GENERAL FD-ACCOUNTING													
	28,616		62,355		79,528		66,273	79,528	58,917		58,917			
803	TRSFR TO GENERAL FD-LANDSCAPE													
	16,043		16,734		17,654		14,712	17,654	17,839		17,430			
804	TRSFR - OPERATIONS ADMIN													
	269,284		254,031		236,520		197,100	236,520	289,501		257,139			
805	TRSFR TO G/F BLDG MAINT													
	14,244		12,398		12,467		10,389	12,467	13,512		13,512			
808	TRSFRS TO GIS PGRM (TO ISD FUND 2018-19)													
	141,672		153,606		152,008		126,673	152,008	159,747		160,509			

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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 513 STORM DRAIN FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
817	TRSFERS TO GARAGE FUND													
	153,645		199,402		182,756		113,156	182,756	223,887		223,887			
818	TRSFERS TO ISD-ALLOCATED													
	111,419		137,244		172,565		143,804	172,565	166,729		169,918			
819	TRSFERS TO INSURANCE FUND													
	124,253		124,253		155,316		129,430	155,316	155,316		155,316			
TOTAL CLASS: 25 TRANSFERS														
	1,178,063		1,292,829		1,369,691		1,102,268	1,369,691	1,498,865		1,470,045			
CLASS: 30 FUND BAL/CONTINGENCY/RESERVES														
972	RESERVE - OPERATIONS FACILITY REPLACMT													
					109,538				219,538		219,538			
981	RESERVE - STORM SDC CONVEYANCE, CIP 3915													
					1,954,601				2,473,400		2,476,360			
984	RESERVE - STORM SDC QUALITY, CIP 3917													
					97,526				107,991		107,864			
985	RESERVE - STORM SDC QUANTITY, CIP 3916													
					779,713				761,863		761,253			
986	RSRV - DEDICATED SURCHG, CIP 3850 & 3950													
					73,478				503,126		428,408			
991	CONTINGENCY - UNRESERVED													
					3,074,874				4,280,381		4,245,508			
996	RESERVE - EQUIPMENT REPLACMT													
					973,785				1,077,383		1,077,383			
TOTAL CLASS: 30 FUND BAL/CONTINGENCY/RESERVES														
					7,063,515				9,423,682		9,316,314			
TOTAL DEPARTMENT: 85 PUBLIC WORKS - OPERATIONS														
	4,394,677	15.81	3,848,541	15.66	12,113,603	17.16	3,858,964	4,650,807	14,007,488	17.16	13,897,384	17.41		

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**STORM DRAIN FUND - PUBLIC WORKS
FY 2019-20 ADOPTED**

Code	Position Title	Actual FY 18-19	Adopted FY 19-20	New	Transfer	Reclass	Deleted	Ending FY 19-20
46	PRINCIPAL ENGINEER	0.25	0.25					0.25
49	PROG COORDINATOR -PUBLIC WORKS	1.00	1.00					1.00
51	CITY ENGINEER	0.33	0.33					0.33
57	PUBLIC WORKS SUPERVISOR	0.50	0.50					0.50
68	ENGINEERING ASSOCIATE	0.50	1.00					1.00
84	PROJECT ENGINEER 1	1.50	1.10					1.10
112	PUBLIC WORKS MANAGER 3	0.83	0.83					0.83
124	ENGINEERING CONST INSPECTOR	0.40	0.00					0.00
124	ENGINEERING CONST INSPECTOR	1.00	1.00					1.00
170	PUBLIC WORKS LEAD	2.83	3.33					3.33
176	PUBLIC WORKS EQUIPMNT OPERATOR	4.50	4.50					4.50
177	PUBLIC WORKS TECHNICIAN	5.00	6.00					6.00
221	SUPPORT SPECIALIST 2	0.25	0.25					0.25
294	PROJECT SPECIALIST	0.00	0.25					0.25
	Total	18.89	20.34	0.00	0.00	0.00	0.00	20.34

FY 2020-21 PROPOSED

Code	Position Title	Ending FY 19-20	New	Transfer	Reclass	Deleted	Proposed FY 20-21
46	PRINCIPAL ENGINEER	0.25					0.25
49	PROG COORDINATOR -PUBLIC WORKS	1.00					1.00
51	CITY ENGINEER	0.33					0.33
57	PUBLIC WORKS SUPERVISOR	0.50	0.25 ^a				0.75
68	ENGINEERING ASSOCIATE	1.00					1.00
84	PROJECT ENGINEER 1	1.10					1.10
112	PUBLIC WORKS MANAGER 3	0.83					0.83
124	ENGINEERING CONST INSPECTOR	0.00					0.00
124	ENGINEERING CONST INSPECTOR	1.00					1.00
170	PUBLIC WORKS LEAD	3.33					3.33
176	PUBLIC WORKS EQUIPMNT OPERATOR	4.50					4.50
177	PUBLIC WORKS TECHNICIAN	6.00					6.00
221	SUPPORT SPECIALIST 2	0.25					0.25
294	PROJECT SPECIALIST	0.25					0.25
	Total	20.34	0.25	0.00	0.00	0.00	20.59

^a FY 2020-21 proposes a new 1 FTE Public Works Supervisor position allocated 50% in Street Fund - Street Maintenance program, 25% in Sewer Fund - Sewer System Maintenance program, and 25% in Storm Drain Fund - Storm Drain Maintenance program.

BP WORKSHEET & JUSTIFICATION

FUND: 513 STORM DRAIN FUND
 DEPT: 03 REVENUE
 PROGRAM: 0000 UNRESTRICTED

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 BEGINNING WORKING CAPITAL

301	BEGINNING WORKING CAPITAL												
		10,570,842	11,197,637		11,619,760		11,619,760	10,493,081		10,427,461			

TOTAL CLASS: 05 BEGINNING WORKING CAPITAL

		10,570,842	11,197,637		11,619,760		11,619,760	10,493,081		10,427,461			
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CLASS: 20 PERMITS & FEES

347	STORM WTR DETENTION QUANTITY												
		18,991	18,482		20,000		10,000	10,000		10,000			

348	STORM WTR DETENTION QUALITY												
		43,943	7,107		4,000		1,000	5,000		5,000			

349	EROSION CONTROL FEES												
		89,700	203,040		50,000		120,000	50,000		50,000			

350	HYDROMODIFICATION FEE-IN-LIEU												
							5,000			20,000			

352	STORM WATER CONVEYANCE FEES												
		171,989	583,631		200,000		600,000	300,000		300,000			

TOTAL CLASS: 20 PERMITS & FEES

		324,623	812,260		274,000		736,000	365,000		385,000			
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CLASS: 25 SERVICE FEES

364	CUSTOMER SERV CHARGES												
		4,197,933	4,548,294		4,500,000		4,800,000	5,000,000		4,950,000			

367	UTILITY SURCHARGE												
		1,415,613	1,515,429		1,500,000		1,400,000	1,400,000		1,400,000			

369	UTILITY SALES ALLOWANCES												
		-18,195	-17,986		-25,000		-25,000	-25,000		-25,000			

TOTAL CLASS: 25 SERVICE FEES

		5,595,351	6,045,737		5,975,000		6,175,000	6,375,000		6,325,000			
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CLASS: 35 MISCELLANEOUS REVENUES

382	SALE OF CITY OR BURA PROPERTY												
		112,505	3,698				9,263						

BP WORKSHEET & JUSTIFICATION

FUND: 513 STORM DRAIN FUND
 DEPT: 03 REVENUE
 PROGRAM: 0000 UNRESTRICTED

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

301 BEGINNING WORKING CAPITAL

347 STORM WTR DETENTION QUANTITY

THE CITY RETAINS 100% OF THE SDC REVENUES (NOT SHARED WITH CWS).
 FY 17-18 DATA IS BASED UPON 64 SINGLE FAMILY RESIDENTIAL UNITS, 230 MULTI FAMILY
 FAMILY UNITS AND 12 NEW COMMERCIAL BUILDINGS
 FY 18-19 ESTIMATED IS BASED UPON 180 SINGLE FAMILY RESIDENTIAL UNITS, 352 MULTI FAMILY
 FAMILY UNITS AND 15 NEW COMMERCIAL BUILDINGS
 FY 19-20 ESTIMATED IS BASED UPON 225 SINGLE FAMILY RESIDENTIAL UNITS, 575 MULTI FAMILY
 FAMILY UNITS AND 15 NEW COMMERCIAL BUILDINGS
 FY 20-21 ESTIMATED IS BASED UPON 200 SINGLE FAMILY RESIDENTIAL UNITS, 747 MULTI FAMILY
 FAMILY UNITS \$10,000

348 STORM WTR DETENTION QUALITY

REFER TO DESCRIPTION IN ACCOUNT 347 STORM WATER DETENTION QUANTITY ABOVE \$5,000

349 EROSION CONTROL FEES

REFER TO DESCRIPTION IN ACCOUNT 347 STORM WATER DETENTION QUANTITY ABOVE \$50,000

350 HYDROMODIFICATION FEE-IN-LIEU

REFER TO DESCRIPTION IN ACCOUNT 347 STORM WATER DETENTION QUANTITY ABOVE \$20,000

352 STORM WATER CONVEYANCE FEES

REFER TO DESCRIPTION IN ACCOUNT 347 STORM WATER DETENTION QUANTITY ABOVE \$300,000

364 CUSTOMER SERV CHARGES

CLEAN WATER SERVICES SET THE STORM WATER MANAGEMENT RATES FOR THE REGION
 FY 17-18 REFLECTS A CWS BASE CHARGE OF \$8.25 PER ESU AND RETAINS THE SAME REVENUE
 SPLIT BETWEEN THE CITY (75%) AND CWS (25%)
 FY 18-19 REFLECTS A CWS BASE CHARGE OF \$8.75 PER ESU AND RETAINS THE SAME REVENUE
 SPLIT BETWEEN THE CITY (75%) AND CWS (25%)
 FY 19-20 REFLECTS A CWS BASE CHARGE OF \$9.25 PER ESU AND RETAINS THE SAME REVENUE
 SPLIT BETWEEN THE CITY (75%) AND CWS (25%)
 FY 20-21 REFLECTS A CWS BASE CHARGE OF \$9.75 PER ESU AND RETAINS THE SAME REVENUE
 SPLIT BETWEEN THE CITY (75%) AND CWS (25%) \$4,950,000

367 UTILITY SURCHARGE

THIS LINE ITEM ACCOUNTS FOR THE SEPARATE \$2 PER ESU (EQUIVALENT SERVICE UNIT) AND
 IS DEDICATED TO MAINTENANCE AND REHABILITATION OF STORM DRAINAGE FACILITIES \$1,400,000

369 UTILITY SALES ALLOWANCES

VARIOUS BILLING ADJUSTMENTS FOR IMPERVIOUS AREA TO CUSTOMER BILLS, WRITE
 OFF OF UNCOLLECTIBLE ACCOUNTS, WRITE OFF OF DELINQUENT CHARGES, WHEN
 APPROPRIATE. -\$25,000

382 SALE OF CITY OR BURA PROPERTY

FY 2017-18 REFLECTS THE SALE OF A 2007 TYMCO SWEEPER AND A 2000 VACTOR TRUCK

City of Beaverton - Finance
 Budget Preparation - 2021

BP WORKSHEET & JUSTIFICATION

FUND: 513 STORM DRAIN FUND
 DEPT: 03 REVENUE
 PROGRAM: 0000 UNRESTRICTED

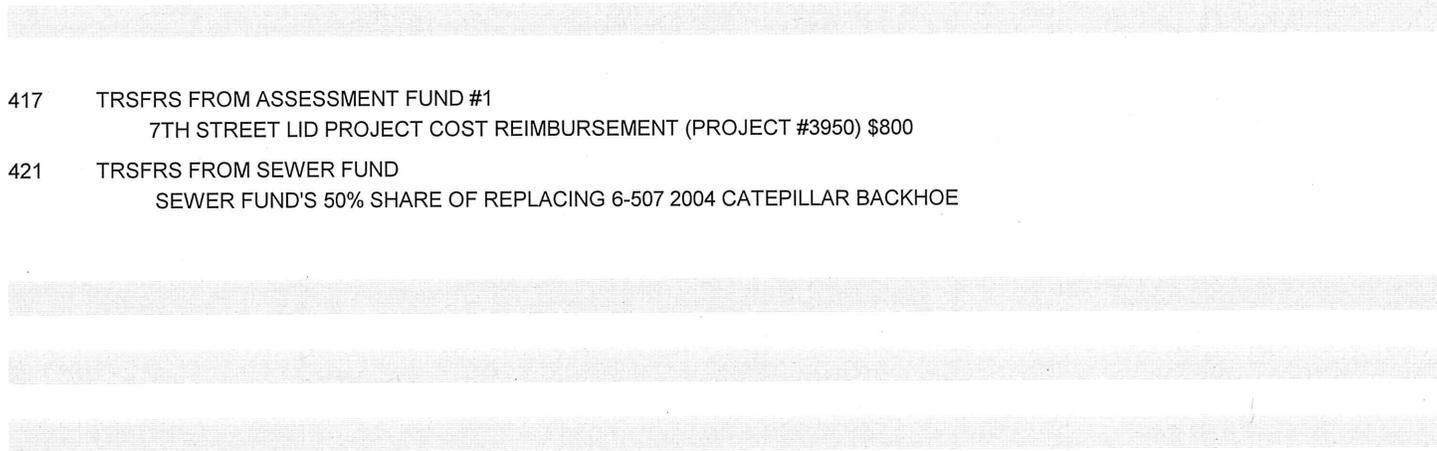
OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
384	INVESTMENT INTEREST EARNINGS												
	171,996		241,167		251,100		251,100	233,400		163,400			
389	MISCELLANEOUS REVENUES												
	338		16,422				-15,000						
394	MISC INTEREST EARNINGS												
	7,298		8,412		7,350		7,350	7,000		7,000			
398	SRVS PROVIDED TO OTHER FUNDS												
	18,223		7,360		10,000		15,000	10,000		10,000			
399	REIMBURSEMENTS - OTHER												
	13,415												
757	MED/LIFE INS PREM REFUND DISTRIBUTION												
	4,623		2,646										
TOTAL CLASS: 35 MISCELLANEOUS REVENUES													
	328,398		279,705		268,450		267,713	250,400		180,400			
CLASS: 40 INTERFUND TRANSFERS/LOANS													
417	TRSFERS FROM ASSESSMENT FUND #1												
	7,053		5,648		4,700		2,850	800		800			
421	TRSFERS FROM SEWER FUND												
					90,000		90,000						
TOTAL CLASS: 40 INTERFUND TRANSFERS/LOANS													
	7,053		5,648		94,700		92,850	800		800			
TOTAL PROGRAM: 0000 UNRESTRICTED													
	16,826,267		18,340,987		18,231,910		18,891,323	17,484,281		17,318,661			
TOTAL DEPARTMENT: 03 REVENUE													
	16,826,267		18,340,987		18,231,910		18,891,323	17,484,281		17,318,661			

BP WORKSHEET & JUSTIFICATION

FUND: 513 STORM DRAIN FUND
 DEPT: 03 REVENUE
 PROGRAM: 0000 UNRESTRICTED

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

- 384 INVESTMENT INTEREST EARNINGS
 INTEREST EARNINGS IS BASED ON AVAILABLE CASH BALANCES AND INTEREST RATES:
 FY 16-17 BUDGETED INTEREST EARNINGS ARE BASED UPON .55%
 FY 17-18 BUDGETED INTEREST EARNINGS ARE BASED UPON 1.10%
 FY 18-19 BUDGETED INTEREST EARNINGS ARE BASED UPON 1.75%
 FY 19-20 BUDGETED INTEREST EARNINGS ARE BASED UPON 3.00% FY 20-21 BUDGETED INTEREST EARNINGS ARE BASED
 UPON 1.20% \$163,400
 - 389 MISCELLANEOUS REVENUES
 - 394 MISC INTEREST EARNINGS
 REVENUES FROM DELINQUENT CHARGES ASSESSED THROUGH THE CITY'S UTILITY
 BILLING SYSTEM
 \$7,000
 - 398 SRVS PROVIDED TO OTHER FUNDS
 REIMBURSEMENTS RECEIVED FROM OTHER FUNDS FOR PROVIDING IN-HOUSE ENGINEERING,
 CAPITAL PROJECT CONSTRUCTION, AND UTILITY LOCATE PROGRAM SERVICES.
 \$10,000
 - 399 REIMBURSEMENTS - OTHER
 FY 2017-18 REFLECTS REIMBURSEMENT FROM CITY OF PORTLAND FOR THE JULY FANNO CREEK SEWAGE
 SPILL
 FY 2018-19 DEVELOPER CONTRIBUTION TOWARD MAINTENANCE OF THE STORM MANHOLE AT
 RALEIGH HILLS FOR 15-20 YEARS
 - 757 MED/LIFE INS PREM REFUND DISTRIBUTION
 MODA MEDICAL INSURANCE PREMIUM EXPERIENCE REBATE DISTRIBUTION TO OPERATING FUNDS
-
- 417 TRSFERS FROM ASSESSMENT FUND #1
 7TH STREET LID PROJECT COST REIMBURSEMENT (PROJECT #3950) \$800
 - 421 TRSFERS FROM SEWER FUND
 SEWER FUND'S 50% SHARE OF REPLACING 6-507 2004 CATEPILLAR BACKHOE



BP WORKSHEET & JUSTIFICATION

FUND: 513 STORM DRAIN FUND
 DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING
 PROGRAM: 0740 ENTERPRISE MGMT & ADMIN

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 PERSONNEL SERVICES

046	PRINCIPAL ENGINEER												
	33,165	.25	35,062	.25	36,215	.25	40,463	35,010	.25	35,010	.25		
051	CITY ENGINEER												
	41,612	.33	43,755	.33	45,211	.33	35,821	40,250	.33	40,250	.33		
068	ENGINEERING ASSOCIATE												
			2,119	.50	79,694	1.00	50,471	73,795	1.00	73,795	1.00		
084	PROJECT ENGINEER 1												
	135,991	1.50	141,553	1.50	112,114	1.10	107,649	119,347	1.10	117,677	1.10		
123	ENGINEERING TECH 2												
					3,853		4,330						
124	ENGINEERING CONST INSPECTOR												
	24,829	.40	26,636	.40									
221	SUPPORT SPECIALIST 2												
	11,858	.25	12,684	.25	14,017	.25	11,033	13,939	.25	13,939	.25		
294	PROJECT SPECIALIST												
					14,222	.25	14,335	18,500	.25	18,500	.25		
299	PAYROLL TAXES AND FRINGES												
	134,313		143,788		190,957		151,902	177,397		176,385			

TOTAL CLASS: 05 PERSONNEL SERVICES

	381,768	2.73	405,597	3.23	496,283	3.18	416,004	478,238	3.18	475,556	3.18		
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CLASS: 10 MATERIALS & SERVICES

305	SPECIAL DEPARTMENT SUPPLIES												
	40				200		200	200		200			
307	MEMBERSHIP FEES												
	460		620		470		740	465		465			

BP WORKSHEET & JUSTIFICATION

FUND: 513 STORM DRAIN FUND
 DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING
 PROGRAM: 0740 ENTERPRISE MGMT & ADMIN

OBJ	OBJECT DESCRIPTION	JUSTIFICATIONS
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- 046 PRINCIPAL ENGINEER
 POSITION IS ALLOCATED .50 FTE 501-72-0740 / .25 FTE 502-72-0740 / .25 FTE 513-72-0740 /
 AND .10 FTE 001-72-0703.
 FY 2019-20 REFLECTS 380 HRS PTO CASH-IN.
 - 051 CITY ENGINEER
 ALLOCATED 34% 502-72-0740, 33% 513-72-0740 AND 33% 101-72-0735.
 - 068 ENGINEERING ASSOCIATE
 FY 2018-19 REFLECTS A NEW 1 FTE ENGINEERING ASSOCIATE ADDED MID-YEAR VIA AGENDA BILL19046
 WHICH IS ALLOCATED 50/50 IN SEWER FUND AND STORM FUND.
 FY 2019-20 REFLECTS 1 FTE'S ALLOCATION CHANGING FROM 100% IN
 GENERAL FUND (001-72-0703) TO 50/50 IN SEWER & STORM FUNDS (502-72-0740 / 513-72-0740)
 - 084 PROJECT ENGINEER 1
 1 FTE PROJECT ENGINEER 1 POSITION IS ALLOCATED 60% 001-70-0701 AND
 10% IN EACH OF THE FOLLOWING: 101-72-0735, 501-72-0740, 502-72-0740, AND 513-72-0740.
 FY 2019-20 REFLECTS 1 FTE PROJECT ENGR 1 POSITION BEING REALLOCATED FROM 20/40/40 IN
 STREET FUND / WATER FUND / STORM DRAIN FUND TO 100% IN STREET FUND PROGRAM 0735.
 FY 2019-20 REFLECTS 40 HRS PTO CASH-IN AND FY 2020-21 REFLECTS 120 HRS PTO CASH-IN.
 - 123 ENGINEERING TECH 2
 FY 2019-20 REFLECTS 1 FTE ET2 TRANSFERRED FROM THE GENERAL FUND - ENGINEERING TO
 50 / 25 / 25 IN WATER FUND / SEWER FUND / STORM DRAIN FUND - ENTERPRISE MGMT PROGRAM.
 POSITION ALLOCATED 50% WATER FUND, 25% SEWER FUND AND 25% STORM DRAIN FUND.
 FY 2019-20 REFLECTS MID-YEAR RECLASSIFICATION OF AN ENGINEERING TECH2 POSITION TO
 A PROJECT SPECIALIST POSITION.
 - 124 ENGINEERING CONST INSPECTOR
 1 FTE ENGINEERING CONSTRUCTION INSPECTOR IS ALLOCATED
 40% 501-72-0740, 40% 513-72-0740, 20% 101-72-0735
 FY 2019-20 REFLECTS 1 FTE ENGR CONST INSPECTOR POSITION'S ALLOCATION CHANGING FROM
 20/40/40 IN STREET FUND 101-72-0735 / WATER FUND 501-72-0740 / STORM FUND 513-72-0740
 TO 100% IN GENERAL FUND (001-70-0701)
 - 221 SUPPORT SPECIALIST 2
 POSITION IS ALLOCATED .50 FTE 501-72-0740 / .25 FTE 502-72-0740 / .25 FTE 513-72-0740.
 - 294 PROJECT SPECIALIST
 POSITION ALLOCATED 50% WATER FUND, 25% SEWER FUND AND 25% STORM DRAIN FUND.
 FY 2019-20 REFLECTS MID-YEAR RECLASSIFICATION OF AN ENGINEERING TECH2 POSITION TO
 A PROJECT SPECIALIST POSITION.
 - 299 PAYROLL TAXES AND FRINGES
 PAYROLL TAXES AND FRINGE BENEFITS EXPRESSED AS A PERCENTAGE OF SALARY
 TOTALS 58.14% AS A CITY-WIDE AVERAGE AND CONSISTS OF THE FOLLOWING:
 34.14% IN PAYROLL TAXES CONSISTING OF 7.65% FICA, AVERAGE OF 23.22% FOR
 RETIREMENT CONTRIBUTIONS (28.45% PERS. 19.45% OPSRP GENERAL OR
 24.08% OPSRP POLICE), AND 3.27% IN OTHER TAXES (UNEMPLOYMENT,
 LONG TERM DISABILITY, WORKERS COMPENSATION, PEHP, AND TRIMET)
 24.00% AS THE AVERAGE COST OF MEDICAL, DENTAL, LIFE AND AD&D INSURANCES
-
- 305 SPECIAL DEPARTMENT SUPPLIES
 MISCELLANEOUS SUPPLIES AND MATERIALS \$200
 - 307 MEMBERSHIP FEES
 OREGON PROFESSIONAL ENGINEER BIENNIAL RENEWAL FOR ONE PROJECT ENGINEER \$190
 AMERICAN SOCIETY OF CIVIL ENGINEERS FOR ONE PROJECT ENGINEER \$275

BP WORKSHEET & JUSTIFICATION

FUND: 513 STORM DRAIN FUND
 DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING
 PROGRAM: 0740 ENTERPRISE MGMT & ADMIN

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
317	COMPUTER EQUIPMENT		542										
318	COMPUTER SOFTWARE		2,000										
321	TRAVEL, TRAINING & SUBSISTENCE		1,875		1,500		540	2,500		2,500			
328	MEALS & RELATED EXPENSE		19		120		120	120				120	
361	UNIFORMS & SPECIAL CLOTHING		284		300		221	300				300	
511	PROFESSIONAL SERVICES		10,282		45,000		10,000	65,000		65,000		65,000	
536	MAINTENANCE CONTRACTS				350		350	350				350	
TOTAL CLASS: 10 MATERIALS & SERVICES													
	25,475		13,622		47,940		12,171	68,935		68,935			
CLASS: 25 TRANSFERS													
816	TRSFERS TO REPROGRAPHICS FUND		1,175		550		550	1,161				1,161	
835	TRSFER TO GF, BVTN BLDG OPERATIONS		10,038		9,499		9,499	10,710		10,710		10,710	
836	TRSFER TO GF, BVTN BLDG DEBT SVC		10,097		7,299		10,133	2,834					
TOTAL CLASS: 25 TRANSFERS													
	47,553		21,310		17,348		20,182	14,705		11,871			
TOTAL PROGRAM: 0740 ENTERPRISE MGMT & ADMIN													
	454,796	2.73	440,529	3.23	561,571	3.18	448,357	561,878	3.18	556,362	3.18		
TOTAL DEPARTMENT: 72 CAPITAL DEVELOPMNT-ENGINEERING													
	454,796	2.73	440,529	3.23	561,571	3.18	448,357	561,878	3.18	556,362	3.18		

BP WORKSHEET & JUSTIFICATION

FUND: 513 STORM DRAIN FUND
 DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING
 PROGRAM: 0740 ENTERPRISE MGMT & ADMIN

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

317	COMPUTER EQUIPMENT
318	COMPUTER SOFTWARE NO APPROPRIATION REQUESTED
321	TRAVEL, TRAINING & SUBSISTENCE PROFESSIONAL DEVELOPMENT (TRAINING) TO MAINTAIN CIVIL ENGINEERING LICENSE \$1,500 TRAINING FOR ASSOCIATE ENGINEER \$1,000
328	MEALS & RELATED EXPENSE PROFESSIONAL SOCIETY LUNCH AND DINNER MEETINGS; SPONSORED MEETING WITH CITY/AGENCY TECHNICAL GROUP, PARKING EXPENSE \$120
361	UNIFORMS & SPECIAL CLOTHING 2 - RAINGEAR, FOOTWEAR, CLOTHING, JACKETS, HARD HATS, VESTS, & SAFETY EQUIP \$300
511	PROFESSIONAL SERVICES PROFESSIONAL SERVICES FOR STORMWATER MODELING, MAPPING, DOCUMENT REVIEW \$45,000 ENGINEERING DESIGN MANUAL UPDATE ASSOCIATED WITH STORMWATER ENGINEERING UTILITY LOCATES \$20,000
536	MAINTENANCE CONTRACTS ANNUAL SOFTWARE MAINTAIN COST FOR FLOWMASTER AND HYDROCAD SPECIALTY SOFTWARE \$350

816	TRSFERS TO REPROGRAPHICS FUND ALLOCATION OF COPIER, GRAPHICS, PRINTING, MAILING, & POSTAGE CHARGES THROUGH REPROGRAPHICS \$1,161
835	TRFSR TO GF, BVTN BLDG OPERATIONS BEAVERTON BLDG OPERATING EXPENSE ALLOCATION \$10,710
836	TRFSR TO GF, BVTN BLDG DEBT SVC BEAVERTON BLDG DEBT SERVICE EXPENSE ALLOCATION THE BONDS WILL BE PAID OFF IN FY 2019-20

BP WORKSHEET & JUSTIFICATION

FUND: 513 STORM DRAIN FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0734 STORM DRAINAGE MAINTENANCE

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 PERSONNEL SERVICES

049	PROG COORDINATOR -PUBLIC WORKS		66,074	1.00	73,881	1.00	71,076	73,908	1.00	73,908	1.00		
057	PUBLIC WORKS SUPERVISOR		39,308	.50	37,557	.50	36,102	35,758	.50	38,363	.50	38,363	.50
112	PUBLIC WORKS MANAGER 3		57,923	.50	88,357	.50	52,771	52,491	.50	56,646	.50	56,646	.50
123	ENGINEERING TECH 2		64,408	1.00									
124	ENGINEERING CONST INSPECTOR		74,622	1.00	77,298	1.00	82,142	79,197	1.00	80,311	1.00	80,311	1.00
170	PUBLIC WORKS LEAD		95,230	1.50	154,452	2.50	208,334	191,607	2.50	204,576	2.50	204,576	2.50
176	PUBLIC WORKS EQUIPMNT OPERATOR		268,563	4.00	240,554	4.00	273,712	266,184	4.00	272,164	4.00	272,164	4.00
177	PUBLIC WORKS TECHNICIAN		275,692	5.00	209,307	4.00	288,442	242,697	5.00	293,681	5.00	293,681	5.00
188	INVENTORY CONTROL TECHNICIAN		9,492	.15									
274	SEASONAL WORKFORCE		75,571		56,437		75,000	57,017		75,000		75,000	
275	TEMPORARY EMPLOYEES		9,686		14,476			4,772					
299	PAYROLL TAXES AND FRINGES		561,216		577,932		722,063	660,067		731,276		731,276	

TOTAL CLASS: 05 PERSONNEL SERVICES

	1,531,711	13.65	1,522,444	13.50	1,812,447	14.50	1,660,866	1,825,925	14.50	1,825,925	14.50		
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CLASS: 10 MATERIALS & SERVICES

303	OFFICE FURNITURE & EQUIPMENT		2,948		827		1,200	1,200		1,200		1,200	
304	DEPARTMENT EQUIPMENT EXPENSE		8,396		8,005		5,900	3,600		9,900		9,900	

BP WORKSHEET & JUSTIFICATION

FUND: 513 STORM DRAIN FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0734 STORM DRAINAGE MAINTENANCE

OBJ	OBJECT DESCRIPTION	JUSTIFICATIONS
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- 049 PROG COORDINATOR -PUBLIC WORKS
 FY 18-19 REFLECTS RECLASSIFICATION OF 1 FTE ENGINEERING TECH 2 TO PROGRAM COORDINATOR
- 057 PUBLIC WORKS SUPERVISOR
 THIS POSITION IS ALLOCATED 50/50 IN THE STORM DRAIN FUND AND THE SEWER FUND (502-85-0753)
- 112 PUBLIC WORKS MANAGER 3
 POSITION FUNDED BY STORM DRAIN FUND AND SEWER FUND.
 FY 2019-20 REFLECTS 114 HRS PTO CASH-IN AND FY 2020-21 REFLECTS 120 HRS PTO CASH-IN.
- 123 ENGINEERING TECH 2
 FY 18-19 REFLECTS RECLASSIFICATION OF 1 FTE ENGINEERING TECH 2 TO PROGRAM COORDINATOR
- 124 ENGINEERING CONST INSPECTOR
 FY 2019-20 AND FY 2020-21 REFLECT 80 HRS PTO CASH-IN.
- 170 PUBLIC WORKS LEAD
 1 POSITION IS ALLOCATED: 50/50 502-85-0753 / 513-85-0734 (SEWER/STORM MAINTENANCE).
 FY 2019-20 REFLECTS 84 HRS PTO CASH-IN AND FY 2020-21 REFLECTS 240 HRS PTO CASH-IN.
- 176 PUBLIC WORKS EQUIPMNT OPERATOR
 FY 2019-20 REFLECTS 134 HRS PTO CASH-IN AND FY 2020-21 REFLECTS 120 HRS PTO CASH-IN.
- 177 PUBLIC WORKS TECHNICIAN
 FY 19-20 REFLECTS A NEW 1 FTE PW TECH POSITION.
 FY 2019-20 REFLECTS 67 HRS PTO CASH-IN.
- 188 INVENTORY CONTROL TECHNICIAN
 FY 2018-19 REFLECTS REDISTRIBUTION OF 1 FTE INVENTORY CONTROL TECH POSITION FROM
 25% IN 001-85 / 25% IN 101-85 / 25% IN 501-85 / 10% IN 502-85 / 15% IN 513-85 TO 100% IN
 THE GARAGE FUND.
- 274 SEASONAL WORKFORCE
 SEASONAL HELP FOR DRAINAGE FACILITY MOWING, POND RESTORATION/MAINTENANCE, CREEK
 ENHANCEMENT AND LEAF PROGRAM. MAINTENANCE OF 50 PONDS (\$25,000); POND ENHANCEMENT
 (\$10,000); CREEK ENHANCEMENT (\$15,000); LEAF PROGRAM (\$20,000)
- 275 TEMPORARY EMPLOYEES
 NO APPROPRIATION REQUESTED
- 299 PAYROLL TAXES AND FRINGES
 PAYROLL TAXES AND FRINGE BENEFITS EXPRESSED AS A PERCENTAGE OF SALARY
 TOTALS 58.14% AS A CITY-WIDE AVERAGE AND CONSISTS OF THE FOLLOWING:
 34.14% IN PAYROLL TAXES CONSISTING OF 7.65% FICA, AVERAGE OF 23.22% FOR
 RETIREMENT CONTRIBUTIONS (28.45% PERS. 19.45% OPSRP GENERAL OR
 24.08% OPSRP POLICE), AND 3.27% IN OTHER TAXES (UNEMPLOYMENT,
 LONG TERM DISABILITY, WORKERS COMPENSATION, PEHP, AND TRIMET)
 24.00% AS THE AVERAGE COST OF MEDICAL, DENTAL, LIFE AND AD&D INSURANCES

- 303 OFFICE FURNITURE & EQUIPMENT
 4 CHAIRS @ \$300 \$1,200
- 304 DEPARTMENT EQUIPMENT EXPENSE
 2YD LIGHT MATERAIL BUCKET \$4,000
 NOZZLES \$5,000
 WEED WACKERS (2 @ \$450) \$900

City of Beaverton - Finance
 Budget Preparation - 2021

BP WORKSHEET & JUSTIFICATION

FUND: 513 STORM DRAIN FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0734 STORM DRAINAGE MAINTENANCE

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
305	SPECIAL DEPARTMENT SUPPLIES												
	29,692		34,145		27,700		27,700	27,700		27,700		27,700	
307	MEMBERSHIP FEES												
	1,400		561		815		815	815		815		815	
317	COMPUTER EQUIPMENT												
			710										
318	COMPUTER SOFTWARE												
	1,480							2,500		2,500		2,500	
321	TRAVEL, TRAINING & SUBSISTENCE												
	7,526		8,070		12,588		6,000	9,775		9,775		9,775	
351	UTILITIES EXPENSE												
	4,619		2,401		5,075		150	500		500		500	
361	UNIFORMS & SPECIAL CLOTHING												
	3,889		4,145		6,100		2,688	6,000		6,000		6,000	
419	CHEMICAL & LABORATORY SUPPLIES												
	369		198		250		250	250		250		250	
425	DUMPING EXPENSES												
	117,586		119,008		150,000		111,000	150,000		150,000		150,000	
428	FLOOD CONTROL												
	1,271		673		1,500		1,200	1,500		1,500		1,500	
433	STORM SEWER MAINTENANCE												
	13,778		20,792		32,000		20,000	23,000		23,000		23,000	
461	SPECIAL EXPENSE												
	112		94		250		320	400		400		400	
511	PROFESSIONAL SERVICES												
	152,298		130,025		189,300		100,000	166,300		166,300		166,300	
512	CITY RIGHT OF WAY FEES												
	265,495		279,691		290,000		290,000	310,000		305,000		305,000	
551	RENTS AND LEASES												
	1,269		2,464		5,000		1,500	5,000		5,000		5,000	
TOTAL CLASS: 10 MATERIALS & SERVICES													
	612,128		611,809		727,678		566,423	714,840		709,840		709,840	

BP WORKSHEET & JUSTIFICATION

FUND: 513 STORM DRAIN FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0734 STORM DRAINAGE MAINTENANCE

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

305	SPECIAL DEPARTMENT SUPPLIES LINE CLEANING SUPPLIES \$2,000 VIDEO SUPPLIES \$5,000 GUTTER BROOMS THREE STREET SWEEPERS 3 PALLETS @ \$1,900/PALLET \$5,700 MISC SUPPLIES \$1,000 VACTOR PARTS = TUBES, SUCTION NOZZLES, CLAMPS \$5,000 HOSE REPLACEMENT FOR 3 VACTORS (800') @ \$3.66/FT \$9,000
307	MEMBERSHIP FEES WW CERT RENEWALS (4@ \$160) \$640 PESTICIDE APPLICATORS LICENSE \$175
317	COMPUTER EQUIPMENT NO APPROPRIATIONS REQUESTED
318	COMPUTER SOFTWARE LIGO VEHICLE TRACKING UPGRADE \$2,500
321	TRAVEL, TRAINING & SUBSISTENCE 5 - SHORT SCHOOL CLACKAMAS COMMUNITY COLLEGE (\$225 EACH) \$1,125 4- FALL APWA CONFERENCE 3 NIGHT STAY (REGISTRATION \$1,400 & T&S \$2,000) \$3,400 4- SPRING APWA CONFERENCE 3 NIGHT STAY (REGISTRATION \$1,400 & T&S \$2,000) \$3,400 2 - VACTOR TRAINING @ \$275 \$550 DEPARTMENTAL PROFESSIONAL DEVELOPMENT \$1,300
351	UTILITIES EXPENSE PURCHASE OF FIRE HYDRANT USE PERMITS AND WATER USAGE; IRRIGATION OF WATER QUALITY \$500
361	UNIFORMS & SPECIAL CLOTHING 10 EMPLOYEES @ \$600/EACH \$6,000
419	CHEMICAL & LABORATORY SUPPLIES WEED CONTROL IN DRAINAGE FACILITIES RODEO AND GARLAND \$250
425	DUMPING EXPENSES SWEEPER DEBRIS, LEAF DEBRIS, VACTOR DEBRIS \$150,000
428	FLOOD CONTROL SAND, SANDBAGS, BARRICADES. \$1,500
433	STORM SEWER MAINTENANCE BANK STABILIZATION MATERIALS: \$3,000 PLANTS AND OTHER MATERIALS FOR STREAM ENHANCEMENT PROJECTS \$10,000 PLANTS AND OTHER MATERIALS FOR POND MAINTENANCE PROJECTS \$10,000
461	SPECIAL EXPENSE COMMERCIAL DRIVERS LICENSE RENEWAL \$400
511	PROFESSIONAL SERVICES FILTER MAINTENANCE (11 VAULTS WITH 700 FILTERS @ \$90 EA) \$60,000 VIDEO EQUIPMENT REPAIRS \$9,000 TRAFFIC CONTROL, COVERALL CLEANING, ONE CALL FEES, AND DETECTOR CALIBRATIONS \$5,000 PUBLIC WQ FACILITY REHABS: AND CREEK REHABS WITH NAC PARTICIPATION \$20,000 STORM LOCATES \$45,000 WETLAND MONITORING REPORTS \$7,000 CURTAINS FOR THREE SWEEPERS INSTALLED @ \$1,600/YR \$4,800 BACKYARD HABITAT PROGRAM \$15,500
512	CITY RIGHT OF WAY FEES THIS ACCOUNT WAS ESTABLISHED TO ACCOUNT FOR THE PAYMENT IN LIEU OF 5% FRANCHISE FEES \$310,000 TO THE GENERAL FUND.
551	RENTS AND LEASES TOOL RENTALS (CHIPPER, MINI EXCAVATOR) \$5,000

BP WORKSHEET & JUSTIFICATION

FUND: 513 STORM DRAIN FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0734 STORM DRAINAGE MAINTENANCE

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 15 CAPITAL OUTLAY

641	VEHICLES		38,001		26,500		25,888						
670	ROLLING STOCK				386,850		380,563	68,700		68,700			
671	EQUIPMENT								4,000		4,000		
		708,126	33,825										
TOTAL CLASS: 15 CAPITAL OUTLAY													
		708,126	71,826		413,350		406,451	72,700		72,700			

CLASS: 25 TRANSFERS

801	TRSFER TO GENERAL FD - OVERHEAD		318,887	332,806	360,877		360,877	413,417		413,417			
802	TRSFER TO GENERAL FD-ACCOUNTING		28,616	62,355	79,528		79,528	58,917		58,917			
803	TRSFER TO GENERAL FD-LANDSCAPE		16,043	16,734	17,654		17,654	17,839		17,430			
804	TRSFER - OPERATIONS ADMIN		269,284	254,031	236,520		236,520	289,501		257,139			
805	TRSFER TO G/F BLDG MAINT		14,244	12,398	12,467		12,467	13,512		13,512			
808	TRSFERS TO GIS PGRM (TO ISD FUND 2018-19)		141,672	153,606	152,008		152,008	159,747		160,509			
817	TRSFERS TO GARAGE FUND		128,829	179,812	153,163		153,163	199,733		199,733			
818	TRSFERS TO ISD-ALLOCATED		111,419	137,244	172,565		172,565	166,729		169,918			
819	TRSFERS TO INSURANCE FUND		124,253	124,253	155,316		155,316	155,316		155,316			
TOTAL CLASS: 25 TRANSFERS													
		1,153,247	1,273,239		1,340,098		1,340,098	1,474,711		1,445,891			

CLASS: 30 FUND BAL/CONTINGENCY/RESERVES

972	RESERVE - OPERATIONS FACILITY REPLACMT				109,538			219,538		219,538			
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BP WORKSHEET & JUSTIFICATION

FUND: 513 STORM DRAIN FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0734 STORM DRAINAGE MAINTENANCE

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

641 VEHICLES

670 ROLLING STOCK

REPLACEMENT OF 4-406, 2011 SILVER EAGLE LIGHT DUTY TRAILER WITH FELLING DUMP TRAILER (COSTS INCLUDE TRILAER, SET UP ITEMS, AND LICENSING) \$18,500
 (NOT APPROPRIATE/ AVAILABLE AS EV)
 ADDITIONAL 2020 908M CATERPILLER LOADER (WILL REMOVE HELDOVER BACKHOE 6-507) COST SPLIT 50% STORM, 25% STREET, 25% WATER \$50,200
 (NOT APPROPRIATE/ AVAILABLE AS EV)

671 EQUIPMENT

LIGHT DUTY LOADER BUCKET 2 YARD \$4,000

801 TRSFR TO GENERAL FD - OVERHEAD

ALLOCATION OF OVERHEAD SERVICES PROVIDED BY GENERAL FUND
 14.59% OF FY19-20 BUDGETED PERSONNEL SERVICES TOTAL EXPENDITURES \$413,417

802 TRSFR TO GENERAL FD-ACCOUNTING

ALLOCATION OF ACCOUNTING SERVICES PROVIDED BY THE GENERAL FUND \$58,917

803 TRSFR TO GENERAL FD-LANDSCAPE

ALLOCATION OF LANDSCAPE SERVICES PROVIDED BY THE GENERAL FUND \$17,430

804 TRSFR - OPERATIONS ADMIN

ALLOCATION OF SERVICES PROVIDED BY THE OPERATIONS ADMINISTRATION FUND \$257,139

805 TRSFR TO G/F BLDG MAINT

ALLOCATION OF BUILDING MAINTENANCE SERVICES PROVIDED BY THE GENERAL FUND \$13,512

808 TRSFRS TO GIS PGRM (TO ISD FUND 2018-19)

ALLOCATION OF GEOGRAPHICAL INFORMATION SERVICES \$160,509

817 TRSFRS TO GARAGE FUND

ALLOCATION OF FLEET SERVICES (FUEL AND MAINTENANCE) PROVIDED BY THE GARAGE FUND \$199,733

818 TRSFRS TO ISD-ALLOCATED

ALLOCATION OF SERVICES PROVIDED BY THE INFORMATION SYSTEMS FUND \$104,885
 SOFTWARE MAINTENANCE COSTS - ASSET SYSTEM AND UTILITY BILLING \$62,833
 ENGINEERING SOFTWARE UPGRADES \$2,200

819 TRSFRS TO INSURANCE FUND

ALLOCATION OF CHARGES FOR GENERAL LIABILITY AND PROPERTY INSURANCE. \$155,316

972 RESERVE - OPERATIONS FACILITY REPLACMT

IN FY 2019-20, CITY ESTABLISHED A RESERVE TO BEGIN ACCUMULATING FUNDS FOR THE EVENTUAL REPLACEMENT OF THE OPERATIONS FACILITY COMPLEX (\$500,000 PER YEAR) \$1,000,000 ACCUMULATED BALANCE IS ALLOCATED BASED UPON FTE COUNTS IN DEPARTMENT 85.
 GENERAL FUND \$141,110
 STREET FUND \$265,157
 WATER FUND \$243,734
 SEWER FUND \$130,461
 STORM DRAIN FUND \$219,538
 \$219,538

BP WORKSHEET & JUSTIFICATION

FUND: 513 STORM DRAIN FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0734 STORM DRAINAGE MAINTENANCE

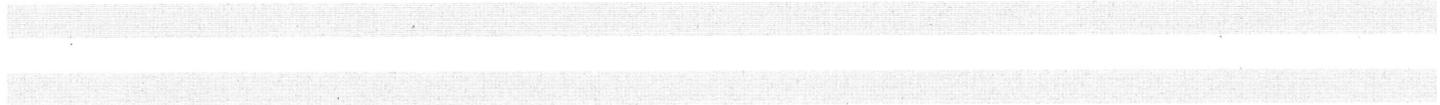
OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED			
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE		
981	RESERVE - STORM SDC CONVEYANCE, CIP 3915				1,954,601			2,473,400		2,476,360					
984	RESERVE - STORM SDC QUALITY, CIP 3917				97,526			107,991		107,864					
985	RESERVE - STORM SDC QUANTITY, CIP 3916				779,713			761,863		761,253					
986	RSRV - DEDICATED SURCHG, CIP 3850 & 3950				73,478			503,126		428,408					
991	CONTINGENCY - UNRESERVED				3,074,874			4,280,381		4,245,508					
996	RESERVE - EQUIPMENT REPLACEMT				973,785			1,077,383		1,077,383					
TOTAL CLASS: 30 FUND BAL/CONTINGENCY/RESERVES					7,063,515			9,423,682		9,316,314					
TOTAL PROGRAM: 0734 STORM DRAINAGE MAINTENANCE					4,005,212	13.65	3,479,318	13.50	11,357,088	14.50	3,973,838	13,511,858	14.50	13,370,670	14.50

BP WORKSHEET & JUSTIFICATION

FUND: 513 STORM DRAIN FUND
DEPT: 85 PUBLIC WORKS - OPERATIONS
PROGRAM: 0734 STORM DRAINAGE MAINTENANCE

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

- 981 RESERVE - STORM SDC CONVEYANCE, CIP 3915
- 984 RESERVE - STORM SDC QUALITY, CIP 3917
- 985 RESERVE - STORM SDC QUANTITY, CIP 3916
- 986 RSRV - DEDICATED SURCHG, CIP 3850 & 3950
- 991 CONTINGENCY - UNRESERVED
- 996 RESERVE - EQUIPMENT REPLACEMT
RESERVE FOR VEHICLE REPLACEMENT \$1,077,383



BP WORKSHEET & JUSTIFICATION

FUND: 513 STORM DRAIN FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0739 STORM DRAINAGE CONSTRUCTION

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 PERSONNEL SERVICES

057	PUBLIC WORKS SUPERVISOR												
											17,186		.25
112	PUBLIC WORKS MANAGER 3												
	28,093	.33	32,108	.33	33,542	.33	33,492	35,994	.33	35,994			.33
170	PUBLIC WORKS LEAD												
	21,243	.33	19,809	.33	47,393	.83	34,248	59,929	.83	59,929			.83
176	PUBLIC WORKS EQUIPMNT OPERATOR												
	35,227	.50	35,306	.50	35,395	.50	33,277	34,743	.50	34,551			.50
177	PUBLIC WORKS TECHNICIAN												
	55,674	1.00	56,740	1.00	61,813	1.00	62,686	64,796	1.00	64,796			1.00
274	SEASONAL WORKFORCE												
					10,000		5,000	10,000		10,000			
299	PAYROLL TAXES AND FRINGES												
	98,816		96,712		129,829		114,259	141,864		155,954			

TOTAL CLASS: 05 PERSONNEL SERVICES

	239,053	2.16	240,675	2.16	317,972	2.66	282,962	347,326	2.66	378,410			2.91
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CLASS: 10 MATERIALS & SERVICES

304	DEPARTMENT EQUIPMENT EXPENSE												
			5,015		5,000		2,500	5,000					5,000
305	SPECIAL DEPARTMENT SUPPLIES												
	3,862		2,681		5,000		4,000	5,000					5,000
307	MEMBERSHIP FEES												
					300		100	300					300
321	TRAVEL, TRAINING & SUBSISTENCE												
	1,199		468		1,700			2,100					2,100
425	DUMPING EXPENSES												
	1,672		1,062		1,200		300	1,000					1,000
434	CONSTRUCTION MATERIALS												
	41,260		35,124		50,000		30,000	32,000					32,000

BP WORKSHEET & JUSTIFICATION

FUND: 513 STORM DRAIN FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0739 STORM DRAINAGE CONSTRUCTION

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

- 057 PUBLIC WORKS SUPERVISOR
- 112 PUBLIC WORKS MANAGER 3
 POSITION FUNDED 34% STREET FUND, 33% STORM DRAIN FUND, AND 33% SEWER FUND.
- 170 PUBLIC WORKS LEAD
 1 FTE PW LEAD IS ALLOCATED 33/34/33 IN STREET / SEWER / STORM FUNDS.
 FY 19-20 REFLECTS A NEW 1 FTE PW LEAD POSITION THAT IS ALLOCATED 50/50 IN SEWER/STORM FUNDS IN THE CONSTRUCTION PROGRAM.
 FY 2019-20 REFLECTS 184 HRS PTO CASH-IN.
- 176 PUBLIC WORKS EQUIPMNT OPERATOR
- 177 PUBLIC WORKS TECHNICIAN
- 274 SEASONAL WORKFORCE
- 299 PAYROLL TAXES AND FRINGES
 PAYROLL TAXES AND FRINGE BENEFITS EXPRESSED AS A PERCENTAGE OF SALARY TOTALS 58.14% AS A CITY-WIDE AVERAGE AND CONSISTS OF THE FOLLOWING:
 34.14% IN PAYROLL TAXES CONSISTING OF 7.65% FICA, AVERAGE OF 23.22% FOR RETIREMENT CONTRIBUTIONS (28.45% PERS. 19.45% OPSRP GENERAL OR 24.08% OPSRP POLICE), AND 3.27% IN OTHER TAXES (UNEMPLOYMENT, LONG TERM DISABILITY, WORKERS COMPENSATION, PEHP, AND TRIMET)
 24.00% AS THE AVERAGE COST OF MEDICAL, DENTAL, LIFE AND AD&D INSURANCES
- 304 DEPARTMENT EQUIPMENT EXPENSE
 CALIBRATION STANDARDS; ATMOSPHERIC TESTER REAGENTS \$1,000
 POWER TOOL REPLACEMENTS AS NEEDED \$3,000
 CONCRETE PIPE SNAPPER \$500
 BATTERY POWERED CUT OFF SAW \$500
- 305 SPECIAL DEPARTMENT SUPPLIES
 REPLACEMENT BLADES; CUTTING CHAINS AND SAW PARTS
 EROSION CONTROL (CB SILT SACKS, COIR LOGS . . .)
 TRAFFIC CONTROL, BARRICADES, STEEL PLATES \$5,000
- 307 MEMBERSHIP FEES
 CERT TESTING FEES, CDL LICENSES RENEW \$300
- 321 TRAVEL, TRAINING & SUBSISTENCE
 WITH ADDITION OF LEAD POSITION- 4 TOTAL TEAM MEMBERS
 1 - APWA CONFERENCE REDMOND WITH 3 NIGHT STAY (\$350 REGISTRATION + \$450 T&S) \$800
 1 - VACTOR TRAINING \$500
 1 - APWA CONFERENCE NEWPORT WITH 3 NIGHT STAY (\$350 REGISTRATION + \$450 T&S) \$800
- 425 DUMPING EXPENSES
 LANDFILL DEBRIS DISPOSAL \$1,000
- 434 CONSTRUCTION MATERIALS
 28 CATCH BASIN REHABILITATIONS @ \$750 EACH \$21,000
 VAULT AND MANHOLE STRUCTURE REPAIRS 2 @ \$4,000 EACH \$8,000
 PIPE REPAIRS (5 @ \$600 EACH) \$3,000

City of Beaverton - Finance
 Budget Preparation - 2021

BP WORKSHEET & JUSTIFICATION

FUND: 513 STORM DRAIN FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0739 STORM DRAINAGE CONSTRUCTION

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
511	PROFESSIONAL SERVICES												
	43,323		64,477		96,250		80,000	77,250		77,250			
551	RENTS AND LEASES												
	1,269		131		1,500		500	1,500		1,500			
TOTAL CLASS: 10 MATERIALS & SERVICES													
	92,585		108,958		160,950		117,400	124,150		124,150			
CLASS: 15 CAPITAL OUTLAY													
641	VEHICLES												
					68,000		70,947						
670	ROLLING STOCK												
					180,000		176,067						
671	EQUIPMENT												
	33,011												
TOTAL CLASS: 15 CAPITAL OUTLAY													
	33,011				248,000		247,014						
CLASS: 25 TRANSFERS													
817	TRSFERS TO GARAGE FUND												
	24,816		19,590		29,593		29,593	24,154		24,154			
TOTAL CLASS: 25 TRANSFERS													
	24,816		19,590		29,593		29,593	24,154		24,154			
TOTAL PROGRAM: 0739 STORM DRAINAGE CONSTRUCTION													
	389,465	2.16	369,223	2.16	756,515	2.66	676,969	495,630	2.66	526,714	2.91		
TOTAL DEPARTMENT: 85 PUBLIC WORKS - OPERATIONS													
	4,394,677	15.81	3,848,541	15.66	12,113,603	17.16	4,650,807	14,007,488	17.16	13,897,384	17.41		
TOTAL FUND: 513 STORM DRAIN FUND													
	5,628,630	20.17	6,721,228	20.95	18,231,910	22.45	8,463,862	17,484,281	22.45	17,318,661	22.70		

BP WORKSHEET & JUSTIFICATION

FUND: 513 STORM DRAIN FUND
DEPT: 85 PUBLIC WORKS - OPERATIONS
PROGRAM: 0739 STORM DRAINAGE CONSTRUCTION

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

- 511 PROFESSIONAL SERVICES
 - MANHOLE ADJUSTMENT AND SEALING: AS IDENTIFIED BY INSPECTIONS AND OVERLAYS25 @ \$2,250 \$56,250
 - TRAFFIC CONTROL, CORE DRILLING AND CLEANING COVERALLS \$5,000
 - TRUCKING 40 HOURS @ \$125 PER HOUR \$5,000
 - PORTABLE RESTROOM SERVICING, STREET CUTTING \$1,000
 - TRAFFIC CONTROL FOR MANHOLE ADJUSTMENTS \$10,000
- 551 RENTS AND LEASES
 - MISCELLANEOUS EQUIPMENT, SHORING AND STEEL PLATES, LIGHTING \$1,500

- 641 VEHICLES
 - NO NEW VEHICLES FOR 20/21
- 670 ROLLING STOCK
 - NO NEW ROLLING STOCK FOR 20/21
- 671 EQUIPMENT
 - NO NEW EQUIPMENT FOR 20/21

- 817 TRSFERS TO GARAGE FUND
 - FLEET SERVICE PROVIDED BY THE GARAGE FUND \$24,154

ESTIMATE - PAYROLL EXPENSE BY DEPARTMENT

Saturday, April 25, 2020 9:06 AM

ACCOUNT	TITLE	FTE	REG HRS	OT HRS	HIL HRS	REG PAY	OT PAY	HIL PAY	ADD PAY	SALARY	FBAMT	TOT AMT
513-72	CAPITAL DEVELOPMNT-ENGINEERING											
513-72-0740-05-046	PRINCIPAL ENGINEER	0.25	619			40,462				40,463	19,811	60,274
513-72-0740-05-051	CITY ENGINEER	0.33	563			35,820				35,821	19,417	55,238
513-72-0740-05-068	ENGINEERING ASSOCIATE	1.00	1,571	1		50,017	45		405	50,471	22,300	72,771
513-72-0740-05-084	PROJECT ENGINEER 1	1.10	2,219			107,649				107,649	69,702	177,351
513-72-0740-05-123	ENGINEERING TECH 2		110			3,931			398	4,330	2,980	7,310
513-72-0740-05-221	SUPPORT SPECIALIST 2	0.25	429	5		10,845	185			11,033	8,054	19,087
513-72-0740-05-294	PROJECT SPECIALIST	0.25	415			14,335				14,335	9,638	23,973
	ENTERPRISE MGMT & ADMIN	3.18	5,927	6		263,058	230		803	264,102	151,902	416,004
	**** DEPARTMENT TOTAL ****	3.18	5,927	6		263,058	230		803	264,102	151,902	416,004

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PROPOSE - PAYROLL EXPENSE BY DEPARTMENT

Saturday, April 25, 2020 9:07 AM

ACCOUNT	TITLE	FTE	REG HRS	OT HRS	HIL HRS	REG PAY	OT PAY	HIL PAY	ADD PAY	SALARY	FBAMT	TOT AMT
513-72	CAPITAL DEVELOPMNT-ENGINEERING											
513-72-0740-05-046	PRINCIPAL ENGINEER	0.25	522			35,010				35,010	18,735	53,745
513-72-0740-05-051	CITY ENGINEER	0.33	688			40,250				40,250	23,025	63,275
513-72-0740-05-068	ENGINEERING ASSOCIATE	1.00	2,088	40		71,511	2,014		270	73,795	32,276	106,071
513-72-0740-05-084	PROJECT ENGINEER 1	1.10	2,383			117,677				117,677	77,324	195,001
513-72-0740-05-221	SUPPORT SPECIALIST 2	0.25	522	10		13,559	380			13,939	12,206	26,145
513-72-0740-05-294	PROJECT SPECIALIST	0.25	522			18,500				18,500	12,819	31,319
	ENTERPRISE MGMT & ADMIN	3.18	6,725	50		296,507	2,394		270	299,171	176,385	475,556
	**** DEPARTMENT TOTAL ****	3.18	6,725	50		296,507	2,394		270	299,171	176,385	475,556

374

ESTIMATE - PAYROLL EXPENSE BY DEPARTMENT

Saturday, April 25, 2020 9:06 AM

ACCOUNT	TITLE	FTE	REG HRS	OT HRS	HIL HRS	REG PAY	OT PAY	HIL PAY	ADD PAY	SALARY	FBAMT	TOT AMT
513-85	PUBLIC WORKS - OPERATIONS											
513-85-0734-05-049	PROG COORDINATOR -PUBLIC	1.00	2,096	45		68,620	2,186		270	71,076	42,070	113,146
513-85-0734-05-057	PUBLIC WORKS SUPERVISOR	0.50	1,050			35,758				35,758	25,336	61,094
513-85-0734-05-112	PUBLIC WORKS MANAGER 3	0.50	1,105			52,489				52,491	38,246	90,737
513-85-0734-05-124	ENGINEERING CONST INSPECTOR	1.00	2,176	7		78,562	365		270	79,197	40,625	119,822
513-85-0734-05-170	PUBLIC WORKS LEAD	2.50	5,340	6		190,652	284		675	191,607	152,013	343,620
513-85-0734-05-176	PUBLIC WORKS EQUIPMNT	4.00	8,438	66		262,075	3,029		1,080	266,184	202,284	468,468
513-85-0734-05-177	PUBLIC WORKS TECHNICIAN	5.00	8,975			241,617			1,080	242,697	145,322	388,019
513-85-0734-05-274	SEASONAL WORKFORCE		3,171	2		56,974	26		17	57,017	12,826	69,843
513-85-0734-05-275	TEMPORARY EMPLOYEES		266			4,772				4,772	1,345	6,117
	STORM DRAINAGE MAINTENANCE	14.50	32,617	126		991,519	5,890		3,392	1,000,799	660,067	1,660,866
375 513-85-0739-05-112	PUBLIC WORKS MANAGER 3	0.33	691			33,492				33,492	20,870	54,362
513-85-0739-05-170	PUBLIC WORKS LEAD	0.83	1,012	17		33,331	826		89	34,248	21,352	55,600
513-85-0739-05-176	PUBLIC WORKS EQUIPMNT	0.50	1,057	5		32,949	193		135	33,277	24,161	57,438
513-85-0739-05-177	PUBLIC WORKS TECHNICIAN	1.00	2,098	31		61,064	1,352		270	62,686	47,416	110,102
513-85-0739-05-274	SEASONAL WORKFORCE		278			4,996			4	5,000	460	5,460
	STORM DRAINAGE CONSTRUCTION	2.66	5,136	53		165,832	2,371		498	168,703	114,259	282,962
	**** DEPARTMENT TOTAL ****	17.16	37,753	179		1,157,350	8,261		3,890	1,169,502	774,326	1,943,828

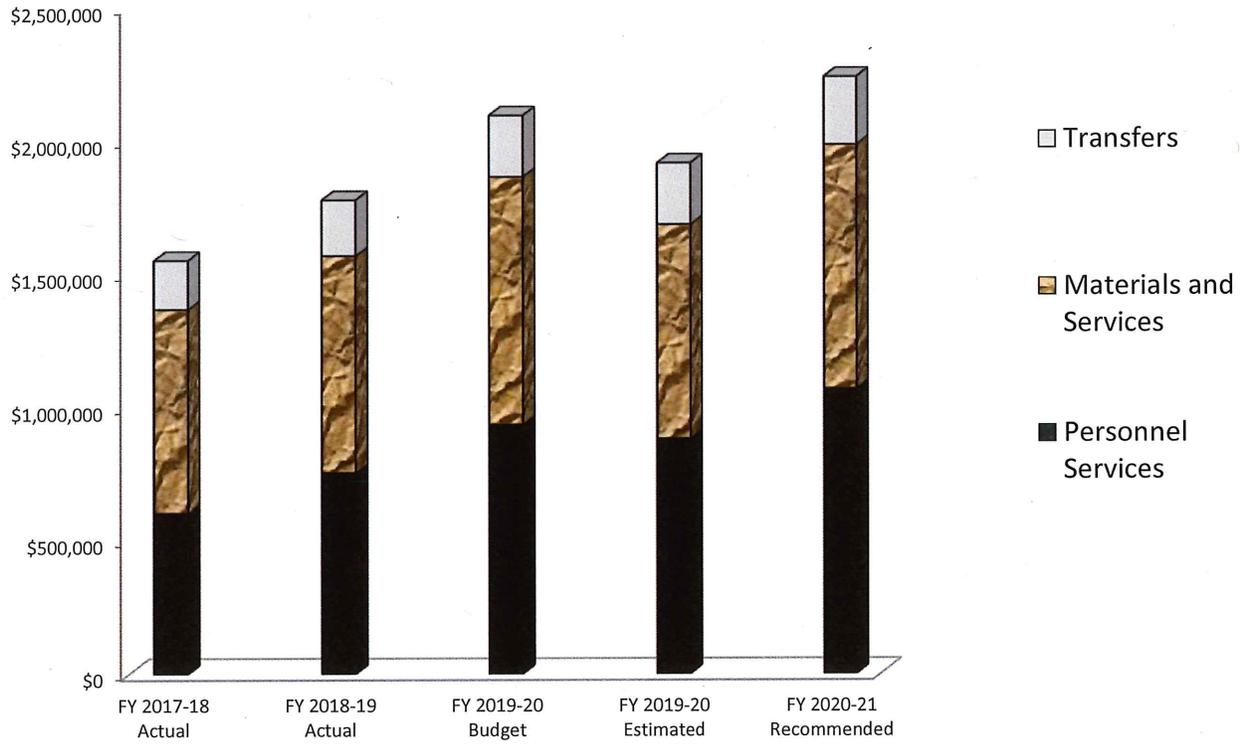
PROPOSE - PAYROLL EXPENSE BY DEPARTMENT

Saturday, April 25, 2020 9:07 AM

ACCOUNT	TITLE	FTE	REG HRS	OT HRS	HIL HRS	REG PAY	OT PAY	HIL PAY	ADD PAY	SALARY	FBAMT	TOT AMT
513-85	PUBLIC WORKS - OPERATIONS											
513-85-0734-05-049	PROG COORDINATOR -PUBLIC	1.00	2,088			73,638			270	73,908	45,681	119,589
513-85-0734-05-057	PUBLIC WORKS SUPERVISOR	0.50	1,044			38,363				38,363	27,581	65,944
513-85-0734-05-112	PUBLIC WORKS MANAGER 3	0.50	1,104			56,646				56,646	41,026	97,672
513-85-0734-05-124	ENGINEERING CONST INSPECTOR	1.00	2,168			80,311				80,311	42,785	123,096
513-85-0734-05-170	PUBLIC WORKS LEAD	2.50	5,400	80		199,455	4,446		675	204,576	160,678	365,254
513-85-0734-05-176	PUBLIC WORKS EQUIPMNT	4.00	8,472			271,084			1,080	272,164	210,504	482,668
513-85-0734-05-177	PUBLIC WORKS TECHNICIAN	5.00	10,440			292,331			1,350	293,681	196,661	490,342
513-85-0734-05-274	SEASONAL WORKFORCE		4,173			74,989			11	75,000	6,360	81,360
513-85-0734-05-275	TEMPORARY EMPLOYEES											0
	STORM DRAINAGE MAINTENANCE	14.50	34,889	80		1,086,817	4,446		3,386	1,094,649	731,276	1,825,925
376 513-85-0739-05-057	PUBLIC WORKS SUPERVISOR	0.25	522			17,186				17,186	14,106	31,292
513-85-0739-05-112	PUBLIC WORKS MANAGER 3	0.33	688			35,994				35,994	22,185	58,179
513-85-0739-05-170	PUBLIC WORKS LEAD	0.83	1,732	17		58,832	873		224	59,929	43,043	102,972
513-85-0739-05-176	PUBLIC WORKS EQUIPMNT	0.50	1,044	21		33,408	1,008		135	34,551	25,601	60,152
513-85-0739-05-177	PUBLIC WORKS TECHNICIAN	1.00	2,088	50		62,288	2,238		270	64,796	50,110	114,906
513-85-0739-05-274	SEASONAL WORKFORCE		556			9,991			9	10,000	909	10,909
	STORM DRAINAGE CONSTRUCTION	2.91	6,630	88		217,699	4,119		638	222,456	155,954	378,410
	**** DEPARTMENT TOTAL ****	17.41	41,519	168		1,304,516	8,565		4,024	1,317,105	887,230	2,204,335

GARAGE FUND

RECOMMENDED FY 20-21



CITY OF BEAVERTON

BUDGET TREND ANALYSIS - FY 2017-18 TO FY 2020-21

With Explanations on Significant Changes between Budgeted 2019-20 and Recommended 2020-21

Fund:	Garage					% Change
CLASS	Actual FY 2017-18	Actual FY 2018-19	Budget FY 2019-20	Estimated FY 2019-20	Recommended FY 2020-21	Budgeted Vs. Recommended
Personnel Services	\$602,853	\$754,310	\$934,800	\$881,428	\$1,069,588	14.42%
Materials and Services	764,897	813,593	928,944	803,690	914,247	-1.58%
Transfers	183,223	209,478	230,104	230,104	254,127	10.44%
SUB-TOTAL	\$1,550,973	\$1,827,146	\$2,093,848	\$1,915,222	\$2,328,962	
Contingency			59,591		86,454	
TOTAL	\$1,550,973	\$1,827,146	\$2,153,439	\$1,915,222	\$2,415,416	
FTE's	6.00	8.00	8.00		9.00	

Explanation of item(s) that are significant (10% and greater than \$10,000):

Personnel services:

FY 2020-21 reflects an increase of 1.0 FTE for a Fleet Services Technician. Budget also includes step increases, COLA increases for SEIU and management at 2.60%. Also shown are medical insurance cost increase of 10% for Kaiser, 5% increase in MODA plans and 0% increase for Dental.

Materials and services:

No significant change

Transfers:

No significant change

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET

FUND: 602 GARAGE	DEPARTMENT: PUBLIC WORKS
DEPARTMENT HEAD: CHAD LYNN	

MISSION STATEMENT:

To provide high quality and efficient vehicle maintenance, repair and procurement services for the City's fleet of vehicles. Establish and achieve high standards for vehicle reliability, appearance, longevity and performance.

The primary source of revenue is inter-fund charges for maintenance and upkeep of vehicles and equipment.

REQUIREMENTS	FY 2017-18 ACTUAL	FY 2018-19 ACTUAL	FY 2019-20 BUDGETED	FY 2020-21 PROPOSED	FY 2020-21 ADOPTED
POSITION	6.00	8.00	8.00	9.00	0.00
PERSONNEL SERVICES	\$602,853	\$754,310	\$934,800	\$1,069,588	\$0
MATERIALS & SERVICES	764,897	813,593	928,944	914,247	0
CAPITAL OUTLAY	0	49,765	0	91,000	0
TRANSFERS	183,223	209,478	230,104	254,127	0
CONTINGENCY	0	0	59,591	86,454	0
TOTAL	\$1,550,973	\$1,827,146	\$2,153,439	\$2,415,416	\$0

Funding Sources:	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2020-21
Beginning Working Capital	\$103,315	\$165,079	\$283,960	\$259,527	\$0
Miscellaneous Revenues	44,670	14,997	4,000	2,100	0
Operating Transfers	1,568,065	1,931,029	1,865,479	2,153,789	0

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET
CURRENT LEVEL OF SERVICES

FUND: 602 GARAGE	DEPARTMENT: PUBLIC WORKS
PROGRAM: 0762 FLEET MAINTENANCE	PROGRAM MANAGER: MIKE STERLE

Program Goal:

To provide a safe and reliable fleet of vehicles for use by city employees through the use of a comprehensive preventive maintenance program. Provide specialized support to fleet vehicle users when necessary to assure that well designed and properly equipped vehicles are regularly available for use. Convert the city's vehicle fleet to utilize a combination of renewable and domestically produced fuels (Propane auto gas, Renewable-diesel, Electric, and Electric Hybrid).

Program Objective:	FY 2017-18 Actual	FY 2018-19 Actual	FY 2019-20 Budgeted/Revised	FY 2020-21 Proposed
Number of Fleet Vehicles Maintained	218	222	220 / 221	227
Number of Equipment Units Maintained (Includes Off Highway, Trailers, Attachments, Vehicles over 26,000 GVWR)	133	132	135 / 140	145
Number of Small Equipment Units Maintained (Includes all 900 series numbered assets, Non- roadable) (New Measure)	195	213	213 / 221	229
Number of Vehicles Requiring DEQ Inspection	203	206	207 / 204	210
Labor Hours For Unscheduled Repairs	1,178	1,302	1,350 / 1,370	1,400

Performance Measures:	FY 2017-18 Actual	FY 2018-19 Actual	FY 2019-20 Budgeted/Revised	FY 2020-21 Proposed
Number of Fleet Vehicles/Equipment per Mechanic	87.7	86.7	87.5 / 90.2	93.0
Number of DEQ Inspections Completed (Discontinued Measure)	67	83	61 / 58	N/A
Total Number of Jobs Completed from all Work Orders	5,190	4,342	5,150 / 5,842	5,950
Average Number of Work Orders per Vehicles / Equipment	15.2	12.5	14.7 / 16.2	16.0
Average Number of Preventative Maintenance Services Performed	1,240	966	1,500 / 812	1,200
Number Of Hybrid/Electric Vehicles/ Equipment (New Measure)			19	35

CITY OF BEAVERTON, OREGON
 FISCAL YEAR 2020-21 BUDGET
 CURRENT LEVEL OF SERVICES

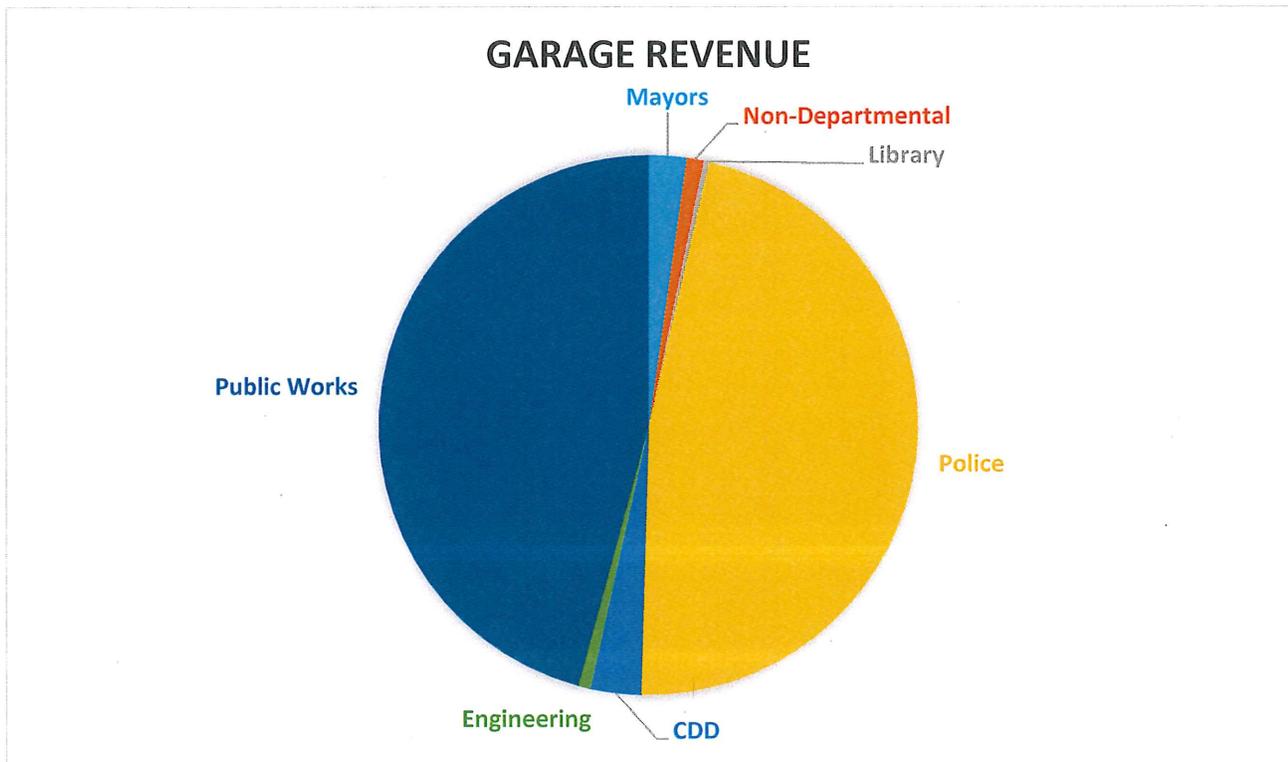
FUND: 602 GARAGE	DEPARTMENT: PUBLIC WORKS
PROGRAM: 0762 FLEET MAINTENANCE	PROGRAM MANAGER: MIKE STERLE

Performance Outcomes and Program Trends:

Achieve high levels of vehicle performance and reliability with the intent to eliminate unscheduled vehicle and equipment out-of-service time due to problems that can be anticipated. Establish a fleet profile that maintains an effective balance of newer vehicles requiring limited repairs and older vehicles with higher maintenance costs. The number of FTE is not keeping pace with the increasing size and complexity of the fleet, which may cause issues in the future. Use of the new fleet maintenance software will increase data analysis abilities and hopefully identify efficiency and effectiveness improvements.

The Fleet Maintenance program is funded by inter-fund transfers. The transfers are based on the number of vehicles supported and fuel used. The largest sources of transfers are the Police Department, Street Maintenance, Sewer System Maintenance and Storm Drainage Maintenance.

Garage Fund revenue by department:



BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 602 GARAGE FUND

DEPT: 03 REVENUE

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 BEGINNING WORKING CAPITAL

301 BEGINNING WORKING CAPITAL

	-103,315		-165,079		-283,960		-283,960	-283,960	-189,079		-259,527			
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TOTAL CLASS: 05 BEGINNING WORKING CAPITAL

	-103,315		-165,079		-283,960		-283,960	-283,960	-189,079		-259,527			
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CLASS: 35 MISCELLANEOUS REVENUES

382 382 SALE OF CITY OR BURA PROPERTY

	-37,778		-11,409				-21,110	-21,110						
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384 INVESTMENT INTEREST EARNINGS

	-2,085		-1,422		-3,900		-3,310	-4,200	-3,000		-2,100			
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389 MISCELLANEOUS REVENUES

	-2,545		-606		-100									
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399 REIMBURSEMENTS - OTHER

	-50		-164											
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757 MED/LIFE INS PREM REFUND DISTRIBUTION

	-2,212		-1,396											
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TOTAL CLASS: 35 MISCELLANEOUS REVENUES

	-44,670		-14,997		-4,000		-24,420	-25,310	-3,000		-2,100			
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CLASS: 40 INTERFUND TRANSFERS/LOANS

411 TRSFERS FROM GENERAL FUND

	-907,338		-1,091,544		-1,079,225		-587,827	-1,079,225	-1,207,634		-1,207,180			
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412 TRSFERS FROM STREET FUND

	-207,227		-289,141		-266,067		-154,471	-266,067	-341,584		-341,584			
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419 TRSFERS FROM WATER FUND

	-112,814		-123,244		-134,214		-96,572	-134,214	-149,816		-149,816			
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421 TRSFERS FROM SEWER FUND

	-123,957		-156,272		-147,652		-73,324	-147,652	-169,641		-169,641			
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428 TRSFR FR BUILDING OPERATING FD

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 602 GARAGE FUND

DEPT: 03 REVENUE

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
	-41,057		-38,520		-48,863		-28,472	-48,863	-46,431		-46,431			
430	TRANSFER FROM LIBRARY FUND													
	-5,635		-12,852		-6,702		-8,728	-6,702	-15,250		-15,250			
440	TRSFERS FR STREET LIGHTING FUND													
	-16,392		-20,054											
441	TRSFERS FR STORM DRAIN FUND													
	-153,645		-199,402		-182,756		-113,156	-182,756	-223,887		-223,887			
TOTAL CLASS: 40 INTERFUND TRANSFERS/LOANS														
	-1,568,065		-1,931,029		-1,865,479		-1,062,550	-1,865,479	-2,154,243		-2,153,789			
TOTAL DEPARTMENT: 03 REVENUE														
	-1,716,050		-2,111,105		-2,153,439		-1,370,930	-2,174,749	-2,346,322		-2,415,416			

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 602 GARAGE FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 PERSONNEL SERVICES

049 PROG COORDINATOR -PUBLIC WORKS

			53,473	1.00	73,927	1.00	58,401	74,186	84,790	1.00	81,698	1.00		
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136 FLEET MANAGER

	96,443	1.00	98,671	1.00	111,590	1.00	87,362	111,684	118,253	1.00	118,253	1.00		
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155 MECHANIC LEAD

	63,434	1.00	53,928	1.00	65,010	1.00	49,594	65,508	71,438	1.00	70,862	1.00		
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163 MECHANIC 2

	124,961	2.00	93,906	2.00	127,893	2.00	79,683	109,351	138,667	2.00	137,133	2.00		
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188 INVENTORY CONTROL TECHNICIAN

			44,211	1.00	58,417	1.00	47,306	61,321	67,444	1.00	63,438	1.00		
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195 MECHANIC 1

	97,575	2.00	90,678	2.00	106,358	2.00	80,723	104,932	114,519	2.00	162,542	3.00		
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275 TEMPORARY EMPLOYEES

	3,908		15,895											
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299 PAYROLL TAXES AND FRINGES

	216,532		303,548		391,605		281,382	354,446	390,753		435,662			
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TOTAL CLASS: 05 PERSONNEL SERVICES

	602,853	6.00	754,310	8.00	934,800	8.00	684,451	881,428	985,864	8.00	1,069,588	9.00		
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CLASS: 10 MATERIALS & SERVICES

304 DEPARTMENT EQUIPMENT EXPENSE

	12,502		51,127		19,600		8,658	8,552	15,000		24,700			
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305 SPECIAL DEPARTMENT SUPPLIES

	21,447		20,060		21,000		18,598	22,500	23,000		23,000			
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306 NON-FLEET EQUIPMENT

	1,156		1,563		2,000			1,000	2,000		2,000			
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307 MEMBERSHIP FEES

	724		300		920		300	920	920		920			
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308 PERIODICALS & SUBSCRIPTIONS

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 602 GARAGE FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
					200		94	94	200		200			
317	COMPUTER EQUIPMENT													
	661		1,303				16		929		929			
321	TRAVEL, TRAINING & SUBSISTENCE													
	7,402		12,871		15,400		8,465	14,000	15,000		15,000			
331	VEHICLE EXPENSE													
	127,207		108,440		185,500		129,313	155,000	196,000		196,000			
332	VEHICLE FUEL													
	390,448		431,403		450,000		425,000	400,000	460,000		410,000			
361	UNIFORMS & SPECIAL CLOTHING													
			5,046		6,000		3,864	6,000	6,000		6,500			
371	EQUIPMENT OPER & MAINT EXPENSE													
	85,790		65,717		107,700		57,809	80,000	114,000		114,000			
481	OTHER EXPENSES													
	362		1,257		624		40	624	648		998			
511	PROFESSIONAL SERVICES													
	117,198		114,506		120,000		85,974	115,000	120,000		120,000			
TOTAL CLASS: 10 MATERIALS & SERVICES														
	764,897		813,593		928,944		738,131	803,690	953,697		914,247			
CLASS: 15 CAPITAL OUTLAY														
671	EQUIPMENT													
			49,765						91,000		91,000			
TOTAL CLASS: 15 CAPITAL OUTLAY														
			49,765						91,000		91,000			
CLASS: 25 TRANSFERS														
804	TRSFR - OPERATIONS ADMIN													
	86,072		106,201		110,266		91,888	110,266	134,966		132,927			
805	TRSFR TO G/F BLDG MAINT													

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 602 GARAGE FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
	4,454		4,335		4,596		3,830	4,596	6,299		6,299			
818	TRSFERS TO ISD-ALLOCATED													
	45,699		51,944		56,495		47,079	56,495	54,750		56,154			
819	TRSFERS TO INSURANCE FUND													
	46,998		46,998		58,747		48,956	58,747	58,747		58,747			
TOTAL CLASS: 25 TRANSFERS														
	183,223		209,478		230,104		191,753	230,104	254,762		254,127			
CLASS: 30 FUND BAL/CONTINGENCY/RESERVES														
991 CONTINGENCY - UNRESERVED														
					59,591				60,999		86,454			
TOTAL CLASS: 30 FUND BAL/CONTINGENCY/RESERVES														
					59,591				60,999		86,454			
TOTAL DEPARTMENT: 85 PUBLIC WORKS - OPERATIONS														
	1,550,973	6.00	1,827,146	8.00	2,153,439	8.00	1,614,335	1,915,222	2,346,322	8.00	2,415,416	9.00		

386

**GARAGE FUND
FY 2019-20 ADOPTED**

Code	Position Title	Actual FY 18-19	Adopted FY 19-20	New	Transfer	Reclass	Deleted	Ending FY 19-20
49	PROG COORDINATOR -PUBLIC WORKS	1.00	1.00					1.00
136	FLEET MANAGER	1.00	1.00					1.00
155	MECHANIC LEAD	1.00	1.00					1.00
163	MECHANIC 2	2.00	2.00					2.00
188	INVENTORY CONTROL TECHNICIAN	1.00	1.00					1.00
195	MECHANIC 1	2.00	2.00					2.00
	Total	8.00	8.00	0.00	0.00	0.00	0.00	8.00

FY 2020-21 PROPOSED

Code	Position Title	Ending FY 19-20	New	Transfer	Reclass	Deleted	Proposed FY 20-21
49	PROG COORDINATOR -PUBLIC WORKS	1.00					1.00
136	FLEET MANAGER	1.00					1.00
155	MECHANIC LEAD	1.00					1.00
163	MECHANIC 2	2.00					2.00
188	INVENTORY CONTROL TECHNICIAN	1.00					1.00
195	MECHANIC 1	2.00	1.00 ^a				3.00
	Total	8.00	1.00	0.00	0.00	0.00	9.00

^a FY 2020-21 proposes a new 1 FTE Mechanic 1 position.

City of Beaverton - Finance
 Budget Preparation - 2021

BP WORKSHEET & JUSTIFICATION

FUND: 602 GARAGE FUND
 DEPT: 03 REVENUE
 PROGRAM: 0000 UNRESTRICTED

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 BEGINNING WORKING CAPITAL

301	BEGINNING WORKING CAPITAL												
		103,315	165,079		283,960		283,960	189,079		259,527			

TOTAL CLASS: 05 BEGINNING WORKING CAPITAL

		103,315	165,079		283,960		283,960	189,079		259,527			
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CLASS: 35 MISCELLANEOUS REVENUES

382	SALE OF CITY OR BURA PROPERTY						21,110						
		37,778	11,409										
384	INVESTMENT INTEREST EARNINGS				3,900		4,200	3,000		2,100			
		2,085	1,422										

389	MISCELLANEOUS REVENUES				100								
		2,545	606										

399	REIMBURSEMENTS - OTHER												
		50	164										

757	MED/LIFE INS PREM REFUND DISTRIBUTION												
		2,212	1,396										

TOTAL CLASS: 35 MISCELLANEOUS REVENUES

		44,670	14,997		4,000		25,310	3,000		2,100			
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CLASS: 40 INTERFUND TRANSFERS/LOANS

411	TRSFERS FROM GENERAL FUND				1,079,225		1,079,225	1,207,634		1,207,180			
		907,338	1,091,544										
412	TRSFERS FROM STREET FUND				266,067		266,067	341,584		341,584			
		207,227	289,141										
419	TRSFERS FROM WATER FUND				134,214		134,214	149,816		149,816			
		112,814	123,244										
421	TRSFERS FROM SEWER FUND				147,652		147,652	169,641		169,641			
		123,957	156,272										
428	TRSFER FR BUILDING OPERATING FD				48,863		48,863	46,431		46,431			
		41,057	38,520										
430	TRANSFER FROM LIBRARY FUND				6,702		6,702	15,250		15,250			
		5,635	12,852										
440	TRSFERS FR STREET LIGHTING FUND												
		16,392	20,054										
441	TRSFERS FR STORM DRAIN FUND				182,756		182,756	223,887		223,887			
		153,645	199,402										

BP WORKSHEET & JUSTIFICATION

FUND: 602 GARAGE FUND
 DEPT: 03 REVENUE
 PROGRAM: 0000 UNRESTRICTED

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

301 BEGINNING WORKING CAPITAL
 BEGINNING WORKING CAPITAL

382 SALE OF CITY OR BURA PROPERTY
 PROCEEDS FROM SALE OF SURPLUS PROPERTY

384 INVESTMENT INTEREST EARNINGS
 INTEREST EARNINGS IS BASED ON AVAILABLE CASH BALANCES AND INTEREST RATES:
 FY 16-17 BUDGETED INTEREST EARNINGS ARE BASED UPON .55%
 FY 17-18 BUDGETED INTEREST EARNINGS ARE BASED UPON 1.10%
 FY 18-19 BUDGETED INTEREST EARNINGS ARE BASED UPON 1.75%
 FY 19-20 BUDGETED INTEREST EARNINGS ARE BASED UPON 3.00% FY 20-21 BUDGETED INTEREST EARNINGS ARE BASED
 UPON 1.40% \$2,100

389 MISCELLANEOUS REVENUES

399 REIMBURSEMENTS - OTHER

757 MED/LIFE INS PREM REFUND DISTRIBUTION
 MODA MEDICAL INSURANCE PREMIUM EXPERIENCE REBATE DISTRIBUTION TO OPERATING FUNDS

411 TRSFERS FROM GENERAL FUND
 CHARGES FOR FLEET SERVICES (FUEL & REPAIRS) \$1,207,180

412 TRSFERS FROM STREET FUND
 CHARGES FOR FLEET SERVICES (FUEL & REPAIRS) \$341,584

419 TRSFERS FROM WATER FUND
 CHARGES FOR FLEET SERVICES (FUEL & REPAIRS) \$149,816

421 TRSFERS FROM SEWER FUND
 CHARGES FOR FLEET SERVICES (FUEL & REPAIRS) \$169,641

428 TRSFR FR BUILDING OPERATING FD
 CHARGES FOR FLEET SERVICES (FUEL & REPAIRS) \$46,431

430 TRANSFER FROM LIBRARY FUND
 CHARGES FOR FLEET SERVICES (FUEL & REPAIRS) \$15,250

440 TRSFERS FR STREET LIGHTING FUND
 CHARGES FOR FLEET SERVICES (FUEL & REPAIRS)

441 TRSFERS FR STORM DRAIN FUND
 CHARGES FOR FLEET SERVICES (FUEL & REPAIRS) \$223,887

BP WORKSHEET & JUSTIFICATION

FUND: 602 GARAGE FUND
 DEPT: 03 REVENUE
 PROGRAM: 0000 UNRESTRICTED

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

TOTAL CLASS: 40 INTERFUND TRANSFERS/LOANS

	1,568,065		1,931,029		1,865,479		1,865,479	2,154,243		2,153,789			
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TOTAL PROGRAM: 0000 UNRESTRICTED

	1,716,050		2,111,105		2,153,439		2,174,749	2,346,322		2,415,416			
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TOTAL DEPARTMENT: 03 REVENUE

	1,716,050		2,111,105		2,153,439		2,174,749	2,346,322		2,415,416			
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City of Beaverton - Finance
Budget Preparation - 2021

BP WORKSHEET & JUSTIFICATION

FUND: 602 GARAGE FUND
DEPT: 03 REVENUE
PROGRAM: 0000 UNRESTRICTED

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

City of Beaverton - Finance
 Budget Preparation - 2021

BP WORKSHEET & JUSTIFICATION

FUND: 602 GARAGE FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0762 FLEET MAINTENANCE

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 PERSONNEL SERVICES

049	PROG COORDINATOR -PUBLIC WORKS												
			53,473	1.00	73,927	1.00	74,186	84,790	1.00	81,698	1.00		
136	FLEET MANAGER												
	96,443	1.00	98,671	1.00	111,590	1.00	111,684	118,253	1.00	118,253	1.00		
155	MECHANIC LEAD												
	63,434	1.00	53,928	1.00	65,010	1.00	65,508	71,438	1.00	70,862	1.00		
163	MECHANIC 2												
	124,961	2.00	93,906	2.00	127,893	2.00	109,351	138,667	2.00	137,133	2.00		
188	INVENTORY CONTROL TECHNICIAN												
			44,211	1.00	58,417	1.00	61,321	67,444	1.00	63,438	1.00		
195	MECHANIC 1												
	97,575	2.00	90,678	2.00	106,358	2.00	104,932	114,519	2.00	162,542	3.00		
275	TEMPORARY EMPLOYEES												
	3,908		15,895										
299	PAYROLL TAXES AND FRINGES												
	216,532		303,548		391,605		354,446	390,753		435,662			

TOTAL CLASS: 05 PERSONNEL SERVICES

	602,853	6.00	754,310	8.00	934,800	8.00	881,428	985,864	8.00	1,069,588	9.00		
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CLASS: 10 MATERIALS & SERVICES

304	DEPARTMENT EQUIPMENT EXPENSE												
	12,502		51,127		19,600		8,552	15,000		24,700			
305	SPECIAL DEPARTMENT SUPPLIES												
	21,447		20,060		21,000		22,500	23,000		23,000			
306	NON-FLEET EQUIPMENT												
	1,156		1,563		2,000		1,000	2,000		2,000			
307	MEMBERSHIP FEES												
	724		300		920		920	920		920			
308	PERIODICALS & SUBSCRIPTIONS												
					200		94	200		200			

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

049 PROG COORDINATOR -PUBLIC WORKS

136 FLEET MANAGER

FY 2019-20 AND FY 2020-21 REFLECT 120 HRS PTO CASH-IN.
 FY 2019-20 ESTIMATE AND FY 2020-21 REFLECT POSITION'S SALARY GRADE INCREASED FROM 13 TO 14
 PER AGENDA BILL APPROVED BY COUNCIL 2/18/2020.

155 MECHANIC LEAD

163 MECHANIC 2

188 INVENTORY CONTROL TECHNICIAN

FY 2018-19 REFLECTS REDISTRIBUTION OF 1 FTE INVENTORY CONTROL TECH POSITION FROM
 25% IN 001-85 / 25% IN 101-85 / 25% IN 501-85 / 10% IN 502-85 / 15% IN 513-85 TO 100% IN
 THE GARAGE FUND.

195 MECHANIC 1

FY 2020-21 REFLECTS A NEW 1 FTE MECHANIC 1 POSITION TO START 8/1/2020.

275 TEMPORARY EMPLOYEES

299 PAYROLL TAXES AND FRINGES

PAYROLL TAXES AND FRINGE BENEFITS EXPRESSED AS A PERCENTAGE OF SALARY
 TOTALS 58.14% AS A CITY-WIDE AVERAGE AND CONSISTS OF THE FOLLOWING:
 34.14% IN PAYROLL TAXES CONSISTING OF 7.65% FICA, AVERAGE OF 23.22% FOR
 RETIREMENT CONTRIBUTIONS (28.45% PERS. 19.45% OPSRP GENERAL OR
 24.08% OPSRP POLICE), AND 3.27% IN OTHER TAXES (UNEMPLOYMENT,
 LONG TERM DISABILITY, WORKERS COMPENSATION, PEHP, AND TRIMET)
 24.00% AS THE AVERAGE COST OF MEDICAL, DENTAL, LIFE AND AD&D INSURANCES

304 DEPARTMENT EQUIPMENT EXPENSE

NEW MODEL YEAR SPECIALTY TOOLS \$4,000
 MISCELLANEOUS HAND TOOLS AND BROKEN TOOL REPLACEMENT \$3,000
 ONLINE REPAIR MANUALS SUBSCRIPTION \$2,000
 SCAN TOOL LICENSE FEES \$6,000
 FOR NEW MECHANIC 1 POSITION: TOOLBOX AND HAND TOOLS \$9,700

305 SPECIAL DEPARTMENT SUPPLIES

MISC. SHOP SUPPLIES; FLOOR SOAP, DEGREASER, ABSORBENT PADS, FASTENERS,
 ELECTRICAL SUPPLIES, LATEX GLOVES, WELDING SUPPLIES, SPRAY PAINT,
 SMALL INCIDENTALS FOR FLEET REPAIR AND MAINTENANCE
 CHARGED TO WORK ORDERS \$23,000

306 NON-FLEET EQUIPMENT

PARTS, REPAIRS AND MODIFICATION TO NON-FLEET EQUIPMENT.
 FUNDING FOR THIS ACCOUNT IS INCLUDED IN THE CHARGES TO OTHER FUNDS \$2,000

307 MEMBERSHIP FEES

COLUMBIA-WILLAMETTE CLEAN CITIES COALITION \$300
 NAFA FLEET MANAGEMENT ASSOCIATION MEMBERSHIP \$500
 PACIFIC FLEET MANAGERS ASSOCIATION \$120

308 PERIODICALS & SUBSCRIPTIONS

APWA CONTINUED LEARNING \$200

City of Beaverton - Finance
 Budget Preparation - 2021

BP WORKSHEET & JUSTIFICATION

FUND: 602 GARAGE FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0762 FLEET MAINTENANCE

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
317	COMPUTER EQUIPMENT												
	661		1,303					929		929			
321	TRAVEL, TRAINING & SUBSISTENCE												
	7,402		12,871		15,400		14,000	15,000		15,000			
331	VEHICLE EXPENSE												
	127,207		108,440		185,500		155,000	196,000		196,000			
332	VEHICLE FUEL												
	390,448		431,403		450,000		400,000	460,000		410,000			
361	UNIFORMS & SPECIAL CLOTHING												
			5,046		6,000		6,000	6,000		6,500			
371	EQUIPMENT OPER & MAINT EXPENSE												
	85,790		65,717		107,700		80,000	114,000		114,000			
481	OTHER EXPENSES												
	362		1,257		624		624	648		998			
511	PROFESSIONAL SERVICES												
	117,198		114,506		120,000		115,000	120,000		120,000			
TOTAL CLASS: 10 MATERIALS & SERVICES													
	764,897		813,593		928,944		803,690	953,697		914,247			
CLASS: 15 CAPITAL OUTLAY													
671	EQUIPMENT												
			49,765					91,000		91,000			
TOTAL CLASS: 15 CAPITAL OUTLAY													
			49,765					91,000		91,000			
CLASS: 25 TRANSFERS													
804	TRSFR - OPERATIONS ADMIN												
	86,072		106,201		110,266		110,266	134,966		132,927			
805	TRSFR TO G/F BLDG MAINT												
	4,454		4,335		4,596		4,596	6,299		6,299			
818	TRSFRS TO ISD-ALLOCATED												
	45,699		51,944		56,495		56,495	54,750		56,154			

FUND: 602 GARAGE FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

PROGRAM: 0762 FLEET MAINTENANCE

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

317	COMPUTER EQUIPMENT MONITOR \$114 DESKTOP PC \$730 UPS \$85
321	TRAVEL, TRAINING & SUBSISTENCE TRAVEL AND SUBSISTENCE TO SUPPORT TRAINING TRAINING TO KEEP UP WITH CHANGING AUTOMOTIVE/EQUIPMENT TECHNOLOGY \$6,400 RTA USERS TRAINING \$4,600 ELGIN SWEEPER TRAINING \$2,000 GRENN FLEET EXPO \$2,000
331	VEHICLE EXPENSE PARTS AND REPAIRS FOR CITY VEHICLES; PREPARE NEW VEHICLES FOR SERVICE; ADD 3% FOR ADDITIONAL VEHICLES PURCHASED AND AGING ADD 3% FOR INFLATION \$196,000 COSTS DOWN DUE TO FLEET MACHANIC 2 VACANCY
332	VEHICLE FUEL FUEL FOR ALL CITY VEHICLES AND EQUIPMENT. REFLECTS OREGON FUEL TAX INCREASE .02 CENTS USAGE UP 200 GALLONS OVER 2018 CAL YR AV COST PER GAL UP 01 CENT \$410,000
361	UNIFORMS & SPECIAL CLOTHING RAIN GEAR AND SAFETY GEAR \$1,000 UNIFORMS FOR STAFF - SHOP RAGS AND POLISHING TOWELS \$5,000 FOR NEW MECHANIC 1 POSITION: RAIN GEAR AND SAFETY GEAR \$500
371	EQUIPMENT OPER & MAINT EXPENSE PARTS AND REPAIRS FOR CITY EQUIPMENT & PREPARE NEW EQUIPMENT FOR SERVICE ADD 3% FOR INFLATION ADD 3% FOR ADDITIONAL EQUIPMENT PURCHASED AND AGING \$114,000 COSTS DOWN DUE TO FLEET MACHANIC 2 VACANCY
481	OTHER EXPENSES NEW EMPLOYEE CDL \$400 NEW MOTORCYCLE ENDORSEMENT LICENSE RENEWALS \$248 FOR NEW MECHANIC 1 POSITION: CDL \$350
511	PROFESSIONAL SERVICES OUTSIDE REPAIRS AND MAINTENANCE SERVICE ON THE CITY'S FLEET ANNUAL AERIAL, DIELECTRIC AND CRANE INSPECTIONS \$120,000
671	EQUIPMENT PURCHASE FUEL MANAGMENT SYSTEM-REPLACE OUTDATED FUEL CARD READER SYSTEM \$91,000 CURRENT SYSTEM IS ANOLOG
804	TRSFR - OPERATIONS ADMIN ALLOCATION OF SERVICES PROVIDED BY THE PUBLIC WORKS ADMINISTRATION FUND \$132,927
805	TRSFR TO G/F BLDG MAINT ALLOCATION OF BUILDING MAINTENANCE SERVICES PROVIDED BY THE GENERAL FUND \$6,299
818	TRSFRS TO ISD-ALLOCATED ALLOCATION OF SERVICES PROVIDED BY THE INFORMATION SYSTEMS FUNDS \$46,154 SOFTWARE MAINTENANCE COSTS - RTA FLEET SOFTWARE SYSTEM \$10,000

City of Beaverton - Finance
 Budget Preparation - 2021

BP WORKSHEET & JUSTIFICATION

FUND: 602 GARAGE FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0762 FLEET MAINTENANCE

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
819	TRSFERS TO INSURANCE FUND												
	46,998		46,998		58,747		58,747	58,747		58,747		58,747	
TOTAL CLASS: 25 TRANSFERS													
	183,223		209,478		230,104		230,104	254,762		254,127			
CLASS: 30 FUND BAL/CONTINGENCY/RESERVES													
991	CONTINGENCY - UNRESERVED												
					59,591			60,999		86,454			
TOTAL CLASS: 30 FUND BAL/CONTINGENCY/RESERVES													
					59,591			60,999		86,454			
TOTAL PROGRAM: 0762 FLEET MAINTENANCE													
	1,550,973	6.00	1,827,146	8.00	2,153,439	8.00	1,915,222	2,346,322	8.00	2,415,416	9.00		
TOTAL DEPARTMENT: 85 PUBLIC WORKS - OPERATIONS													
	1,550,973	6.00	1,827,146	8.00	2,153,439	8.00	1,915,222	2,346,322	8.00	2,415,416	9.00		
TOTAL FUND: 602 GARAGE FUND													
	1,550,973	6.00	1,827,146	8.00	2,153,439	8.00	1,915,222	2,346,322	8.00	2,415,416	9.00		

City of Beaverton - Finance
Budget Preparation - 2021

BP WORKSHEET & JUSTIFICATION

FUND: 602 GARAGE FUND
DEPT: 85 PUBLIC WORKS - OPERATIONS
PROGRAM: 0762 FLEET MAINTENANCE

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

819 TRSFRS TO INSURANCE FUND
ALLOCATION OF CHARGES FOR GENERAL LIABILITY AND PROPERTY INSURANCE. \$58,747

991 CONTINGENCY - UNRESERVED

ESTIMATE - PAYROLL EXPENSE BY DEPARTMENT

Saturday, April 25, 2020 9:06 AM

ACCOUNT	TITLE	FTE	REG HRS	OT HRS	HIL HRS	REG PAY	OT PAY	HIL PAY	ADD PAY	SALARY	FBAMT	TOT AMT
602-85	PUBLIC WORKS - OPERATIONS											
602-85-0762-05-049	PROG COORDINATOR -PUBLIC	1.00	2,159	21		72,801	1,047		338	74,186	49,475	123,661
602-85-0762-05-136	FLEET MANAGER	1.00	2,218			107,888			3,796	111,684	72,671	184,355
602-85-0762-05-155	MECHANIC LEAD	1.00	2,101	28		64,003	1,227		278	65,508	46,828	112,336
602-85-0762-05-163	MECHANIC 2	2.00	3,421	68		104,093	3,024		2,234	109,351	59,254	168,605
602-85-0762-05-188	INVENTORY CONTROL TECHNICIAN	1.00	2,202	36		59,719	1,452		150	61,321	36,831	98,152
602-85-0762-05-195	MECHANIC 1	2.00	4,210	62		102,400	2,081		451	104,932	89,387	194,319
	FLEET MAINTENANCE	8.00	16,311	215		510,904	8,831		7,247	526,982	354,446	881,428
	**** DEPARTMENT TOTAL ****	8.00	16,311	215		510,904	8,831		7,247	526,982	354,446	881,428

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PROPOSE - PAYROLL EXPENSE BY DEPARTMENT

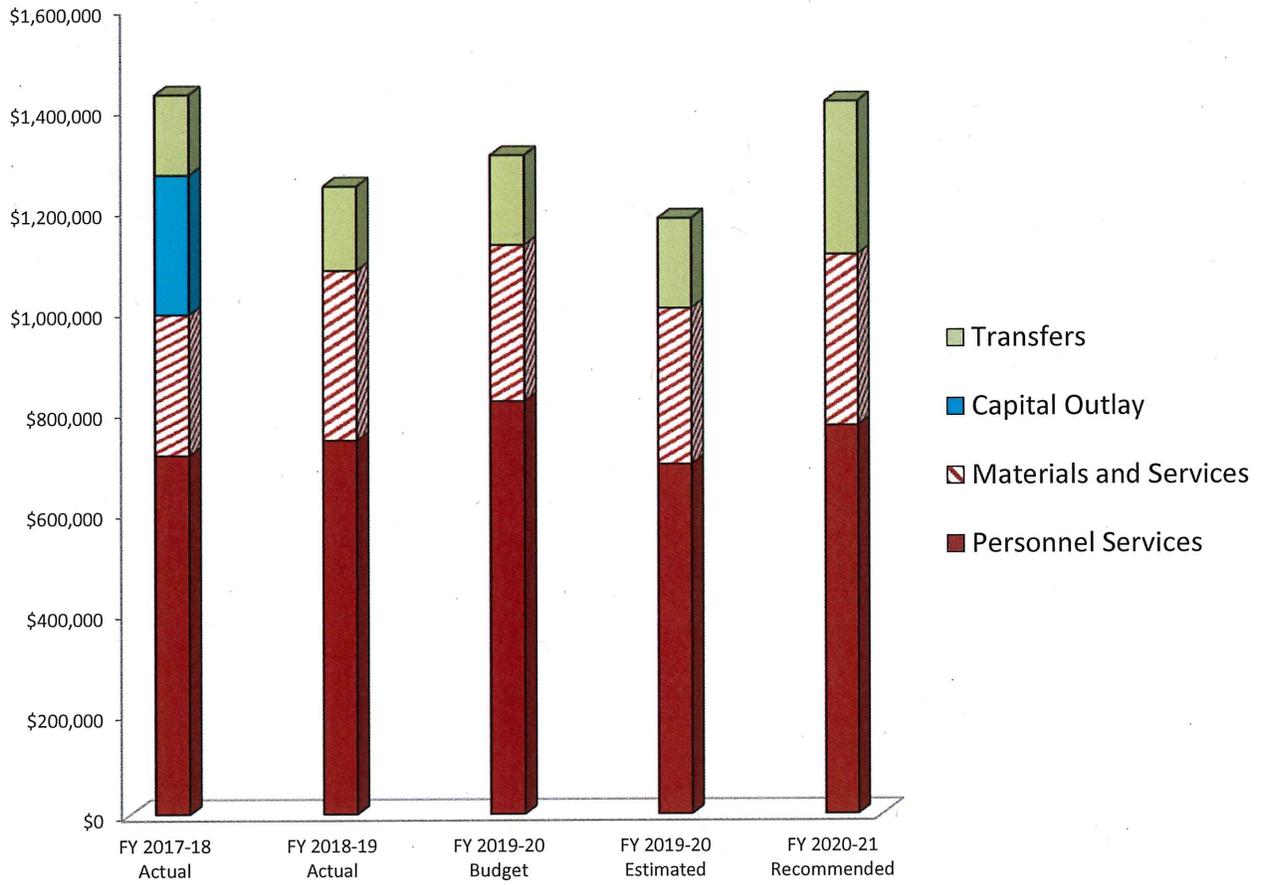
Saturday, April 25, 2020 9:07 AM

ACCOUNT	TITLE	FTE	REG HRS	OT HRS	HIL HRS	REG PAY	OT PAY	HIL PAY	ADD PAY	SALARY	FBAMT	TOT AMT
602-85	PUBLIC WORKS - OPERATIONS											
602-85-0762-05-049	PROG COORDINATOR -PUBLIC	1.00	2,212	21		80,305	1,100		293	81,698	54,359	136,057
602-85-0762-05-136	FLEET MANAGER	1.00	2,208			110,193			8,060	118,253	76,771	195,024
602-85-0762-05-155	MECHANIC LEAD	1.00	2,112	28		69,237	1,344		281	70,862	50,923	121,785
602-85-0762-05-163	MECHANIC 2	2.00	4,224	68		131,071	3,118		2,944	137,133	72,012	209,145
602-85-0762-05-188	INVENTORY CONTROL TECHNICIAN	1.00	2,112	36		61,753	1,535		150	63,438	39,320	102,758
602-85-0762-05-195	MECHANIC 1	3.00	6,128	62		159,697	2,339		506	162,542	142,277	304,819
	FLEET MAINTENANCE	9.00	18,996	215		612,256	9,436		12,234	633,926	435,662	1,069,588
	**** DEPARTMENT TOTAL ****	9.00	18,996	215		612,256	9,436		12,234	633,926	435,662	1,069,588

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PUBLIC WORKS ADMINISTRATION FUND

RECOMMENDED FY 20-21



CITY OF BEAVERTON

BUDGET TREND ANALYSIS - FY 2017-18 TO FY 2020-21

With Explanations on Significant Changes between Budgeted 2019-20 and Recommended 2020-21

Fund:	Public Works Administration Fund - Summary					% Change
CLASS	Actual FY 2017-18	Actual FY 2018-19	Budget FY 2019-20	Estimated FY 2019-20	Recommended FY 2020-21	Budgeted Vs. Recommended
Personnel Services	\$715,162	\$744,474	\$821,599	\$696,751	\$772,985	-5.92%
Materials and Services	277,645	335,144	307,963	307,995	337,119	9.47%
Capital Outlay	275,964.00	-	-	-	-	N/A
Transfers	158,544	166,517	177,255	177,255	302,105	70.44%
SUB-TOTAL	\$1,427,315	\$1,246,135	\$1,306,817	\$1,182,001	\$1,412,209	
Contingency			37,331		72,434	
TOTAL	\$1,427,315	\$1,246,135	\$1,344,148	\$1,182,001	\$1,484,643	
FTE's	6.00	6.00	6.00		6.00	

Explanation of item(s) that are significant (10% and greater than \$10,000):

Personnel services:

FY 2020-21 reflects step increases, COLA increases for SEIU and management at 2.60%. Also shown are medical insurance cost increase of 10% for Kaiser, 5% increase in MODA plans and 0% increase for Dental.

Materials and services:

No significant change

Capital Outlay:

No significant change

Transfers:

FY 2020-21 reflects a new transfer to the General Fund for the Web Management Team previously residing in the ISD Fund \$129K.

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET

FUND: 605 PUBLIC WORKS ADMINISTRATION	DEPARTMENT: PUBLIC WORKS
DEPARTMENT HEAD: CHAD LYNN	

MISSION STATEMENT:

Provide leadership and support to the Public Works Department as well as promote department, citywide, and City Council Goals. Cultivate and maintain strong partnerships with all city departments, intergovernmental organizations, and community groups to deliver high quality services.

REQUIREMENTS	FY 2017-18 ACTUAL	FY 2018-19 ACTUAL	FY 2019-20 BUDGETED	FY 2020-21 PROPOSED	FY 2020-21 ADOPTED
POSITION	6.00	6.00	6.00	6.00	0.00
PERSONNEL SERVICES	\$715,162	\$744,474	\$821,599	\$772,985	\$0
MATERIALS & SERVICES	277,645	335,144	307,963	337,119	0
CAPITAL OUTLAY	275,964	0	0	0	0
TRANSFERS	158,544	166,517	177,255	302,105	0
CONTINGENCY	0	0	37,331	72,434	0
TOTAL	\$1,427,315	\$1,246,135	\$1,344,148	\$1,484,643	\$0

Funding Sources	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2020-21
Beginning Working Capital	\$135,986	\$95,970	\$155,091	\$167,045	\$0
Miscellaneous Revenue	175,855	6,550	3,700	3,100	0
Public Works Management:					
General Fund	184,263	166,888	151,616	162,466	0
Street Fund	255,059	274,274	284,899	312,673	0
Water Fund	249,697	314,361	261,881	295,393	0
Sewer Fund	134,074	145,641	140,175	153,900	0
Garage Fund	86,072	106,201	110,266	132,927	0
Street Lighting Fund	32,994	37,310	0	0	0
Storm Drain Fund	269,284	254,031	236,520	257,139	0

Services and Trends:

The Public Works Administrative team consists of various support services and leadership for the entire department. Staff acts as generalists in all areas of Public Works and assist in a wide range duties. These include, but are not limited to:

- Direction and leadership of the Department
- Cultivating relationships with outside organizations
- Facilitate coordination with other City departments
- Field and dispatch all notification received by Public Works
- Support during emergency events
- Processing invoices
- Community service facilitation
- Department wide analytical support
- Support water conservation efforts
- Organize walk through reports

CITY OF BEAVERTON, OREGON
 FISCAL YEAR 2020-21 BUDGET
 CURRENT LEVEL OF SERVICES

FUND: 605 PUBLIC WORKS ADMINISTRATION	DEPARTMENT: PUBLIC WORKS
PROGRAM: 0681 MANAGEMENT SERVICES	PROGRAM MANAGER: TERI CUNNINGHAM

Program Goal:

The Managements Services in the only program within the Administrative Fund. The goal of this program is to provide positive outcomes that meet both the needs of residents and staff. Additionally, staff strive to promote a positive environment for all Public Works staff, City staff, and all who interact with the department.

Values

Accountable – We will take ownership of the decisions that we make and be held accountable to the highest standards to ensure that the services we provide are to the best of our ability.

Equitable – We will strive to be fair to all residents and employees within the City of Beaverton and that each is given an equal opportunity to succeed.

Diversity – We will respect all people regardless of their background as well as try to learn from those of different from ourselves while providing our own unique perspectives.

Financially Prudent – We will be fiscally responsible with the funds that we manage and be cognizant that the dollars we spend are those of taxpayers who have entrusted us to provide them with essential municipal services.

Solutions Oriented – We will embrace problems and develop alternatives to complex situations in a spirit that balances the need to maintain our standards with supporting the economic health and vitality of the community.

Technology Driven – We will fully utilize technology to the best of our ability to capitalize on cost saving measures, responsiveness, and transparency.

Training - We support a culture of continuous learning and professional development. We focus on the future through succession planning and focused leadership development

Partnership – We find ways to develop positive relationships and open communication with other governmental entities who impact the quality of life of Beaverton residents and businesses.

Program Objective:

Administer the staff in the city’s Operations and Engineering Divisions by providing direction and support. Ensure that the staff is properly trained and equipped to complete assigned duties as required.

Coordinate the efforts of the Operations and Engineering Divisions in completing annual work plans including support of city redevelopment efforts. Provide timely and accurate information about work activities to interested partners including neighborhoods, businesses and community groups. Continue to develop partnerships with community organizations and other local jurisdictions to cooperatively address city and regional needs.

Provide excellent customer service by returning contact within one day and acting on a service request as quickly as possible. Complete requests for limited service within one day. A major aspect of management services is to accomplish the city’s goals and objectives that pertain to Public Works. Public Works play critical roles in achieving these City Council priorities:

- City Council Priority – Build stronger relationships among local special districts
- City Council Priority – Evaluate policies for managing city-owned property.
- City Council Priority – Implement Climate Action Plan.

CITY OF BEAVERTON, OREGON
 FISCAL YEAR 2020-21 BUDGET
 CURRENT LEVEL OF SERVICES

FUND: 605 PUBLIC WORKS ADMINISTRATION	DEPARTMENT: PUBLIC WORKS
PROGRAM: 0681 MANAGEMENT SERVICES	PROGRAM MANAGER: TERI CUNNINGHAM

Progress on FY 2019-20 Action Plan:

The department continued to focus on fostering better communication between the Operations and Engineering divisions and with the Community Development Department. Additionally, the department is in the process of implementing a vehicle inspection program. We have implemented the Storeroom module of Cityworks (our asset management/work order system) which allows the Water Division to track inventory.

FY 2020-21 Action Plan:

Admin staff will continue to work closely within the department and with all city departments. Staff is focusing on creating a one point of contact to handle miscellaneous requests that are asked of Public Works so that work can be tracked and completed in a more efficient manner. Staff will also further integrate our management software into our everyday activities especially with addition of the Storeroom module. Staff will be implementing Storeroom with the Traffic Division this coming fiscal year. Staff will continue to work with Facilities on a plan to prepare for future growth. The Operations Building which houses the majority of Public Works employees is currently at capacity. We will also be determining how to best utilize our lot on 160th. Staff will also continue to attend meetings and be actively involved with other intergovernmental organizations within the area and continue to support City events as needed. Additionally, staff is purchasing an electric vehicle to use for City business. Staff will be onboarding our new Public Works Director.

Performance Measures:	FY 2017-18 Actual	FY 2018-19 Actual	FY 2019-20 Budgeted/Revised	FY 2020-21 Proposed
*Number of invoices paid			3,530 / 3,500	3,500
*Number of Community Service Hours/Be Sober Program Hours			1,440 / 1,450	1,450
Number of unanticipated requests for service via email and phone calls.	5,200	5,000	5,000 / 5,000	5,200
*New performance measures				

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 605 PUBLIC WORKS ADMIN FUND

DEPT: 03 REVENUE

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 BEGINNING WORKING CAPITAL

301 BEGINNING WORKING CAPITAL

	-135,986		-95,970		-155,091		-155,091	-155,091	-164,460		-167,045			
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TOTAL CLASS: 05 BEGINNING WORKING CAPITAL

	-135,986		-95,970		-155,091		-155,091	-155,091	-164,460		-167,045			
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CLASS: 35 MISCELLANEOUS REVENUES

384 INVESTMENT INTEREST EARNINGS

	-2,137		-3,761		-3,700		-4,447	-6,300	-4,400		-3,100			
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389 MISCELLANEOUS REVENUES

	-2,295		-2,721				-2,568	-2,298						
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399 REIMBURSEMENTS - OTHER

	-170,872													
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757 MED/LIFE INS PREM REFUND DISTRIBUTION

	-551		-68											
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TOTAL CLASS: 35 MISCELLANEOUS REVENUES

	-175,855		-6,550		-3,700		-7,015	-8,598	-4,400		-3,100			
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CLASS: 40 INTERFUND TRANSFERS/LOANS

411 TRSFERS FROM GENERAL FUND

	-184,263		-166,888		-151,616		-126,347	-151,616	-185,578		-162,466			
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412 TRSFERS FROM STREET FUND

	-255,059		-274,274		-284,899		-237,416	-284,899	-348,718		-312,673			
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419 TRSFERS FROM WATER FUND

	-249,697		-314,361		-261,881		-218,234	-261,881	-320,543		-295,393			
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421 TRSFERS FROM SEWER FUND

	-134,074		-145,641		-140,175		-116,813	-140,175	-171,575		-153,900			
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425 TRSFERS FROM GARAGE FUND

	-86,072		-106,201		-110,266		-91,888	-110,266	-134,966		-132,927			
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440 TRSFERS FR STREET LIGHTING FUND

405

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 605 PUBLIC WORKS ADMIN FUND

DEPT: 03 REVENUE

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
	-32,994		-37,310											
441	TRSFERS FR STORM DRAIN FUND													
	-269,284		-254,031		-236,520		-197,100	-236,520	-289,501		-257,139			
TOTAL CLASS: 40 INTERFUND TRANSFERS/LOANS														
	-1,211,443		-1,298,706		-1,185,357		-987,798	-1,185,357	-1,450,881		-1,314,498			
TOTAL DEPARTMENT: 03 REVENUE														
	-1,523,284		-1,401,226		-1,344,148		-1,149,904	-1,349,046	-1,619,741		-1,484,643			

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 605 PUBLIC WORKS ADMIN FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 PERSONNEL SERVICES

015 ASSISTANT PUBLIC WORKS DIRECTOR

					94,092	1.00			132,351	1.00	65,141	1.00		
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061 PUBLIC WORKS DIRECTOR

	154,240	1.00	163,793	1.00	166,086	1.00	152,817	184,355	154,225	1.00	154,225	1.00		
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076 OFFICE SUPERVISOR

	69,372	1.00	76,305	1.00	78,937	1.00	63,322	78,311	83,274	1.00	83,274	1.00		
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085 PROJECT MANAGER 1

	84,629	1.00	69,203	1.00										
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095 MANAGEMENT ANALYST

	74,281	1.00	79,717	1.00										
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221 SUPPORT SPECIALIST 2

	51,566	1.00	55,389	1.00	113,207	2.00	87,626	111,126	118,031	2.00	118,031	2.00		
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239 SUPPORT SPECIALIST 1

	38,997	1.00	43,888	1.00										
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275 TEMPORARY EMPLOYEES

							3,305	7,775						
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293 MANAGEMENT ANALYST 2

					87,273	1.00	68,979	88,031	89,891	1.00	89,891	1.00		
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299 PAYROLL TAXES AND FRINGES

	242,077		256,179		282,004		179,067	227,153	298,802		262,423			
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TOTAL CLASS: 05 PERSONNEL SERVICES

	715,162	6.00	744,474	6.00	821,599	6.00	555,116	696,751	876,574	6.00	772,985	6.00		
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CLASS: 10 MATERIALS & SERVICES

301 OFFICE EXPENSE

	3,107		3,129		4,000		3,310	4,000	4,000		4,000			
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303 OFFICE FURNITURE & EQUIPMENT

					1,800			1,800						
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305 SPECIAL DEPARTMENT SUPPLIES

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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 605 PUBLIC WORKS ADMIN FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
	2,498		2,372		3,000		4,142	3,400	3,000		3,000			
307	MEMBERSHIP FEES													
	1,440		671		2,000		1,870	1,870	2,000		2,000			
308	PERIODICALS & SUBSCRIPTIONS													
	100		127		100		73	100	100		100			
317	COMPUTER EQUIPMENT													
	805				1,920		54							
318	COMPUTER SOFTWARE													
	28,000								1,426		1,426			
321	TRAVEL, TRAINING & SUBSISTENCE													
	2,223		4,404		5,000		5,165	5,000	5,000		5,000			
328	MEALS & RELATED EXPENSE													
	1,342		1,349		1,500		1,108	1,500	1,500		1,500			
330	MILEAGE REIMBURSEMENT													
	1,051		1,470		1,800		843	1,800	1,600		1,600			
341	COMMUNICATIONS EXPENSE													
	68,211		72,509		71,218		59,861	72,000	72,000		72,000			
342	DATA COMMUNICATION EXPENSE													
	21,211		19,264		21,600		15,484	18,500	16,464		16,464			
351	UTILITIES EXPENSE													
	65,604		65,069		60,000		47,609	64,000	66,000		66,000			
361	UNIFORMS & SPECIAL CLOTHING													
	14,795		17,206		20,000		19,000	20,000	20,000		20,000			
381	BUILDING EXPENSE													
	10,538		31,999		32,500		15,054	32,500	32,500		32,500			
384	BUILDING MAINTENANCE PROJECTS													
	9,793				21,500		14,141	21,500	57,100		57,100			
461	SPECIAL EXPENSE													
	285		4,024		195		330	195	295		295			
481	OTHER EXPENSES													
	4,901		6,111		4,520		3,498	4,520	4,720		4,720			

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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 605 PUBLIC WORKS ADMIN FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
511	PROFESSIONAL SERVICES													
	34,464		99,036		48,100		46,561	48,100	40,964		40,964			
536	MAINTENANCE CONTRACTS													
	3,167		2,704		3,500		2,557	3,500	4,650		4,650			
551	RENTS AND LEASES													
	4,110		3,700		3,710		3,772	3,710	3,800		3,800			
TOTAL CLASS: 10 MATERIALS & SERVICES														
	277,645		335,144		307,963		244,432	307,995	337,119		337,119			
CLASS: 15 CAPITAL OUTLAY														
641	VEHICLES													
									31,200					
681	IMPROVEMENTS													
	275,964													
TOTAL CLASS: 15 CAPITAL OUTLAY														
	275,964								31,200					
CLASS: 25 TRANSFERS														
803	TRSFER TO GENERAL FD-LANDSCAPE													
	80,215		83,669		88,269		73,558	88,269	89,196		87,150			
816	TRSFERS TO REPROGRAPHICS FUND													
	24,219		22,281		25,322		12,813	25,322	24,389		24,389			
818	TRSFERS TO ISD-ALLOCATED													
	54,110		60,567		63,664		53,053	63,664	59,985		61,866			
841	TRSFER TO GF, WEB MANAGEMENT													
									138,867		128,700			
TOTAL CLASS: 25 TRANSFERS														
	158,544		166,517		177,255		139,424	177,255	312,437		302,105			

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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 605 PUBLIC WORKS ADMIN FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 30 FUND BAL/CONTINGENCY/RESERVES

991 CONTINGENCY - UNRESERVED

					37,331				62,411		72,434			
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TOTAL CLASS: 30 FUND BAL/CONTINGENCY/RESERVES

					37,331				62,411		72,434			
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TOTAL DEPARTMENT: 85 PUBLIC WORKS - OPERATIONS

	1,427,315	6.00	1,246,135	6.00	1,344,148	6.00	938,972	1,182,001	1,619,741	6.00	1,484,643	6.00		
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**PUBLIC WORKS ADMINISTRATION FUND
FY 2019-20 ADOPTED**

Code	Position Title	Actual FY 18-19	Adopted FY 19-20	New	Transfer	Reclass	Deleted	Ending FY 19-20
15	ASSISTANT PUBLIC WORKS DIRECTO	0.00	1.00					1.00
61	PUBLIC WORKS DIRECTOR	1.00	1.00					1.00
76	OFFICE SUPERVISOR	1.00	1.00					1.00
85	PROJECT MANAGER 1	1.00	0.00					0.00
95	MANAGEMENT ANALYST	1.00	0.00					0.00
221	SUPPORT SPECIALIST 2	1.00	2.00					2.00
239	SUPPORT SPECIALIST 1	1.00	0.00					0.00
293	MANAGEMENT ANALYST 2	0.00	1.00					1.00
	Total	6.00	6.00	0.00	0.00	0.00	0.00	6.00

FY 2020-21 PROPOSED

Code	Position Title	Ending FY 19-20	New	Transfer	Reclass	Deleted	Proposed FY 20-21
15	ASSISTANT PUBLIC WORKS DIRECTO	1.00					1.00
61	PUBLIC WORKS DIRECTOR	1.00					1.00
76	OFFICE SUPERVISOR	1.00					1.00
85	PROJECT MANAGER 1	0.00					0.00
95	MANAGEMENT ANALYST	0.00					0.00
221	SUPPORT SPECIALIST 2	2.00					2.00
239	SUPPORT SPECIALIST 1	0.00					0.00
293	MANAGEMENT ANALYST 2	1.00					1.00
	Total	6.00	0.00	0.00	0.00	0.00	6.00

City of Beaverton - Finance
 Budget Preparation - 2021

BP WORKSHEET & JUSTIFICATION

FUND: 605 PUBLIC WORKS ADMIN FUND
 DEPT: 03 REVENUE
 PROGRAM: 0000 UNRESTRICTED

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 BEGINNING WORKING CAPITAL

301	BEGINNING WORKING CAPITAL												
		135,986	95,970		155,091		155,091	164,460				167,045	

TOTAL CLASS: 05 BEGINNING WORKING CAPITAL

		135,986	95,970		155,091		155,091	164,460				167,045	
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CLASS: 35 MISCELLANEOUS REVENUES

384	INVESTMENT INTEREST EARNINGS												
		2,137	3,761		3,700		6,300	4,400				3,100	

389	MISCELLANEOUS REVENUES						2,298						
		2,295	2,721										

399	REIMBURSEMENTS - OTHER												
		170,872											

757	MED/LIFE INS PREM REFUND DISTRIBUTION												
		551	68										

TOTAL CLASS: 35 MISCELLANEOUS REVENUES

		175,855	6,550		3,700		8,598	4,400				3,100	
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CLASS: 40 INTERFUND TRANSFERS/LOANS

411	TRSFERS FROM GENERAL FUND												
		184,263	166,888		151,616		151,616	185,578				162,466	

412	TRSFERS FROM STREET FUND												
		255,059	274,274		284,899		284,899	348,718				312,673	

419	TRSFERS FROM WATER FUND												
		249,697	314,361		261,881		261,881	320,543				295,393	

421	TRSFERS FROM SEWER FUND												
		134,074	145,641		140,175		140,175	171,575				153,900	

425	TRSFERS FROM GARAGE FUND												
		86,072	106,201		110,266		110,266	134,966				132,927	

440	TRSFERS FR STREET LIGHTING FUND												
		32,994	37,310										

441	TRSFERS FR STORM DRAIN FUND												
		269,284	254,031		236,520		236,520	289,501				257,139	

TOTAL CLASS: 40 INTERFUND TRANSFERS/LOANS

		1,211,443	1,298,706		1,185,357		1,185,357	1,450,881				1,314,498	
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TOTAL PROGRAM: 0000 UNRESTRICTED

		1,523,284	1,401,226		1,344,148		1,349,046	1,619,741				1,484,643	
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TOTAL DEPARTMENT: 03 REVENUE

		1,523,284	1,401,226		1,344,148		1,349,046	1,619,741				1,484,643	
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BP WORKSHEET & JUSTIFICATION

FUND: 605 PUBLIC WORKS ADMIN FUND
 DEPT: 03 REVENUE
 PROGRAM: 0000 UNRESTRICTED

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

301 BEGINNING WORKING CAPITAL

384 INVESTMENT INTEREST EARNINGS
 INTEREST EARNINGS IS BASED ON AVAILABLE CASH BALANCES AND INTEREST RATES:
 FY 16-17 BUDGETED INTEREST EARNINGS ARE BASED UPON .55%
 FY 17-18 BUDGETED INTEREST EARNINGS ARE BASED UPON 1.10%
 FY 18-19 BUDGETED INTEREST EARNINGS ARE BASED UPON 1.75%
 FY 19-20 BUDGETED INTEREST EARNINGS ARE BASED UPON 3.00% FY 20-21 BUDGETED INTEREST EARNINGS ARE BASED UPON 1.40% \$3,100

389 MISCELLANEOUS REVENUES
 SALE OF RECYCABLE MATERIALS

399 REIMBURSEMENTS - OTHER
 FY 2017-18 RELLECTS REIMBURSEMENT FROM THE CITY'S INSURANCE CARRIER FOR THE REPLACEMENT OF THE HOIST THAT WAS DAMAGED

757 MED/LIFE INS PREM REFUND DISTRIBUTION
 MODA MEDICAL INSURANCE PREMIUM EXPERIENCE REBATE DISTRIBUTION TO OPERATING FUNDS

411 TRSFERS FROM GENERAL FUND
 ALLOCATION OF CHARGES FOR OPERATIONS ADMIN AND FACILITIES SERVICES. \$162,466

412 TRSFERS FROM STREET FUND
 ALLOCATION OF CHARGES FOR OPERATIONS ADMIN AND FACILITIES SERVICES \$312,673

419 TRSFERS FROM WATER FUND
 ALLOCATION OF CHARGES FOR OPERATIONS ADMIN AND FACILITIES SERVICES \$295,393

421 TRSFERS FROM SEWER FUND
 ALLOCATION OF CHARGES FOR OPERATIONS ADMIN AND FACILITIES SERVICES \$153,900

425 TRSFERS FROM GARAGE FUND
 ALLOCATION OF CHARGES FOR OPERATIONS ADMIN AND FACILITIES SERVICES \$132,927

440 TRSFERS FR STREET LIGHTING FUND
 FUND 111 IS BEING CLOSED AND COMBINED WITH STREET FUND 101

441 TRSFERS FR STORM DRAIN FUND
 ALLOCATION OF CHARGES FOR OPERATIONS ADMIN AND FACILITIES SERVICES \$257,139

City of Beaverton - Finance
 Budget Preparation - 2021

BP WORKSHEET & JUSTIFICATION

FUND: 605 PUBLIC WORKS ADMIN FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0681 MANAGEMENT SERVICES(OPERATION)

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 PERSONNEL SERVICES

015	ASSISTANT PUBLIC WORKS DIRECTOR				94,092	1.00		132,351	1.00	65,141	1.00				
061	PUBLIC WORKS DIRECTOR				154,240	1.00	163,793	1.00	166,086	1.00	184,355	154,225	1.00	154,225	1.00
076	OFFICE SUPERVISOR				69,372	1.00	76,305	1.00	78,937	1.00	78,311	83,274	1.00	83,274	1.00
085	PROJECT MANAGER 1				84,629	1.00	69,203	1.00							
095	MANAGEMENT ANALYST				74,281	1.00	79,717	1.00							
221	SUPPORT SPECIALIST 2				51,566	1.00	55,389	1.00	113,207	2.00	111,126	118,031	2.00	118,031	2.00
239	SUPPORT SPECIALIST 1				38,997	1.00	43,888	1.00							
275	TEMPORARY EMPLOYEES								7,775						
293	MANAGEMENT ANALYST 2						87,273	1.00	88,031		89,891	89,891	1.00	89,891	1.00
299	PAYROLL TAXES AND FRINGES				242,077		256,179		282,004		227,153	298,802		262,423	

TOTAL CLASS: 05 PERSONNEL SERVICES

	715,162	6.00	744,474	6.00	821,599	6.00	696,751	876,574	6.00	772,985	6.00		
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CLASS: 10 MATERIALS & SERVICES

301	OFFICE EXPENSE				3,107		3,129		4,000		4,000	4,000		4,000	
303	OFFICE FURNITURE & EQUIPMENT						1,800		1,800						
305	SPECIAL DEPARTMENT SUPPLIES				2,498		2,372		3,000		3,400	3,000		3,000	
307	MEMBERSHIP FEES				1,440		671		2,000		1,870	2,000		2,000	

BP WORKSHEET & JUSTIFICATION

FUND: 605 PUBLIC WORKS ADMIN FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0681 MANAGEMENT SERVICES(OPERATION)

OBJ	OBJECT DESCRIPTION	JUSTIFICATIONS
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- 015 ASSISTANT PUBLIC WORKS DIRECTOR
 FY 19-20 REFLECTS A NEW 1 FTE ASSISTANT PUBLIC WORKS DIRECTOR POSITION.
 FY 2019-20 ESTIMATE REFLECTS DECREASE DUE TO POSITION VACANCY.
- 061 PUBLIC WORKS DIRECTOR
 FY 2019-20 ESTIMATE REFLECTS THE RETIREMENT OF THE PUBLIC WORKS DIRECTOR AND THE PAYMENT
 OF ACCURED LEAVE AT SEPARATION
- 076 OFFICE SUPERVISOR
 FY 2019-20 REFLECTS 63 HRS PTO CASH-IN AND FY 2020-21 REFLECTS 120 HRS PTO CASH-IN.
- 085 PROJECT MANAGER 1
 FY 2019-20 REFLECTS A PROJECT MANAGER POSITION TRANSFERRING FROM THE PUBLIC WORKS ADMIN
 FUND TO THE STREET FUND - PROGRAM 0732.
- 095 MANAGEMENT ANALYST
 FY 2019-20 REFLECTS RECLASSIFICATION OF THE MANAGEMENT ANALYST POSITION TO
 MANAGEMENT ANALYST2 POSITION VIA THE FIRST SUPPLEMENTAL BUDGET.
- 221 SUPPORT SPECIALIST 2
 FY 2019-20 REFLECTS MID-YEAR RECLASSIFICATION OF 1 FTE SS1 POSITION TO SS2 POSITION.
- 239 SUPPORT SPECIALIST 1
 FY 2019-20 REFLECTS MID-YEAR RECLASSIFICATION OF 1 FTE SS1 POSITION TO SS2 POSITION.
- 275 TEMPORARY EMPLOYEES
- 293 MANAGEMENT ANALYST 2
 FY 2019-20 REFLECTS RECLASSIFICATION OF THE MANAGEMENT ANALYST POSITION TO
 MANAGEMENT ANALYST2 POSITION VIA THE FIRST SUPPLEMENTAL BUDGET.
- 299 PAYROLL TAXES AND FRINGES
 PAYROLL TAXES AND FRINGE BENEFITS EXPRESSED AS A PERCENTAGE OF SALARY
 TOTALS 58.14% AS A CITY-WIDE AVERAGE AND CONSISTS OF THE FOLLOWING:
 34.14% IN PAYROLL TAXES CONSISTING OF 7.65% FICA, AVERAGE OF 23.22% FOR
 RETIREMENT CONTRIBUTIONS (28.45% PERS. 19.45% OPSRP GENERAL OR
 24.08% OPSRP POLICE), AND 3.27% IN OTHER TAXES (UNEMPLOYMENT,
 LONG TERM DISABILITY, WORKERS COMPENSATION, PEHP, AND TRIMET)
 24.00% AS THE AVERAGE COST OF MEDICAL, DENTAL, LIFE AND AD&D INSURANCES

- 301 OFFICE EXPENSE
 OFFICE SUPPLIES. \$4,000
- 303 OFFICE FURNITURE & EQUIPMENT
- 305 SPECIAL DEPARTMENT SUPPLIES
 BATTERIES,
 OPERATIONS DEPARTMENT FIRST AID
 BLUEPRINT PRESERVATION \$3,000
- 307 MEMBERSHIP FEES
 COOPERATIVE PUBLIC AGENCIES OF WASHINGTON COUNTY MEMBERSHIP (ANNUAL).
 PROFESSIONAL REGISTRATION RENEWAL
 APWA MEMBERSHIP FOR DIRECTOR
 ICMA MEMBERSHIP
 INCREASE FOR APWA FEE \$2,000

City of Beaverton - Finance
 Budget Preparation - 2021

BP WORKSHEET & JUSTIFICATION

FUND: 605 PUBLIC WORKS ADMIN FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0681 MANAGEMENT SERVICES(OPERATION)

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
308	PERIODICALS & SUBSCRIPTIONS												
	100		127		100		100	100		100		100	
317	COMPUTER EQUIPMENT												
	805				1,920								
318	COMPUTER SOFTWARE												
	28,000							1,426		1,426			
321	TRAVEL, TRAINING & SUBSISTENCE												
	2,223		4,404		5,000		5,000	5,000		5,000		5,000	
328	MEALS & RELATED EXPENSE												
	1,342		1,349		1,500		1,500	1,500		1,500		1,500	
330	MILEAGE REIMBURSEMENT												
	1,051		1,470		1,800		1,800	1,600		1,600		1,600	
341	COMMUNICATIONS EXPENSE												
	68,211		72,509		71,218		72,000	72,000		72,000		72,000	
342	DATA COMMUNICATION EXPENSE												
	21,211		19,264		21,600		18,500	16,464		16,464		16,464	
351	UTILITIES EXPENSE												
	65,604		65,069		60,000		64,000	66,000		66,000		66,000	
361	UNIFORMS & SPECIAL CLOTHING												
	14,795		17,206		20,000		20,000	20,000		20,000		20,000	
381	BUILDING EXPENSE												
	10,538		31,999		32,500		32,500	32,500		32,500		32,500	
384	BUILDING MAINTENANCE PROJECTS												
	9,793				21,500		21,500	57,100		57,100		57,100	
461	SPECIAL EXPENSE												
	285		4,024		195		195	295		295		295	
481	OTHER EXPENSES												
	4,901		6,111		4,520		4,520	4,720		4,720		4,720	

BP WORKSHEET & JUSTIFICATION

FUND: 605 PUBLIC WORKS ADMIN FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0681 MANAGEMENT SERVICES(OPERATION)

OBJ	OBJECT DESCRIPTION	JUSTIFICATIONS
308	PERIODICALS & SUBSCRIPTIONS VALLEY TIMES \$100	
317	COMPUTER EQUIPMENT	
318	COMPUTER SOFTWARE MICROSOFT VISIO PROFESSIONAL 2019 LICENSE (2 @ \$349/EA) \$698 ADOBE ACROBAT PRO 2 @ \$103.17 EA) \$207 CREATIVE CLOUD FOR TEAMS LICENSE \$521	
321	TRAVEL, TRAINING & SUBSISTENCE NWPMA CPAWC CWS TRAINING APWA CONFERENCE ODOT - HMAC INSPECTION RECERT DEPARTMENT HEAD RETREAT MANAGEMENT ANALYST TRAVEL PUBLIC WORKS DIRECTOR TRAVEL \$5,000	
328	MEALS & RELATED EXPENSE MEALS FOR LOCAL CLASSES AND/OR MEETINGS, LABOR MANAGEMENT EMPLOYEE OF THE MONTH OVERTIME AND CALL OUT MEALS FOR ALL PUBLIC WORKS STAFF IN ALL FUNDS AND PROGRAMS \$1,500	
330	MILEAGE REIMBURSEMENT REIMBURSEMENT FOR PERSONAL VEHICLE USE \$1,600	
341	COMMUNICATIONS EXPENSE LOCAL EXCHANGE PHONE LINES TO THE OPERATIONS COMPLEX \$700 PER MONTH CELL PHONES FOR OPS AND ENG STAFF 94 SMART PHONES/28 FLIP PHONES @ \$6,000/MO \$72,000	
342	DATA COMMUNICATION EXPENSE PUBLIC WORKS ADMIN FUND: DATA PLAN FOR 38 COMMUNICATION DEVICES - ALL DIVISIONS \$16,464	
351	UTILITIES EXPENSE UTILITY EXPENSES FOR OPERATIONS COMPLEX: ELECTRICITY, NATURAL GAS, WATER AND TRASH SERVICE \$66,000	
361	UNIFORMS & SPECIAL CLOTHING BASEBALL CAPS FOR PUBLIC WORKS STAFF SHIRTS AND JACKETS WITH CITY LOGO FOR ALL ELIGIBLE PUBLIC WORKS STAFF AS REQUIRED BY THE SEIU CONTRACT \$20,000	
381	BUILDING EXPENSE PAPER PRODUCTS FOR RESTROOMS LIGHTBULBS ELECTRICAL WORK & SUPPLIES DOOR REPAIRS OTHER SUPPLIES (PAINT FILTERS, HARDWARE) UNFORESEEN REPAIRS \$32,500	
384	BUILDING MAINTENANCE PROJECTS FIRE FDC CONNECTION \$19,500 A AND B GARAGE DOOR F/S SYSTEM \$18,300 F/S FIRE SAFETY CAMERA \$2,800 FALL PROTECTION RAILS \$3,850 PARKING PATCH \$4,800 BUILDING A INTERIOR WORK \$7,850	
461	SPECIAL EXPENSE UST PERMIT DEQ PERMITS/AIR TANK PERMIT \$295	
481	OTHER EXPENSES ORGANIZATIONAL DEVELOPMENT AND TEAM BUILDING FOR PUBLIC WORKS (118 FTE @ \$40/EACH) \$4,720	

City of Beaverton - Finance
 Budget Preparation - 2021

BP WORKSHEET & JUSTIFICATION

FUND: 605 PUBLIC WORKS ADMIN FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0681 MANAGEMENT SERVICES(OPERATION)

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
511	PROFESSIONAL SERVICES												
	34,464		99,036		48,100		48,100	40,964		40,964			
536	MAINTENANCE CONTRACTS												
	3,167		2,704		3,500		3,500	4,650		4,650			
551	RENTS AND LEASES												
	4,110		3,700		3,710		3,710	3,800		3,800			
TOTAL CLASS: 10 MATERIALS & SERVICES													
	277,645		335,144		307,963		307,995	337,119		337,119			
CLASS: 15 CAPITAL OUTLAY													
641	VEHICLES									31,200			
681	IMPROVEMENTS												
	275,964												
TOTAL CLASS: 15 CAPITAL OUTLAY													
	275,964									31,200			
CLASS: 25 TRANSFERS													
803	TRSFER TO GENERAL FD-LANDSCAPE												
	80,215		83,669		88,269		88,269	89,196		87,150			
816	TRSFERS TO REPROGRAPHICS FUND												
	24,219		22,281		25,322		25,322	24,389		24,389			
818	TRSFERS TO ISD-ALLOCATED												
	54,110		60,567		63,664		63,664	59,985		61,866			
841	TRSFER TO GF, WEB MANAGEMENT												
								138,867		128,700			
TOTAL CLASS: 25 TRANSFERS													
	158,544		166,517		177,255		177,255	312,437		302,105			
CLASS: 30 FUND BAL/CONTINGENCY/RESERVES													
991	CONTINGENCY - UNRESERVED												
					37,331			62,411		72,434			
TOTAL CLASS: 30 FUND BAL/CONTINGENCY/RESERVES													
					37,331			62,411		72,434			
TOTAL PROGRAM: 0681 MANAGEMENT SERVICES(OPERATION)													
	1,427,315	6.00	1,246,135	6.00	1,344,148	6.00	1,182,001	1,619,741	6.00	1,484,643	6.00		
TOTAL DEPARTMENT: 85 PUBLIC WORKS - OPERATIONS													
	1,427,315	6.00	1,246,135	6.00	1,344,148	6.00	1,182,001	1,619,741	6.00	1,484,643	6.00		
TOTAL FUND: 605 PUBLIC WORKS ADMIN FUND													
	1,427,315	6.00	1,246,135	6.00	1,344,148	6.00	1,182,001	1,619,741	6.00	1,484,643	6.00		

BP WORKSHEET & JUSTIFICATION

FUND: 605 PUBLIC WORKS ADMIN FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0681 MANAGEMENT SERVICES(OPERATION)

OBJ	OBJECT DESCRIPTION	JUSTIFICATIONS
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511 PROFESSIONAL SERVICES
 CONTRACT SERVICE FOR HOMELESS CAMP CLEAN UP
 JANITORIAL SERVICES FOR OPERATIONS COMPLEX BUILDINGS \$40,964

536 MAINTENANCE CONTRACTS
 PEST CONTROL
 ANNUAL FIRE SPRINKLER TESTING
 ANNUAL FIRE ALARM TESTING
 GENERATOR MAINTENANCE
 FIRE ALARM MONITORING
 ANTIFREEZE CHARGING \$4,650

551 RENTS AND LEASES
 STORAGE SPACE LEASE AT HARVEST COURT \$3,800

641 VEHICLES

681 IMPROVEMENTS
 FY 2017-18 RELLECTS REPLACEMENT AND UPGRADE OF THE HEAVY DUTY EQUIPMENT HOIST THAT WAS
 DAMAGED LAST FISCAL YEAR. THE COST IS PARTLY OFFSET BY INSURANCE PROCEEDS OF \$102,583
 SHOWN IN REVENUE ACCOUNT 399

803 TRSFR TO GENERAL FD-LANDSCAPE
 ALLOCATION OF LANDSCAPE MAINTENANCE SERVICES PROVIDED BY THE GENERAL FUND \$87,150

816 TRSFRS TO REPROGRAPHICS FUND
 ALLOCATION OF COPIER, GRAPHICS, PRINTING, MAILING, & POSTAGE CHARGES THROUGH REPROGRAPHICS \$24,389

818 TRSFRS TO ISD-ALLOCATED
 ALLOCATION OF SERVICES PROVIDED BY THE INFORMATION SYSTEMS FUND \$61,866

841 TRSFR TO GF, WEB MANAGEMENT
 WEB MANAGEMENT PROGRAM EXPENSE ALLOCATION
 IN PREVIOUS YEARS, VARIOUS FUNDS WITH OPERATIONS DEPARTMENT WERE CHARGED VIA
 TRANSFERS TO ISD FUND. \$128,700

991 CONTINGENCY - UNRESERVED

ESTIMATE - PAYROLL EXPENSE BY DEPARTMENT

Saturday, April 25, 2020 9:06 AM

ACCOUNT	TITLE	FTE	REG HRS	OT HRS	HIL HRS	REG PAY	OT PAY	HIL PAY	ADD PAY	SALARY	FBAMT	TOT AMT
605-85	PUBLIC WORKS - OPERATIONS											
605-85-0681-05-015	ASSISTANT PUBLIC WORKS	1.00										0
605-85-0681-05-061	PUBLIC WORKS DIRECTOR	1.00	2,447			184,355				184,355	86,997	271,352
605-85-0681-05-076	OFFICE SUPERVISOR	1.00	2,159			78,311				78,311	57,240	135,551
605-85-0681-05-221	SUPPORT SPECIALIST 2	2.00	4,191	4		107,333	158		3,635	111,126	45,895	157,021
605-85-0681-05-275	TEMPORARY EMPLOYEES		100			7,775				7,775	720	8,495
605-85-0681-05-293	MANAGEMENT ANALYST 2	1.00	2,098			88,031				88,031	36,301	124,332
	MANAGEMENT SERVICES	6.00	10,995	4		465,805	158		3,635	469,598	227,153	696,751
	**** DEPARTMENT TOTAL ****	6.00	10,995	4		465,805	158		3,635	469,598	227,153	696,751

421

PROPOSE - PAYROLL EXPENSE BY DEPARTMENT

Saturday, April 25, 2020 9:07 AM

ACCOUNT	TITLE	FTE	REG HRS	OT HRS	HIL HRS	REG PAY	OT PAY	HIL PAY	ADD PAY	SALARY	FBAMT	TOT AMT
605-85	PUBLIC WORKS - OPERATIONS											
605-85-0681-05-015	ASSISTANT PUBLIC WORKS	1.00	1,032			65,141				65,141	36,467	101,608
605-85-0681-05-061	PUBLIC WORKS DIRECTOR	1.00	2,088			154,225				154,225	78,441	232,666
605-85-0681-05-076	OFFICE SUPERVISOR	1.00	2,208	20		82,158	1,116			83,274	61,256	144,530
605-85-0681-05-221	SUPPORT SPECIALIST 2	2.00	4,176	40		113,915	1,636		2,480	118,031	48,302	166,333
605-85-0681-05-293	MANAGEMENT ANALYST 2	1.00	2,088			89,891				89,891	37,957	127,848
	MANAGEMENT SERVICES	6.00	11,592	60		505,330	2,752		2,480	510,562	262,423	772,985
	**** DEPARTMENT TOTAL ****	6.00	11,592	60		505,330	2,752		2,480	510,562	262,423	772,985

422

CITY OF BEAVERTON

BUDGET TREND ANALYSIS - FY 2017-18 TO FY 2020-21

With Explanations on Significant Changes between Budgeted 2019-20 and Recommended 2020-21

Fund:	Capital Projects					% Change
CLASS	Actual FY 2017-18	Actual FY 2018-19	Budget FY 2019-20	Estimated FY 2019-20	Recommended FY 2020-21	Budgeted Vs. Recommended
Capital Outlay	\$2,721,243	\$2,372,183	\$5,463,077	\$3,003,928	\$5,442,000	-0.39%
SUB-TOTAL	\$2,721,243	\$2,444,818	\$5,463,077	\$3,003,928	\$5,507,906	
Contingency			25,906		885,000	
Reserves			508,932		517,232	
TOTAL	\$2,721,243	\$2,444,818	\$5,997,915	\$3,003,928	\$6,910,138	
FTE's	-	-	-	-	-	

Explanation of item(s) that are significant (10% and greater than \$10,000):

Capital outlay:

No significant changes

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET

FUND: 310 CAPITAL PROJECTS	DEPARTMENT: PUBLIC WORKS - ENGINEERING
PROGRAM: TRANSPORTATION & CIVIC PROJECTS	DEPARTMENT HEAD: CHAD LYNN

MISSION STATEMENT:

The Capital Projects Fund manages the expenditures for improvements to the city's street infrastructure system in support of traffic and congestion management. The City's Capital Improvement Program (CIP) includes projects for a five-year period but forecasts two years of funding for projects. Most projects require multiple years to complete and typically involve design, permitting, right of way acquisition, and construction. The major sources of revenue are transfers from other funds, grants, and intergovernmental payments/reimbursements.

REQUIREMENTS	FY 2017-18 ACTUAL	FY 2018-19 ACTUAL	FY 2019-20 BUDGETED	FY 2020-21 PROPOSED	FY 2020-21 ADOPTED
CAPITAL OUTLAY	\$2,721,243	\$2,372,183	\$5,463,077	\$5,442,000	\$0
TRANSFERS	0	72,635	0	65,906	0
CONTINGENCY	0	0	534,838	1,402,232	0
TOTAL	\$2,721,243	\$2,444,818	\$5,997,915	\$6,910,138	\$0

Funding Sources:	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2020-21
Beginning Working Capital	\$1,208,233	\$1,339,115	\$622,338	\$1,501,038	\$0
Transfers from:					
General Fund	395,366	312,628	888,066	708,500	0
Street Fund	111,183	1,064,475	1,058,464	717,594	0
Transportation Dev. Tax / TIF Fund	1,821,663	162,112	3,186,547	2,360,906	0
Other Intergovernmental Revenue	514,255	175,000	230,000	1,615,000	0
Miscellaneous Revenue	9,660	13,825	12,500	7,100	0

For a complete narrative of the budget process and major transportation issues, refer to [pages 67 – 70](#).

Progress on the FY 2019-20 Action Plan

- Construction of the Menlo Dr. (Allen Blvd to Fairmount Dr.) sidewalk project (CIP 3106A) was completed.
- Design is underway for the Allen Blvd/92nd Ave Shared Use Path (CIP 3112).
- A consultant was selected for the Laurelwood Ave Sidewalk Project (CIP 3113) and design began in March 2020.
- An Intergovernmental agreement was signed for the Washington Square Adaptive Signal System project (CIP 3201), and design will begin in FY 20-21.
- The redesign of the Westgate Dr./Cedar Hills Blvd/Dawson Way Intersection Realignment project (CIP 3321) was completed in Oct 2018 and the acquisition of right of way is underway.
- The design of the Library Fountain Improvements (CIP 3522) is substantially complete and the project has Land Use approval.
- The design of the Canyon Rd (Hocken Ave - Short St) Improvements (CIP 3519A) is 90% complete and the driveway impact process is nearing completion. The design of the Hocken Ave roadway improvements through the railroad crossing (CIP 3408) is coordinated with the design of CIP 3519A.
- Construction of the Denney Rd Shared Use Path (CIP 3410) was completed.
- Construction of the ADA Ramp Replacement Phase 4 (CIP5106D) was completed.
- Design for the Western Ave (5th Street – Allen Blvd) Improvement (CIP 3328) is 90% complete.
- The design of the Hall Blvd (Ridgecrest to Highway 217) Overlay is underway.
- A traffic calming project on Sexton Mountain Dr (CIP 5112) was completed.
- Five active transportation projects (CIPs 5113, 5114, 5115, 5116, and 5117) were designed and were constructed.

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET

FUND: 310 CAPITAL PROJECTS	DEPARTMENT: PUBLIC WORKS - ENGINEERING
PROGRAM: TRANSPORTATION & CIVIC PROJECTS	DEPARTMENT HEAD: CHAD LYNN

FY 2020-21 Action Plan:

CIP #	PROJECT NAME	Council Priority
3112	Allen Blvd/92nd Ave Shared Use Path – Complete design and ROW acquisition	X
3113	Laurelwood Ave (Scholls Ferry Rd – Apple Way) Sidewalks – Complete design and begin ROW.	X
3201	Washington Square Adaptive Signal System – Begin design	
3321	Westgate Dr. / Cedar Hills Blvd / Dawson Way Intersection Realignment - Complete construction	
3328	Western Ave (5 th St-Allen Blvd) Improvement – Complete design and ROW, and start construction	X
3408	Hocken Ave (RR-TV Hwy) Widening – Complete design in coordination with CIP 3519A	
3519A	Canyon Rd (Hocken Ave – Short St) Improvements (MTIP) – Complete 90% plans and complete ROW acquisition	
5106E	ADA Ramp Replacement, Phase 5 – Complete construction	X
3327	Millikan Way Extension (Watson Ave to Lombard Ave) MSTIP3E – Begin Design	
5205	Fiber on 125 th Ave (Longhorn Ln to Scholls Ferry Rd) – Complete design and construction	
5206	Hall and Sabin Crossing Improvement – Complete design and construction	X
5207	Beard Rd and 151 st Crossing Improvement – Complete design and construction	X
5208	Bonne Brae (Murray Blvd to Wilson Ave) Traffic Calming – Complete design and construction	
5209	Barlow Rd (Murray Blvd to Menlo Dr) Traffic Calming – Complete design and construction	

**City of Beaverton
CIP Financial Plan - Civic & Transportation
FY 2019-20 Estimated**

Fund #	Proj #	CIP #	Project Name	FUNDING SOURCE								
				Beg. Wrk Capital	Bond Proceeds	Transfer from Gen. Fund 411	Transfer from Street Fund 412	Transfer from TLT Fund 442	TDT/TIF	Grants (Other Govt)	Other	Funding Total
Water Capital Improvement Projects:												
301	3509	3509	Public Safety Center	22,663,976		6,000,000				425,000	849,583	29,938,559
301	3513	3513	Property Acquisition Program	121,079							267,202	388,281
301	3519	3519	Canyon Rd Intersection Improvement			110,000	110,000					220,000
301	3521	3521	Patricia Reeser Center for the Arts	261,648	21,000,000			100,000			7,000,690	28,362,338
301	3522	3522	City Park Fountain Improvements	68,363								68,363
301	3523	3523	Pacwest Gas Station Acq/Demo	269,652		1,631,178				35,000	16,525	1,952,355
												-
												-
Totals - FUND 301				23,384,718	21,000,000	7,741,178	110,000	100,000	-	460,000	8,134,000	60,929,896
310	3106	3106	Sidewalk Improvement - Menlo				84,000					84,000
310	3112	3112	Sidewalk - Allen 92nd to Scholls			132,500	132,500					265,000
310	3113	3113	Sidewalk - Laurelwood Ave			70,000	70,000					140,000
310	3143		Active Transportation Projects (ATP)									-
310	3143	5113	ATP -Denney Rd East of 111th Ave Crossing Improvement				10,000					10,000
310	3143	5115	ATP-Pedestrian Crossing Improvement at 173rd Ave & Autumn Ridge Park				40,000					40,000
310	3143	5116	ATP-Pedestrian Crossing Improvement at Barrows Rd & Barrows Park				20,000					20,000
310	3189	3189	Traffic Calming Projects				20,000					20,000
310	3223		Traffic Enhancement Projects	63,106							2,800	65,906
310	3223	5112	Sexton Mountain Dr (Murray Blvd - 155th Ave) Traffic Calming	60,000								60,000
310	3307	3307	Underground Utility Projects	499,232							10,900	510,132
310	3321	3321	Westgate/CH/Dawson Intersection Realignment						763,000			763,000
310	3327	3327	Millikan Wy Extension (Watson Ave - Lombard Ave) MSTIP3E						25,000	925,000		950,000
310	3328	3328	Western Ave (5th-Allen)			90,000			90,000	50,000		230,000
310	3329	3329	Murray/Allen Blvd Intersection						-			-
310	3408	3408	Hocken Ave RR-Canyon St Improvement			40,000			228,000			268,000
310	3410	3410	Denney Rd Shared Use Path			441,964	441,964			50,000		933,928
310	3413	3413	Citywide Fiber Connections				95,000					95,000
310	3416	3416	Quiet Zones			50,000						50,000
Totals - FUND 310				622,338	-	824,464	913,464	-	1,106,000	1,025,000	13,700	4,504,966
Totals =>				24,007,056		8,565,642	1,023,464		1,106,000	1,025,000	8,147,700	65,434,862

426

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 310 CAPITAL PROJECTS FUND

DEPT: 03 REVENUE

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 BEGINNING WORKING CAPITAL

301 BEGINNING WORKING CAPITAL

	-1,208,233		-1,339,115		-622,338		-622,338	-622,338	-1,501,038		-1,501,038			
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TOTAL CLASS: 05 BEGINNING WORKING CAPITAL

	-1,208,233		-1,339,115		-622,338		-622,338	-622,338	-1,501,038		-1,501,038			
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CLASS: 15 INTERGOVERNMENTAL REVENUE

329 OTHER INTERGOVERNMENTAL REV

	-514,255		-175,000		-230,000			-1,025,000	-915,000		-1,615,000			
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TOTAL CLASS: 15 INTERGOVERNMENTAL REVENUE

	-514,255		-175,000		-230,000			-1,025,000	-915,000		-1,615,000			
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CLASS: 35 MISCELLANEOUS REVENUES

384 INVESTMENT INTEREST EARNINGS

	-9,660		-13,825		-12,500		-9,461	-13,700	-10,100		-7,100			
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399 REIMBURSEMENTS - OTHER

							-5,585							
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TOTAL CLASS: 35 MISCELLANEOUS REVENUES

	-9,660		-13,825		-12,500		-15,046	-13,700	-10,100		-7,100			
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CLASS: 40 INTERFUND TRANSFERS/LOANS

411 TRSFERS FROM GENERAL FUND

	-395,366		-312,628		-888,066		-253,832	-824,464	-708,500		-708,500			
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412 TRSFERS FROM STREET FUND

	-111,183		-1,064,475		-1,058,464		-258,819	-913,464	-717,594		-717,594			
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443 TSFR FR TRANSP DEV TAX FUND

	-1,799,908		-134,040		-2,495,394		-132,660	-878,000	-1,645,000		-1,645,000			
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449 TSFR FR TRANS DEVL TAX/TIF FD

	-21,755		-28,072		-691,153		-19,656	-228,000	-650,000		-650,000			
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851 INTRA-FUND TRSFR REVENUE

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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 310 CAPITAL PROJECTS FUND

DEPT: 03 REVENUE

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
									-65,906		-65,906			
TOTAL CLASS: 40 INTERFUND TRANSFERS/LOANS														
	-2,328,212		-1,539,215		-5,133,077		-664,967	-2,843,928	-3,787,000		-3,787,000			
TOTAL DEPARTMENT: 03 REVENUE														
	-4,060,360		-3,067,155		-5,997,915		-1,302,351	-4,504,966	-6,213,138		-6,910,138			

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 310 CAPITAL PROJECTS FUND

DEPT: 75 INFRASTRUCTURE PROJECTS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 15 CAPITAL OUTLAY

652	RIGHT-OF-WAY AND EASEMENT COST													
	101,662		69,195		827,792		41,646	887,000	485,000		485,000			
682	CONSTRUCTION													
	1,946,819		1,687,813		3,469,928		939,168	1,157,928	3,315,000		3,315,000			
683	CONST DESIGN & ENGR INSPECTION													
	672,762		615,175		1,165,357		842,487	661,000	1,132,000		1,302,000			
688	IN-HOUSE ENGR OH CHARGE													
							278,416	298,000	320,000		340,000			
TOTAL CLASS: 15 CAPITAL OUTLAY														
	2,721,243		2,372,183		5,463,077		2,101,717	3,003,928	5,252,000		5,442,000			

430

CLASS: 25 TRANSFERS

810	TRSFERS TO STREET FUND													
			72,635											
843	INTRA-FUND TRANSFER													
									65,906		65,906			
TOTAL CLASS: 25 TRANSFERS														
			72,635						65,906		65,906			

CLASS: 30 FUND BAL/CONTINGENCY/RESERVES

983	RESERVE - UTIL UNDERGROUNDING													
					508,932				520,232		517,232			
991	CONTINGENCY - UNRESERVED													
					25,906				375,000		885,000			
TOTAL CLASS: 30 FUND BAL/CONTINGENCY/RESERVES														
					534,838				895,232		1,402,232			

TOTAL DEPARTMENT: 75 INFRASTRUCTURE PROJECTS

	2,721,243		2,444,818		5,997,915		2,101,717	3,003,928	6,213,138		6,910,138			
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CAPITAL PROJECTS –

- **WATER OPERATING FUND PROJECTS**

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET

FUND: 501 WATER	DEPARTMENT: PUBLIC WORKS
PROGRAM: 3XXX WATER REPLACEMENT PROJECTS	PROGRAM MANAGER: DAVID WINSHIP

DRINKING WATER PROGRAM

For a complete narrative of the budget process for Water Construction Projects, refer to [pages 67 - 70](#).

The Drinking Water Program is funded by: the Water Construction Fund (505) which obtains revenue from Water System Development Charges (SDCs), loans and water revenue bonds and the Water Fund (501) that obtains revenue from water sales, water connection permits, and fees.

The City of Beaverton (City) provides drinking water to approximately 88 percent of its residents. This is approximately 18 percent more than in previous years due to the withdrawal of water service areas previously served by Tualatin Valley Water District (TVWD). An additional 8,000 new residents are expected in the South Cooper Mountain (SCM) area will be served by the City, and an additional 9,000 residents are predicted to be served by the City in next 10 years in the 1200-acre Urban Reserve 6B upon annexation to the City.

Progress on FY 2019-20 Action Plan:

Replacement Projects

The City currently owns, operates and maintains approximately 286 miles of 2” through 36” diameter waterlines. In 1991, the City identified approximately 162,240 lineal feet of water lines ranging in size from 2 to 24 inches and 2,265 fire hydrants that would require replacement over the estimated following 35 years. To date, the City has replaced approximately 119,748 lineal feet (66 %) of the previously identified waterlines for replacement because they were at the end of useful life.

Significant water renewal and replacement projects budgeted, designed and/or constructed in FY 2019-20 follow. A key area of focus for the City last year was the Nimbus North business area, from Hall Boulevard to the Denney Commerce Center. The water utility infrastructure in this area is in very poor condition, so the City began the first of multi-year phased approach to replace waterlines in the area, and significant coordination with existing businesses was necessary. Additionally, the design of phased improvements to the City’s Sexton Mountain Pump Station was completed, including accommodation for back-up/emergency power generation in the event of loss of primary power.

<u>CIP No.</u>	<u>CIP Project Name</u>
3106A	Menlo Dr (Allen Blvd to Fairmount Dr) Sidewalk Water Meter Service Relocation
3519A	Canyon Rd Intersection Improvements (MSTIP)
3611	JWC Upgrade Projects
4060	Water System Security Upgrades
4078C	Sexton Mt. Pump Station Upgrade and Emergency Generator, Phase 3, design
4117	Washington Ave Waterline (7th-9th)
4111	Hyland Way
4120	Taralynn Ave (Allen Blvd - EOP) Waterline Replacement
4123	Barlow Ct (1500LF of 6")
4134A	Pressure Reducing Valves – PRV (SW 153 rd Ave/TV Hwy
4135	Griffith Dr Water Line Rep (3100 LF, 8")
4144	Spirea and Cherry Hill Dr (400LF 6" and 1400 8")
4152	Chestnut Pl (6" water line)
4169A	Nimbus North - Hall to Denney Commerce Center (System Upgrade) – Phase 1 of 3
6095	Sellwood Subdivision (1,150 LF 6" DIP)

Joint Water Commission Supply

The City currently owns a 25 percent share of the Joint Water Commission’s (JWC’ s) water plant capacity, equivalent to 18.75 mgd of water to supply drinking water to city water customers. Beaverton paid approximately \$1.5 million in FY 2019-20 as its proportional ownership share for various JWC projects that replaced and upgraded selected parts of the Water Treatment Plant.

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET

FUND: 501 WATER	DEPARTMENT: PUBLIC WORKS
PROGRAM: 3XXX WATER REPLACEMENT PROJECTS	PROGRAM MANAGER: DAVID WINSHIP

FY 2020-21 Action Plan:

City staff representing the Engineering and Operations divisions work collaboratively to evaluate and prioritize water replacement projects. Annual updates to the CIP list consider Council priorities, the City’s adopted Water Master Plan (WMP), Cityworks (water asset management), and engineering and field maintenance history. Additionally, staff evaluate whether other pending or scheduled City utility projects, or projects from other jurisdictions/agencies, are planned to occur in the same area where we are proposing work. If we find opportunities where a joint/combined project would save money and/or mitigate traffic impacts compared with multiple smaller projects, the City supports these joint projects (ties back to existing Council Goal #7 – Provide responsive, cost effective service to the community).

Significant water system improvement and replacement projects budgeted for FY 2020-21 follow. A key area of focus for the City this year is finishing construction for the first phase of improvements in the Nimbus North business area, and continued design of subsequent phases. Additionally, the design of phased improvements to the City’s Sexton Mountain Pump Station will continue, accommodating for back-up/emergency power and architectural and seismic upgrades.

<u>CIP No.</u>	<u>CIP Project Name</u>
3321	Westgate Dr/Cedar Hills Blvd. Dawson Wy Intersection Realignment
3611	JWC Upgrade Projects
4078C	Sexton Mt. Pump Station Upgrade and Emergency Generator
4120	Taralynn Ave. Waterline Replacement
4124	Lisa Ln (141st - Bonnie Brae) Waterline Replacement, 1,200LF of 6"
4135	Griffith Dr Water Line Rep (3100 LF, 8" and 12")
4136	22nd St (Dale - Hall) Waterline Replacement, 1,100LF 8"
4169A	Nimbus North - Hall to Denney Commerce Center (System Upgrade) – Phase 1
4169B	Nimbus North - Hall to Denney Commerce Center (System Upgrade) – Phase 2
4169C	Nimbus North - Hall to Denney Commerce Center (System Upgrade) – Phase 3
4185	Washington Ave (5th-7th) Waterline Replacement, 550LF 8"
4188	Chestnut Pl (Oak - Elm) Waterline Replacement, 1,150LF of 8"
4198	SW Wilson Ct (Kimberly - Hart) Waterline Replacement, 750LF 6"
6006	Erickson Trunk Sewer Project
6096	McKay Subdivision (Rollingwood)
8135b	4140 SW Watson Storm Outfall Retrofit
XXX	16599 SW Weir Rd PRV Improvements
XXX	163rd PRV Improvements
XXX	PRV Decommissioning Project

Scoggins Dam and Hagg Lake

Since 1973, when the U.S. Bureau of Reclamation (Reclamation), was developing the Tualatin Project (Scoggins Dam, Hagg Lake), the City of Beaverton has been a direct municipal “repayment contractor” to Reclamation for 4,000 acre-feet (1.3 billion gallons) of storage annually. Beaverton has two current contracts with Reclamation dating as far back as 1971. Completion of the Scoggins Dam construction occurred in 1975.

In 2007, Reclamation staff identified that Scoggins Dam was at risk related to a Cascadia Subduction Zone earthquake. Between 2009 and 2010, a Risk Analysis was performed on Scoggins Dam to determine the risk from seismic events with Scoggins Dam. Based on the findings of these risk analyses, a decision was made in 2010 to move into a Corrective Action Study (CAS). Reclamation is currently considering three alternatives to replace the existing dam at a downstream location, and is expected to select preferred alternative in FY 20-21.

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 501 WATER FUND

DEPT: 75 INFRASTRUCTURE PROJECTS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 15 CAPITAL OUTLAY

682	CONSTRUCTION													
	2,113,398		1,675,935		2,991,500		1,693,676	2,752,000	4,059,000		4,059,000			
683	CONST DESIGN & ENGR INSPECTION													
	571,917		424,513		799,000		776,372	456,000	155,000		155,000			
685	JWC CAPITAL EXPENSE													
	1,047,618		1,185,151		1,547,500		535,174	881,000	1,020,500		1,084,005			
688	IN-HOUSE ENGR OH CHARGE													
							148,523	251,500	320,000		320,000			

TOTAL CLASS: 15 CAPITAL OUTLAY

	3,732,933		3,285,599		5,338,000		3,153,745	4,340,500	5,554,500		5,618,005			
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TOTAL DEPARTMENT: 75 INFRASTRUCTURE PROJECTS

	3,732,933		3,285,599		5,338,000		3,153,745	4,340,500	5,554,500		5,618,005			
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CAPITAL PROJECTS - WATER CONSTRUCTION FUND

CITY OF BEAVERTON

BUDGET TREND ANALYSIS - FY 2017-18 TO FY 2020-21

With Explanations on Significant Changes between Budgeted 2019-20 and Recommended 2020-21

Fund:		Water Construction					% Change
CLASS	Actual FY 2017-18	Actual FY 2018-19	Budget FY 2019-20	Estimated FY 2019-20	Recommended FY 2020-21	Budgeted Vs. Recommended	
Capital Outlay	\$5,966,154	\$10,136,720	\$37,395,100	\$18,465,325	\$11,934,484	-68.09%	
Transfers	-	-	-	10,226,000	11,230,674	N/A	
SUB-TOTAL	\$5,966,154	\$10,136,720	\$37,395,100	\$28,691,325	\$23,165,158		
Contingency				-	123,314		
Contingency - Dedicated			1,996,218		-		
Reserve			6,836,583		-		
Reserve			-				
TOTAL	\$5,966,154	\$10,136,720	\$46,227,901	\$28,691,325	\$23,288,472		

Explanation of item(s) that are significant (10% and greater than \$10,000):

Capital outlay:

FY 2020-21 budget significantly decreased due to the creation of the WIFIA Construction Fund. Eighteen projects originally budgeted in Fund 505 have been transferred to Fund 506 (WIFIA Construction Fund) totaling \$28.9 million. Other significant decreases are: \$3.9 million decrease in payments for the WWSP, and 3.9 million decrease due to the anticipated completion of the WWSP Intertie at Cornelius Pass Rd./TV Hwy.

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET

FUND: 505 WATER CONSTRUCTION	DEPARTMENT: PUBLIC WORKS
	DEPARTMENT HEAD: CHAD LYNN

Program Trends:

The City's water utility operation is accounted for in the Water Fund. For financial reporting purposes, the Water Fund is a consolidation of the Water Operating Fund, Water Construction Fund and Water Debt Service Fund. For budgetary and financial control purposes, a separate budget is presented for each of these operations. The budget presented in this program is for the Water Construction Fund. This fund accounts for expenditures for improvements to the system with the three sources of revenue: System Development Charges (SDCs), transfers from operating revenue and an occasional revenue bond. Due to an increase in real estate development, SDCs have rebounded somewhat from previous recessionary years. Contributions of operating funds for the replacement portion of capital projects continues to be a challenge as metered consumption has flattened and operating revenue is limited. The sale of revenue bonds funds for major facility construction projects is expected over the next five years. With the pending award of US EPA Water Infrastructure and Innovation Act (WIFIA) funding, most of the existing Water Construction Fund (505) projects will be shifted to the Water Construction Fund - WIFIA Projects (506) in FY 2020-21.

REQUIREMENTS	FY 2017-18 ACTUAL	FY 2018-19 ACTUAL	FY 2019-20 BUDGETED	FY 2020-21 PROPOSED	FY 2020-21 ADOPTED
POSITION					
CAPITAL OUTLAY	\$5,966,154	\$10,136,720	\$37,395,100	\$23,165,158	\$0
TRANSFERS	0	0	0	11,230,674	0
CONTINGENCY	0	0	8,832,801	123,314	0
TOTAL	\$5,966,154	\$10,136,720	\$46,227,901	\$34,519,146	\$0

Funding Sources:	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2020-21
Beginning Working Capital	\$992,721	\$18,937,622	\$11,609,301	\$19,966,472	\$0
System Development Fees	1,517,101	1,271,117	1,000,000	1,000,000	0
Miscellaneous Revenue	11,043	537,282	346,600	322,000	0
Loan Proceeds	21,152,912	0	31,272,000	0	0
Transfers from:					
Water Fund	1,230,000	1,000,000	2,000,000	2,000,000	0

Funding of Projects:	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2020-21
3620 Water Extra Capacity Supply System	622,379	1,325,949	608,000	20,000	0
3621 ASR No. 5 Project	37,470	78,947	2,260,000	0	0
3622 Cooper Mtn Rsvr #2 and Water Lines	895,535	3,392,898	9,133,000	4,115,000	0
3623 Non Potable Purple Pipe Projects	283,897	561,335	1,710,000	0	0
3625 So. Cooper Mtn Water Capacity Proj	0	0	10,000	0	0
3627 Withdrawal of Areas from TVWD	2,788,481	1,753,220	2,932,100	722,500	0
3628 TVWD Opportunity Projects	0	0	850,000	0	0
3631 Meridian Pump Station Repl.	66,993	768,698	2,980,000	0	0
3636 Scoggins Dam Raise Project	0	0	3,000	3,000	0
3643 Willamette Water Supply System	314,432	98,543	82,000	299,545	0
3644 So. Cooper Mtn. Extra Capacity	956,967	1,747,986	16,000	0	0
3645 Willamette Water System Intertie	0	409,144	4,991,000	2,000	0
3646 Willamette Water Supply Project - Treatment, Storage & Transmission	0	0	11,820,000	6,772,439	0

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET

FUND: 505 WATER CONSTRUCTION	DEPARTMENT: PUBLIC WORKS
PROGRAM: INCREASED CAPACITY CAPITAL PROJECTS	DEPARTMENT HEAD: CHAD LYNN

Progress on FY 2019-20 Action Plan:

Significant water capacity projects budgeted, designed and/or constructed in FY 2019-20 are listed below. Projects appear in the budget under the various funds and programs. During FY 2019-20, the list of projects grew as development opportunities continued in the Cooper Mountain area and the city continued the transfer of water service from Tualatin Valley Water District (TVWD) for properties already within the city limits. Additionally, the city's participation as a Willamette Water Supply Project (WWSP) member requires extensive construction of new capital assets.

Program: Water Extra Capacity- 3620

<u>CIP Project No.</u>	<u>CIP Project Name</u>
3302	Farmington Road Utility Improvements (148th Ave to Hocken Rd), complete
4133	Backup Generator
4024P	Water Extra-Capacity Projects
4118B	Settler Way Waterline Replacement (2,000 LF of 6"&8") Phase 2

Program: ASR 5 Project – IFA Loan – 3621

4021D	ASR Well No. 5 – Final engineering for well and Sorrento Pump Station
4167	Corrosion Control

Program: Cooper Mountain Reservoir #2 and Transmission Mains (bonded) – 3622

5092B	175th/Kemmer Intersection (upgrade existing and new 24" waterline)
5092C	SW 175th/Weir Road Water Transmission Line
4058A	Cooper Mt. Reservoir No. 2, preliminary design only

Program: Non-Potable “Purple Pipe” Mains – 3623

4021G	ASR No. 3a well drilling in South Cooper Mt. (SCM) - Non-potable purple-pipe water system and award contract for the Non-Potable System Program Manager in South Cooper Mountain
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Program: S. Cooper Mtn. SDC Projects – 3625

6083	South Cooper Mt. Infrastructure – Potable
5092A	SW 175th - Scholls to Alvord (extend 24" waterline 1,200 LF & connections to other waterlines)

Program: Withdrawal of Areas from TVWD – 3627

5090	Jenkins Bridge Crossing, complete final design, begin construction
4128C	158 th @ Merlo Connection to Jenkins Road completed
4128A	Cedar Hills Blvd/Jenkins/Walker Road system improvements completed

Program: Meridian Pump Station – 3631

4107	Meridian Pump Station Replacement and Upgrade, preliminary and final design, begin roadway piping
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Program: Willamette River Water Supply – 3643 (bonded)

4126	Willamette Water Supply Program – Negotiation and executing IGA to become a financial partner in the Program and joined the Willamette Water Intake Facility Commission (WIF)
4141	WWSP Supply Intertie @ Cornelius Pass Road and TV Highway – Final design and bidding of project

Program: S. Cooper Mtn. Extra Capacity Projects (bonded) – 3644

4122	Completion of Alvord Lane Waterline, 2,500 LF of 16"
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CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET

FUND: 505 WATER CONSTRUCTION	DEPARTMENT: PUBLIC WORKS
PROGRAM: INCREASED CAPACITY CAPITAL PROJECTS	DEPARTMENT HEAD: CHAD LYNN

FY 2020-21 Action Plan:

During FY 2020-21, most projects in the Water Construction Fund (505) transitioned to the Water Construction Fund – WIFIA Projects (506). Remaining projects on the list of projects shows continued progress on development opportunities occurring in the Cooper Mountain area and TVWD transferring water service responsibilities to the City for approximately 16,000 city residents. Other significant extra-capacity water projects planned this year consists of:

Program: Water Extra Capacity- 3620

<u>CIP Project No.</u>	<u>CIP Project Name</u>
4161	Denney Road Crossing at HWY 217th - Replacement of 400 LF with 12" Waterline Upsizing

	<u>Program: Cooper Mountain Reservoir #2 and Transmission Mains (bonded) – 3622</u>
4058B	Cooper Mountain (5.5 MG) Reservoir No. 3 (Siting and Land Purchase)

	<u>Program: Withdrawal of Areas from TVWD – 3627 (bonded)</u>
4159	TVWD Water Service Transfer Program Manager
5090	Jenkins Road & Bridge Crossing – SW 153 rd to SW 158 th Avenue

	<u>Program: Scoggins Dam Raise Project– 3636</u>
4051	Scoggins Dam Raise (TBWSP)

	<u>Program: JWC Capacity Projects – 3635</u>
3635	JWC Capacity Projects – Water Treatment Plant (WTP) upgrade and expansion

	<u>Program: Willamette River Water Supply – 3643 (bonded)</u>
4126	Willamette Water Supply Program – intake facility upgrade (WIF)
4141	WWSS Supply Intertie @ Cornelius Pass Road and TV Highway

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 505 WATER CONSTRUCTION FUND DEPT: 03 REVENUE

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 BEGINNING WORKING CAPITAL

301 BEGINNING WORKING CAPITAL

	-992,721		-18,937,622		-11,609,301		-11,609,301	-11,609,301	-18,514,956		-19,966,472			
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TOTAL CLASS: 05 BEGINNING WORKING CAPITAL

	-992,721		-18,937,622		-11,609,301		-11,609,301	-11,609,301	-18,514,956		-19,966,472			
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CLASS: 20 PERMITS & FEES

346 WATER SDC REIMBURSEMENT FEES

	-224,596		-188,672		-100,000		-77,058	-100,000	-100,000		-100,000			
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353 WATER SDC IMPROVEMENT FEES

	-1,292,505		-1,082,445		-900,000		-493,154	-900,000	-900,000		-900,000			
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440 TOTAL CLASS: 20 PERMITS & FEES

	-1,517,101		-1,271,117		-1,000,000		-570,212	-1,000,000	-1,000,000		-1,000,000			
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CLASS: 35 MISCELLANEOUS REVENUES

384 INVESTMENT INTEREST EARNINGS

	-11,043		-341,461		-346,600		-133,017	-289,500	-460,000		-322,000			
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389 MISCELLANEOUS REVENUES

			-195,821											
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TOTAL CLASS: 35 MISCELLANEOUS REVENUES

	-11,043		-537,282		-346,600		-133,017	-289,500	-460,000		-322,000			
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CLASS: 40 INTERFUND TRANSFERS/LOANS

419 TRSFERS FROM WATER FUND

	-1,230,000		-1,000,000		-2,000,000			-2,000,000	-2,000,000		-2,000,000			
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TOTAL CLASS: 40 INTERFUND TRANSFERS/LOANS

	-1,230,000		-1,000,000		-2,000,000			-2,000,000	-2,000,000		-2,000,000			
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CLASS: 45 NON-REVENUE RECEIPTS

450 PROCEEDS-LOANS

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 505 WATER CONSTRUCTION FUND

DEPT: 03 REVENUE

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
					-1,272,000									
451	BOND SALE PROCEEDS													
	-21,152,912				-30,000,000			-33,758,996						
TOTAL CLASS: 45 NON-REVENUE RECEIPTS														
	-21,152,912				-31,272,000			-33,758,996						
TOTAL DEPARTMENT: 03 REVENUE														
	-24,903,777		-21,746,021		-46,227,901		-12,312,530	-48,657,797	-21,974,956		-23,288,472			

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 505 WATER CONSTRUCTION FUND DEPT: 75 INFRASTRUCTURE PROJECTS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 15 CAPITAL OUTLAY

651	PROPERTY ACQUISTION(LAND/BLDG)				1,600,000		4,250	5,000	4,100,000		4,100,000			
652	RIGHT-OF-WAY AND EASEMENT COST						5,500							
	29,950		27,515											
682	CONSTRUCTION				16,146,000		9,194,155	6,506,500	30,000		30,000			
	4,501,489		6,146,197											
683	CONST DESIGN & ENGR INSPECTION				7,847,100		6,100,407	1,012,300	658,000		658,000			
	1,184,635		3,871,798											
687	INVESTMENT IN JOINT VENTURES EXP				11,802,000		1,221,956	10,703,825	7,051,984		7,051,984			
	250,080		91,210											
688	IN-HOUSE ENGR OH CHARGE						408,202	237,700	94,500		94,500			

TOTAL CLASS: 15 CAPITAL OUTLAY

	5,966,154		10,136,720		37,395,100		16,934,470	18,465,325	11,934,484		11,934,484			
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CLASS: 25 TRANSFERS

844	TRSFERS TO WATER WIFIA FUND							10,226,000	9,289,104		11,230,674			
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TOTAL CLASS: 25 TRANSFERS

								10,226,000	9,289,104		11,230,674			
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CLASS: 30 FUND BAL/CONTINGENCY/RESERVES

991	CONTINGENCY - UNRESERVED								751,368		123,314			
993	RESERVE - BOND PROCEEDS				6,836,583									
994	RESERVE - WTR AND SEWER (CIP 3811) SDC													

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 505 WATER CONSTRUCTION FUND

DEPT: 75 INFRASTRUCTURE PROJECTS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
					1,996,218									
TOTAL CLASS: 30 FUND BAL/CONTINGENCY/RESERVES														
					8,832,801				751,368		123,314			
TOTAL DEPARTMENT: 75 INFRASTRUCTURE PROJECTS														
	5,966,154		10,136,720		46,227,901		16,934,470	28,691,325	21,974,956		23,288,472			

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**CAPITAL PROJECTS - WIFIA WATER
CONSTRUCTION FUND**

CITY OF BEAVERTON

BUDGET TREND ANALYSIS - FY 2017-18 TO FY 2020-21

With Explanations on Significant Changes between Budgeted 2019-20 and Recommended 2020-21

Fund:		WIFIA Water Construction Fund					% Change
CLASS	Actual FY 2017-18	Actual FY 2018-19	Budget FY 2019-20	Estimated FY 2019-20	Recommended FY 2020-21	Budgeted Vs. Recommended	
Materials and Services	\$0	\$0	\$0	\$100,000	\$100,000	N/A	
Capital Outlay	-	-	-	\$11,696,000	\$28,936,500	N/A	
SUB-TOTAL	\$0	\$0	\$0	\$11,796,000	\$29,036,500		
Contingency			-		-		
TOTAL	\$0	\$0	\$0	\$11,796,000	\$29,036,500		

Explanation of item(s) that are significant (10% and greater than \$10,000):

Capital outlay:

FY 2020-21 reflects the creation of fund 506 and transfer of WIFIA funded project out of fund 505.

**CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET**

FUND: 506 WIFIA WATER CONSTRUCTION PROJECTS	DEPARTMENT: PUBLIC WORKS
PROGRAM: WATER SUPPLY IMPROVEMENT PROJECTS	DEPARTMENT HEAD: CHAD LYNN

Program Trends:

The City's water utility operation is accounted for in the Water Fund. For financial reporting purposes, the Water Fund is a consolidation of the Water Operating Fund, Water Construction Fund and Water Debt Service Fund. For budgetary and financial control purposes, a separate budget is presented for each of these operations. The budget presented in this program is for the newly created Water Construction Fund - WIFIA Projects (506) - .

The City is funding a large water system construction program to expand Beaverton's water supply capacity, resilience, and redundancy through the US EPA Water Infrastructure and Innovation Act (WIFIA) over the next seven years. EPA's WIFIA group accepted the City's request for a total project cost of \$165 million, of which 49% will be funded by a WIFIA loan. The City has submitted a formal loan application to submit to EPA by anticipates accepting the loan in September 2020.

Many of the WIFIA water system projects - Water Supply Improvement Program (WSIP) are underway now providing jobs for many Oregon consulting and construction firms. By the summer of 2021, many 100's will be employed via contracts with this program and that pace will continue through 2027. The City's 51% contribution to the program is being assisted by two Drinking Water State Revolving Fund (DWSRF) low interest rate loans, which is another EPA program administered by Oregon Drinking Water Authority (OHA). The City has a current DWSRF loan for the ASR Well 5 project and will receive an additional loan for the North Transmission Intertie (NTI) project.

REQUIREMENTS	FY 2017-18 ACTUAL	FY 2018-19 ACTUAL	FY 2019-20 BUDGETED	FY 2020-21 PROPOSED	FY 2020-21 ADOPTED
MATERIALS & SERVICES	\$0	\$0	\$0	\$100,000	\$0
CAPITAL OUTLAY	0	0	0	28,936,500	0
TRANSFERS					
CONTINGENCY	0	0	0	100,000	0
TOTAL	\$0	\$0	\$0	\$29,136,500	\$0

Funding Sources:	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2020-21
Intergovernmental Revenue	\$0	\$0	\$0	\$750,000	\$0
WIFIA Federal Loan	0	0	0	11,299,471	0
Loan Proceeds	0	0	0	5,126,355	0
Transfers from:					
Water Construction Fund	0	0	0	11,230,674	0
Water Fund	0	0	0	630,000	0

Funding of Projects:	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2020-21
3680 So. Cooper Mtn. Impr (WIFIA)	0	0	0	15,018,500	0
3682 ASR Improvements (WIFIA)	0	0	0	9,737,000	0
3683 North Transmission Intertie (WIFIA)	0	0	0	1,635,000	0
3684 North Trans. Intertie Con. (WIFIA)	0	0	0	841,000	0
3685 East Transmission Intertie (WIFIA)	0	0	0	905,000	0
3686 WWSP Connections (WIFIA)	0	0	0	800,000	0

WSIP Project Summary

The WIFIA loan will fund the "Water Supply Improvement Program" (WSIP) of the City, which now includes 24 major projects that will be transformative to the Beaverton water system:

- 5.5 MG of new, seismically sound, above-ground water storage
- 5 new or reconstructed major pump stations with stand-by power
- 10+ miles of large diameter earthquake resistant pipelines connecting the City to 4 regional surface water sources.

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET

FUND: 506 WIFIA WATER CONSTRUCTION PROJECTS	DEPARTMENT: PUBLIC WORKS
PROGRAM: WATER SUPPLY IMPROVEMENT PROJECTS	DEPARTMENT HEAD: CHAD LYNN

- Addition of 3 new Aquifer Storage and Recovery (ASR) wells that will allow the City to store 300 million gallons of drinking water in the winter in deep basalt underground wells. When completed, the City will have a total of 6 ASR wells to access to a 1 billion gallons of stored water in deep basalt aquifers.
- Addition of 3 new ASR wells will provide an additional 5+ million gallons per day (mgd), during the summer, pumped from the wells into the City’s distribution system. The ASR wells help provide seismic protection for the City’s water supply and regional partners. The City has 5 mgd of existing ASR capacity with a successful 20-year operating history and the new wells will raise the total pumping capacity to 10 mgd.
- Conversion of the City’s entire water meter system to be automatically read to increase operating efficiency and improve water conservation.
- Ability to finally utilize all of the City’s purchased 18.75 million gallons per day (mgd) treatment capacity in the JWC treatment plant.
- First of its kind in Oregon “purple pipe” stormwater reuse system to supply summer residential irrigation water to substitute for and conserve 1 million gallons a day of drinking water. Water from this system will also be discharged into a local stream to enhance & cool summer streamflow.
- Increase system efficiency by implementing an Advanced Meter Infrastructure (AMI) system to remotely read water meters, upgrading existing pump stations, and upgrading the water system controls.
- Replace aging pipelines and pump stations that are reaching the end of useful-life.
- Manageable future water rate impacts due to low interest rates and long (35 year) repayment period.
- Allows the distribution of multiple water sources: Willamette Water Supply System (**Willamette River**), Joint Water Commission (**Tualatin and Trask Rivers**), Lake Oswego/Tigard (**Clackamas River**), City of Portland (**Bull Run River**) and **groundwater** storage of an added 300 million gallons from new ASR wells, to a major portion of Beaverton and to the City of Hillsboro during periods when the JWC water system is not functioning.

The North Transmission Intertie (NTI), is the largest project in the Water Supply Improvement Program (WSIP) being undertaken by the City with the assistance of a WIFIA loan. The goals of the program are to:

- Improve the seismic resiliency of the City’s water system by constructing key new facilities to current seismic standards.
- Improving the City’s water system’s reliability by interconnecting with several alternative sources of water supply

Specific benefits of the NTI are numerous and critical to the future of water supply to the City:

- Increases reliability of supply from the JWC by allowing the City to take its water supply from either the North or South Transmission Lines.
- Allows the South Transmission Line, which is the City’s sole source of owned supply from the JWC, to be taken out of service for repairs without jeopardizing the water supply to the City.
- Provides a seismically resilient “backbone” of supply to the City that can be relied upon to be useable after a major earthquake. It also provides a reliable and resilient transmission main for the northwest area of the City and other distribution pipelines that will be added as part of the overall WSIP.
- Allows the City to obtain its full capacity from the JWC treatment plant, which it currently cannot obtain due to a lack of capacity in the South Transmission Line.
- Increases the pressure in the South Transmission Line by equalizing the demand on the two (North and South) supply lines and, thereby, increasing the efficiency of pumping water to higher elevations in the City.
- Allows the provision of City water service to areas of the City that currently cannot be served by the City’s water system.

Progress on FY 2019-20 Action Plan:

Funding from the WIFIA program is expected in FY2020-2021, so progress on current projects is shown in Water Construction Fund (505) on pages xx-xy.

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET

FUND: 506 WIFIA WATER CONSTRUCTION PROJECTS	DEPARTMENT: PUBLIC WORKS
PROGRAM: WATER SUPPLY IMPROVEMENT PROJECTS	DEPARTMENT HEAD: CHAD LYNN

FY 2020-21 Action Plan:

With the award of WIFIA funding in FY 2020-21, for most projects formerly listed under the Water Construction Fund (505), progress will now be shown under Water Construction Fund - WIFIA Projects (506). Continued development and growth opportunities occurred in the Cooper Mountain area and the city also began a schedule of transferring water service responsibilities for water system infrastructure obtained in the withdrawal of territory from the Tualatin Valley Water District (TVWD) for properties already within the city limits.

During FY 2020-21, the list of projects shows continued progress on development opportunities occurring in the Cooper Mountain area and TVWD transferring water service responsibilities to the City for approximately 16,000 city residents. Other significant extra-capacity water projects planned this year consists of:

Program: Water Extra Capacity- 3620* (all former 505 Fund Projects)

<u>CIP Project No.</u>	<u>CIP Project Name</u>
4021F	ASR Well No. 6 (well maintenance/testing)
4021G	SCM - ASR 3A - Supply source to Non-potable purple-pipe water system
4021H	ASR Well No. 7 (Cooper Mt. ASR, well maintenance/testing)
4154	Cooper Mountain Utility Master Plan
4197	SCM Stormwater Treatment & Non-Potable Injection Well ASR 3

Program: ASR 5 Project – IFA Loan – 3621

4021D	ASR Well No. 5 & Sorrento Pump Station Seismic Upgrade
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Program: Cooper Mountain Reservoir #2 and Transmission Mains (bonded) – 3622

4058A	Cooper Mountain (5.5 MG) Reservoir No. 2
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Program: Non-Potable “Purple Pipe” Mains – 3623

4021G	South Cooper Mt. - Non-potable (purple pipe) ASR 3A storage and recovery well Water System
4197	SCM Non-Potable Injection Well ASR 3 & Stormwater Treatment System for Injection

Program: S. Cooper Mtn. SDC Projects – 3625

4158	AMI Tower/Conversion City-wide
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Program: Withdrawal of Areas from TVWD – 3627 (bonded)

4149	West Baseline Watermain Ext 158th to 163 rd (design only)
4171	Area 4 – Master Meter (Schendel/Walker)
4175	Five Oaks School, 173rd to NW 167th, 12" water line, 1500 LF
5088B	Walker Ph. 2
5105	Walker Ph. 3

Program: TVWD Opportunity Projects – 3628

4172	TVWD opportunity projects - Metzger East Pipeline - Scholls Ferry Rd, Nimbus Ave to Allen Blvd (design)
4173	TVWD opportunity projects - WWSP - SW Allen Blvd (design)
4174	TVWD opportunity projects - WWSP - SW Western Ave. (design)

Program: Meridian Pump Station – 3631

4107	Meridian Pump Station Replacement and Upgrade, finish construction
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Program: Willamette Water Supply Interties (Bond) - 3645

4141	WWSP Supply Intertie (opportunity project) @ Cornelius Pass Road/TV Hwy.
4142	Tile Flat (WWSP - COB Intertie) Fluoridation and Pump Station
4143	North Transmission Intertie Phase 1

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 506 WIFIA WATER CONSTRUCTION FUND DEPT: 03 REVENUE

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED		
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	
CLASS: 15 INTERGOVERNMENTAL REVENUE															
328 GRANTS - STATE															
													-750,000		
TOTAL CLASS: 15 INTERGOVERNMENTAL REVENUE															
													-750,000		
CLASS: 40 INTERFUND TRANSFERS/LOANS															
405 TRSFERS FR WATER CONSTR FUND															
								-10,226,000	-9,289,104				-11,230,674		
419 TRSFERS FROM WATER FUND															
								-120,000	-630,000				-630,000		
449	TOTAL CLASS: 40 INTERFUND TRANSFERS/LOANS														
								-10,346,000	-9,919,104				-11,860,674		
CLASS: 45 NON-REVENUE RECEIPTS															
468 WIFIA FEDERAL LOAN															
									-9,434,041				-11,299,471		
469 IFA STATE LOAN, ASR 5															
								-1,450,000	-2,452,355				-2,452,355		
470 IFA STATE LOAN, NTL															
									-1,680,500				-1,337,000		
471 SPWF LOAN, NTL															
									-1,680,500				-1,337,000		
TOTAL CLASS: 45 NON-REVENUE RECEIPTS															
								-1,450,000	-15,247,396				-16,425,826		
TOTAL DEPARTMENT: 03 REVENUE															
								-11,796,000	-25,166,500				-29,036,500		

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 506 WIFIA WATER CONSTRUCTION FUND DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 10 MATERIALS & SERVICES

499 WIFIA ADMINISTRATIVE EXPENSE

								100,000	100,000		100,000			
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TOTAL CLASS: 10 MATERIALS & SERVICES

								100,000	100,000		100,000			
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TOTAL DEPARTMENT: 72 CAPITAL DEVELOPMNT-ENGINEERING

								100,000	100,000		100,000			
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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 506 WIFIA WATER CONSTRUCTION FUND DEPT: 75 INFRASTRUCTURE PROJECTS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE
CLASS: 15 CAPITAL OUTLAY														
652	RIGHT-OF-WAY AND EASEMENT COST													
								85,000	600,000		600,000			
682	CONSTRUCTION													
							4,978,000	17,806,000		23,171,000				
683	CONST DESIGN & ENGR INSPECTION													
							6,290,000	6,353,500		4,858,500				
688	IN-HOUSE ENGR OH CHARGE													
							343,000	307,000		307,000				
TOTAL CLASS: 15 CAPITAL OUTLAY								11,696,000	25,066,500		28,936,500			
TOTAL DEPARTMENT: 75 INFRASTRUCTURE PROJECTS								11,696,000	25,066,500		28,936,500			

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City of Beaverton
CIP Financial Plan - Water
FY 2019-20 Estimated

Fund #	Proj #	CIP #	Project Name	Funding Source					
				SDC	Bond Proceeds	IFA Loan Proceeds	WIFIA	Operating: Maint & Replacement	Developer Reimb
FUND 501 - Water Capital Improvement Projects:									
501	3611	3611	JWC Projects					813,000	813,000
501	3611	?	Barney Reservoir					68,000	68,000
Totals - 3611 (Joint Water Commission Projects)				-	-	-	-	881,000	881,000
FUND 501 - Water Maintenance & Replacement Program:									
501	3700	1000							-
501	3700	4017	Water System Hydraulic Modeling & Mapping						-
501	3700	4166	ASR storage & recovery operations related to Potential Fe/Mn impacts						-
Totals - 3700 (Maintenance & Replacement Program)				-	-	-	-	-	-
FUND 501 - Water System Improvements:									
501	3701	3321	Westgate Dr/Cedar Hills Blvd.Dawson Wy Intersection Realignment - JIM					-	-
501	3701	3410	Denny Rd Multi-Use Path					12,000	12,000
501	3701	4046	Lloyd Ave Waterline					101,000	101,000
501	3701	4060	Water System Security Upgrades					18,000	18,000
501	3701	4107	Meridian Pump Station					500	500
501	3701	4111	Hyland Way					10,000	10,000
501	3701	4117	Washington Ave Waterline (7th-9th)					180,000	180,000
501	3701	4120	Taralynn Avenue - Allen Blvd. to end (1,000 LF of 6")					35,000	35,000
501	3701	4123	Barlow Ct					400,000	400,000
501	3701	4134	Davies/Brockman; Weir Rd/158th Ave PRV Upgrades					572,000	572,000
501	3701	4135	Griffith Dr Waterline Replacement					395,000	395,000
501	3701	4144	Spirea and CherryHill Dr (400LF 6" and 1400 8") - 1*					455,000	455,000
501	3701	4152	Chestnut Pl (6" water line) - 1*					360,000	360,000
501	3701	4156	SW 140th Ave Water Improvements					10,000	10,000
501	3701	4158	AMI/Fixed Based Automated Meter Reading Infrastructure - (antenna(s) tower & communication network, meters for SCM)					-	-
501	3701	4168	Electric Ave Waterline Loop					76,000	76,000
501	3701	4195	SW Barlow Rd (Juniper to Jasmine Pl)					4,000	4,000
501	3701	6006	Erickson Trunk Sewer Project					220,000	220,000
501	3701	6095	Sellwood Subdivision 11th Street - Lee to Alger - (1,150 LF 6" DIP) ?					466,000	466,000
501	3701	3106A	Menlo Dr					7,000	7,000
501	3701	3519A	Canyon Rd Intersection Improvements (MSTIP)					-	-
501	3701	4017A	Water Master Plan Update					21,000	21,000
501	3701	4021F	ASR #6					-	-
501	3701	4118A	Settler Way Utility Improvements Phase 1					300	300
501	3701	4118B	Settler Way Utility Improvements Phase 2					700	700
501	3701	4169A	Nimbus North - Hall to Denney Commerce Center (System Upgrade) - NEW - Phase 1 of 3 - 1*					44,000	44,000
501	3701	4169B	Nimbus North - Hall to Denney Commerce Center (System Upgrade) - NEW - Phase 3 of 3 - 1*					44,000	44,000
501	3701	4169C	Nimbus North - Hall to Denney Commerce Center (System Upgrade) - NEW - Phase 2 of 3 - 1*					28,000	28,000
Totals - 3701 (Water System Improvements)				-	-	-	-	3,459,500	3,459,500
FUND 505 - WATER CONSTRUCTION FUND									
505	3620	3328	Western Ave (5th st - Allen Blvd) Improvement	4,000					4,000
505	3620	3408	Hocken Ave (RR-TV highway)	20,000					20,000
505	3620	4006	Water System Telemetry (annual upgrade project)	87,500					87,500
505	3620	4018	Wellhead Protection	-					-

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City of Beaverton
CIP Financial Plan - Water
FY 2019-20 Estimated

Fund #	Proj #	CIP #	Project Name	Funding Source						
				SDC	Bond Proceeds	IFA Loan Proceeds	WIFIA	Operating: Maint & Replacement	Developer Reimb	Funding Total
505	3620	4046	Lloyd Water Line (TVH to Henry) - Upsize to 8", 500 LF - NEW ?	61,000						61,000
505	3620	4150	Denney Commerce Center Waterline Improvements	300						300
505	3620	4161	Denney Road Crossing at HW 217th - Replacement of 400 LF with 12" V	-						-
505	3620	4168	Electric Water Line (Tualaway to 139th) - New 8" - NEW ?	61,000						61,000
505	3620	4017A	Water Master Plan Update	250						250
505	3620	4021A	ASR Well No 3	650						650
505	3620	4021F	ASR Well No. 6 (well maintenance/testing)	9,000						9,000
505	3620	4078B	Sexton Mt. Pump Station Upgrade and Emergency Generator, Phases 3	-						-
505	3620	4118A	Settler Way Utility Improvements Phase 1	550						550
505	3620	4118B	Settler Way Utility Improvements Phase 2	1,250						1,250
505	3620	4196	4050 SW Murray Blvd (Old KMart Site) Waterline Replacement	213,000						213,000
Totals - 3620 (ASR No 5 Project)				458,500	-	-	-	-	-	458,500
505	3621	4167	Corrosion Control	4,300						4,300
Totals - 3621 (ASR No 5 Project)				4,300	-	-	-	-	-	4,300
505	3622	3410	Denney Rd Multi-Use Path		150					150
505	3622	3519	Canyon Rd (Hockin-117) Streetscape Imp MTIP		150					150
505	3622	4151	Kemmer Rd		56,450					56,450
505	3622	4058B	Cooper Mountain (5.5 MG) Reservoir No. 3 (Siting and Land Purchase)(Bond)		73,000					73,000
505	3622	4151A	175th Transmission Main, 24" (Winkleman Park to Alvord Lane, 4800lf)(Bond)		1,807,450					1,807,450
505	3622	4151B	Weir Road 16" Transmission Line - SW 173rd to SW 165th Avenue/city limits (2,000 LF)(Bon		-					-
505	3622	5092B	175th/Kemmer Intersection		111,000					111,000
Totals - 3622 (North Cooper Mtn. Reservoir #2 and Transmission Lines) (Bond)				-	2,048,200	-	-	-	-	2,048,200
505	3625	6083	South Cooper Mt. Infrastructure (Potable)	1,500						1,500
Totals - 3625 (South Cooper Mtn. Water SDC Project)				1,500	-	-	-	-	-	1,500
505	3627	4141	Master Meter (Schendel/Walker)							-
505	3627	4159	TVWD Program Manager		817,000					817,000
505	3627	5090	Jenkins Waterline Extension - 153rd Ave to Merlo (opportunity project) (Bond)		435,000					435,000
505	3627	4128D	Waterhouse South Area G & G1							-
Totals - 3627 (Withdrawal of Areas from TVWD) (Bond)				-	1,252,000	-	-	-	-	1,252,000
505	3636	4051	Scoggins Dam Raise (TBWSP)	3,000						3,000
Total - 3636 (Scoggins Dam Raise Project)				3,000	-	-	-	-	-	3,000
505	3643	4155	WIF Capital Expense		82,000					82,000
Total - 3643 (Willamette Intake Facility - JV, Bonded)				-	82,000	-	-	-	-	82,000
505	3644	4122	Alvord Lane Waterline, 2,600 LF of 16" (Bond)		16,000					16,000
Totals - 3644 (South Cooper Mtn. Extra Capacity Projects) (Bond)				-	16,000	-	-	-	-	16,000
505	3645	4141	WWSP Supply Intertie (opportunity project) @ Cornelius Pass Road/TV I		3,973,000					3,973,000
Totals - 3645 Willamette Water Supply Interties (Bond)				-	3,973,000	-	-	-	-	3,973,000

City of Beaverton
CIP Financial Plan - Water
FY 2019-20 Estimated

Fund #	Proj #	CIP #	Project Name	Funding Source							
				SDC	Bond Proceeds	IFA Loan Proceeds	WIFIA	Operating: Maint & Replacement	Developer Reimb	Funding Total	
505	3646	4126	Willamette Water Supply System (WWSP)		10,626,825						10,626,825
Totals - 3644 (South Cooper Mtn. Extra Capacity Projects) (Bond)				-	10,626,825	-	-	-	-	-	10,626,825
FUND 506 - WIFIA WATER CONSTRUCTION FUND											
506	3680	4021G	South Cooper Mt. - Non-potable (purple pipe) Water System	1,195,000							1,195,000
506	3680	4058A	Cooper Mountain (5.5 MG) Reservoir No. 2 (Bond)		3,815,000						3,815,000
506	3680	4078C	Sexton Mtn Pump Station Upgrade & Emergency Generator				120,000				120,000
506	3680	4107	Meridian Pump Station Replacement (Bond)		2,545,000						2,545,000
506	3680	4154	Urban Reserve Infrastructure Analysis (6B)	38,500							38,500
506	3680	4197	SCM Non-Potable Injection Well ASR3	300,500							300,500
Totals - 3680 South Cooper Mtn. Improvements				1,195,000	6,360,000	-	120,000	-	-	-	8,014,000
506	3681	4158	AMI Tower/Conversion								-
Totals - 3681 AMI Infrastructure				-	-	-	-	-	-	-	-
506	3682	4021D	ASR Well No. 5 (includes combined facility w/Sorrento PS seismic upgrades)			1,450,000					1,450,000
506	3682	4021H	ASR Well No. 7 (Cooper Mt. ASR, well maintenance/testing)				404,000				404,000
Totals - 3682 ASR Improvements				-	-	1,450,000	404,000	-	-	-	1,854,000
506	3683	4143	NTL / STL Intertie and Transmission Line - Phase 1 (170th from SW Shaw to Baseline)		75,000						75,000
Totals - 3683 North Transmission Line				-	75,000	-	-	-	-	-	75,000

City of Beaverton
CIP Financial Plan - Water
FY 2019-20 Estimated

Fund #	Proj #	CIP #	Project Name	Funding Source						
				SDC	Bond Proceeds	IFA Loan Proceeds	WIFIA	Operating: Maint & Replacement	Developer Reimb	Funding Total
506	3684	4149	West Baseline Watermain Ext 158th-163rd							
506	3684	4171	Master Meter (Schendel/Walker)		290,000					290,000
506	3684	4175	Five Oaks School, 173rd to NW 167th, 12" water line, 1500 LF		420,000					420,000
506	3684	5088B	Waterhouse/Elmonica Area, Withdrawal Area 4 (Bond) (Walker Ph 2)		140,000					140,000
506	3684	5105	Waterhouse South Area 4 Withdrawal Area (Bond) (Walker Ph 3) - 4800 LF of 24" + PRV		23,000					23,000
Totals - 3684 North Transmission Intertie Connections				-	873,000	-	-	-	-	873,000
506	3685	4172	East Transmission Intertie - Nimbus to Western Ave (TVWD Opportunity Project)		775,000					775,000
506	3685	4174	East Transmission Intertie - SW Western Ave (TVWD Opportunity Project)		75,000					75,000
Total - 3685 East Transmission Intertie				-	850,000	-	-	-	-	850,000
506	3686	4142	Tile Flat (WWSP - COB Intertie) Fluoridation and Pump Station	30,000						30,000
Total - 3686 WWSP Connections				30,000	-	-	-	-	-	30,000

Totals => 1,692,300 26,156,025 1,450,000 524,000 4,340,500 - 34,501,825

City of Beaverton
CIP Financial Plan - Water
FY 2020-21 Proposed

Fund #	Prog #	CIP #	Project Name	Funding Source					
				Anticipated ENTIRE Project Total	SDC	Bond Proceeds	IFA Loan Proceeds	WIFIA	Operating: Maint & Replacement

Water Capital Improvement Projects:

501	3611	3611	JWC Projects						1,078,505	1,078,505
501	3611		Barney Reservoir						5,500	5,500
Totals - 3611 Joint Water Commission Projects				-	-	-	-	-	1,084,005	1,084,005

501	3701	3321	Westgate Dr/Cedar Hills Blvd.Dawson Wy Intersection Realignment - JIM						30,000	30,000
501	3701	4120	TaraLynn Waterline Replacement						300,000	300,000
501	3701	4124	Lisa Ln (141st - Bonnie Brae) Waterline Replacement, 1,200LF of 6"						300,000	300,000
501	3701	4135	Griffith Dr Waterline Replacement, 3,100LF of 8"&12"						650,000	650,000
501	3701	4136	22nd St (Dale - Hall) Waterline Replacement, 1,100LF 8"						350,000	350,000
501	3701	4185	Washington Ave (5th-7th) Waterline Replacement, 550LF 8"						200,000	200,000
501	3701	4188	Chestnut Pl (Oak - Elm) Waterline Replacement, 1,150LF of 8"						355,000	355,000
501	3701	4198	SW Wilson Ct (Kimberly - Hart) Waterline Replacement, 750LF 6"						250,000	250,000
501	3701	4199	PRV Decommissioning Project						75,000	75,000
501	3701	4200	163rd PRV Improvements						85,000	85,000
501	3701	4201	16599 SW Weir Rd PRV Improvements						60,000	60,000
501	3701	6006	Erickson Trunk Sewer Project						839,000	839,000
501	3701	6096	McKay Subdivision (Rollingwood)						50,000	50,000
501	3701	4169A	Nimbus North - Hall to Denney Commerce Center (System Upgrade) - NEW - Phase 1 of 3 - 1*						530,000	530,000
501	3701	4169B	Nimbus North - Hall to Denney Commerce Center (System Upgrade) - NEW - Phase 3 of 3 - 1*						30,000	30,000
501	3701	4169C	Nimbus North - Hall to Denney Commerce Center (System Upgrade) - NEW - Phase 2 of 3 - 1*						30,000	30,000
501	3701	8135b	4140 SW Watson StormOutfallRetrofit						400,000	400,000
Totals - 3701 Water System Improvements				-	-	-	-	-	4,534,000	4,534,000

FUND 505 - WATER CONSTRUCTION FUND

505	3620	4161	Denney Road Crossing at HW 217th - Replacement of 400 LF with 12" Waterline Upsizing.			20,000				20,000
Totals - 3620 Extra Capacity Projects				-	-	20,000	-	-	-	20,000

505	3622	4058B	Cooper Mountain (5.5 MG) Reservoir No. 3 (Siting and Land Purchase)(Bond)			4,115,000				4,115,000
Totals - 3622 Cooper Mountain Reservoir #2 & Water Lines (Bond)				-	-	4,115,000	-	-	-	4,115,000

505	3627	4159	TVWD Program Manager			685,000				685,000
505	3627	5090	Jenkins Waterline Extension - 153rd Ave to Merlo (opportunity project) (Bond)			37,500				37,500
Totals - 3627 (Withdrawal of Areas from TVWD) (Bond)				-	-	37,500	-	-	-	722,500

505	3636	4051	Scoggins Dam Raise (TBWSP)			3,000				3,000
Totals - 3636 Scoggins Dam Raise				-	-	3,000	-	-	-	3,000

505	3643	4155	Willamette Intake Facility			299,545				299,545
Totals - 3646 WillametteIntake Facility (WIF)				-	-	299,545	-	-	-	299,545

City of Beaverton
CIP Financial Plan - Water
FY 2020-21 Proposed

Fund #	Prog #	CIP #	Project Name	Funding Source						
				Anticipated ENTIRE Project Total	SDC	Bond Proceeds	IFA Loan Proceeds	WIFIA	Operating: Maint & Replacement	Funding Total
505	3645	4141	WWSP Supply Intertie (opportunity project) @ Cornelius Pass Road/TV Hwy. (Bond)			2,000				2,000
Totals - 3645 Willamette Water Supply Interties (Bond)					-	2,000	-	-	-	2,000
505	3646	4126	Willamette Water Supply Program			6,772,439				6,772,439
Totals - 3646 Willamette Water Supply Program (Bond)					-	6,772,439	-	-	-	6,772,439
FUND 506 - WIFIA WATER CONSTRUCTION FUND										
506	3680	4021G	South Cooper Mt. - Non-potable (purple pipe) Water System					865,000		865,000
506	3680	4058A	Cooper Mountain (5.5 MG) Reservoir No. 2 (Bond)					12,008,000		12,008,000
506	3680	4078C	Sexton Mt. Pump Station Upgrade and Energy Recovery					630,000		630,000
506	3680	4107	Meridian Pump Station Replacement (Bond)					430,000		430,000
506	3680	4154	Cooper Mountain Utility Master Plan					85,500		85,500
506	3680	4197	SCM Non-Potable Injection Well ASR 3					1,000,000		1,000,000
Totals - 3680 South Cooper Mtn. Improvements				-	-	-	-	15,018,500	-	15,018,500
506	3681	4158	AMI Tower/Conversion							-
Totals - 3681 AMI Infrastructure				-	-	-	-	-	-	-
506	3682	4021D	ASR Well No. 5 (includes combined facility w/Sorrento PS seismic upgrades)				2,452,355	4,017,645		6,470,000
506	3682	4021F	ASR Well No. 6 (well maintenance/testing)							-
506	3682	4021H	ASR Well No. 7 (Cooper Mt. ASR, well maintenance/testing)					3,267,000		3,267,000
Totals - 3682 ASR Improvements				-	-	-	2,452,355	7,284,645	-	9,737,000
506	3683	4143	North Transmission Intertie Phase 1				1,635,000			1,635,000
Totals - 3683 North Transmission Line					-	-	1,635,000	-	-	1,635,000
506	3684	4149	West Baseline Watermain Ext 158th to 163rd				22,000			22,000
506	3684	4171	Master Meter (Schendel/Walker)				88,000			88,000
506	3684	4175	Five Oaks School, 173rd to NW 167th, 12" water line, 1500 LF				500,000			500,000
506	3684	5105	Walker Rd Phase 3							-
506	3684	5088B	Walker Rd Phase 2				231,000			231,000
Totals - 3684 North Transmission Intertie Connections				-	-	-	841,000	-	-	841,000
506	3685	4172	East Transmission Intertie - Nimbus to Western Ave (TVWD Opportunity Project)					678,750		678,750
506	3685	4174	East Transmission Intertie - SW Western Ave (TVWD Opportunity Project)					226,250		226,250
Total - 3685 East Transmission Intertie				-	-	-	-	905,000	-	905,000
506	3686	4142	Tile Flat (WWSP - COB Intertie) Fluoridation and Pump Station					800,000		800,000
Total - 3686 WWSP Connections				-	-	-	-	800,000	-	800,000
Totals >>				-	23,000	10,926,939	4,928,355	24,008,145	5,618,005	46,189,444

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CAPITAL PROJECTS - SEWER FUND

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET

FUND: 502 SEWER	DEPARTMENT: PUBLIC WORKS
PROGRAM: 3XXX SEWER PROJECTS	PROGRAM MANAGER: DAVID WINSHIP

SANITARY SEWER PROGRAM

For a complete narrative of the budget process for Sanitary Sewer Construction Projects, refer to pages 67-70.

Increased-Capacity Projects

Recommendations made in the City’s January 2004 Sanitary Sewer Collection System Master Plan, the 2009 Clean Water Services Master Plan, and the City’s August 2019 Sewer Master Plan update are used by City staff to determine which projects are necessary to increase the capacity of the sewer system to serve new development, redevelopment, and underdeveloped land.

Replacement and Rehabilitation Projects

The City’s sewer system is comprised of approximately 277 miles of piping ranging in size from 4 to 21 inches and more than 7,833 manholes. A significant portion of the sewer lines in older parts of the City and some newly annexed areas are nearing or exceeding 65 years of service, which is the average useful life span of sanitary sewers. City staff perform CCTV inspection of all sewer pipes, rate the condition of each pipe, and designate a systematic timeline for rehabilitation or replacement of each pipe. This information is stored in the asset management program Cityworks.

Sanitary Sewer projects budgeted for FY 2019-20 and FY 2020-21 are as follows:

Progress on FY 2019-20 Action Plan:

CIP Projects

- 3410 Shared Use Path along Denny Rd – complete construction
- 3519A Canyon Rd Intersection Improvements (MSTIP) – continue design
- 4154 Cooper Mountain Utility Master Plan – begin analysis
- 6000A System Development Charge Rate Study – study on hold until FY 2020-21
- 6006 Erickson Trunk Upsizing (5th to SW Allen) CWS R110 – finish design
- 6095 Sellwood Subdivision Utility Improvements – complete construction
- 6106 Sewer in ODOT HWY 217 ROW Improvements – begin design
- 8098A Utility Improvements at Dover Ln Near Oleson Rd (Dover South) – new PM to complete design

FY 2020-21 Action Plan:

CIP Projects

- 3519A Canyon Rd Intersection Improvements (MSTIP) – begin construction
- 4154 Cooper Mountain Utility Master Plan – continue analysis
- 6000A System Development Charge Rate Study - begin study
- 6006 Erickson Trunk Upsizing (5th to SW Allen) CWS R110 – begin construction
- 6096 McKay Subdivision Utility Improvements Phase 1 – begin design
- 6105 Erickson Trunk Basin I&I Reduction Project – begin design
- 6106 Sewer in ODOT HWY 217 ROW Improvements – begin and complete construction
- 8098A Utility Improvements at Dover Ln Near Oleson Rd (Dover South) – begin and complete construction
- 8098B Utility Improvements at Dover Ln Near Oleson Rd (Dover North) – new PM to begin design

**City of Beaverton
CIP Financial Plan - SEWER
FY 2019-20 Estimated**

Fund #	Acct #	CIP #	Project Name	Funding Source					
				Anticipated ENTIRE Project Total	SDC	Surcharge	Operating: Maint & Replacement	Grants, IGA	Funding Total
Sewer Capital Improvement Projects:									
502	3811	1000	Non CIP Charges	-				-	-
502	3811	6006	Erickson Trunk Upsizing (6th St - 10th St) CWS R110	3,000,000				493,800	493,800
502	3811	6000	Financial analysis and rate study, SDC report based upon SSMP results		-				-
Total-3811 Sewer Collection System					-	-	-	493,800	493,800
502	3813	4154	Urban Reserve 6B Infrastructure Analysis	316,000	23,000				23,000
Total - 3813 Cooper Mtn Project					23,000	-	-	-	23,000
502	3850	3407	Crescent Connection Multi-Use Path						-
		3410	Shared Use Path along Denney (King Blvd- Fanno Creek Trailhead)			-			-
502	3850	3519A	Canyon Rd Intersection Improvements (MSTIP) (Manhole adjustments) (Most likely FY 21/22 Project)			-			-
502	3850	4118B	Settler Way Utility Replacements Phase 2						-
502	3850	6095	Sellwood Subdivision Utility Improvement	1,320,000		102,000			102,000
502	3850	6096	McKay Subdivision Utility Improvement Phase 1	980,000		-			-
502	3850	8098B	Utility Improvements at Dover Ln Near Oleson Rd (Dover North)	500,000		-			-
502	3850	8098A	Utility Improvements at Dover Ln Near Oleson Rd (Dover South)	500,000		20,000			20,000
502	3850	6106	Sewer in ODOT HWY 217 ROW	300,000		20,000			20,000
Total-3850 Maintenance & Replacement					-	142,000	-	-	142,000
Totals =>				-	23,000	142,000	-	493,800	658,800

**City of Beaverton
CIP Financial Plan - SEWER
FY 2020-21 Proposed**

Fund #	Acct #	CIP #	Project Name	Funding Source					
				Anticipated ENTIRE Project Total	SDC	Surcharge	Operating: Maint & Replacement	Grants, IGA	Funding Total
Sewer Capital Improvement Projects:									
502	3811	6006	Erickson Trunk Upsizing (6th St - 10th St) CWS R110	3,000,000	-	-	-	2,710,000	2,710,000
Total-3811 Sewer Collection System					-	-	-	2,710,000	2,710,000
502	3813	4154	Urban Reserve 6B Infrastructure Analysis	316,000	62,000				62,000
Total - 3813 Cooper Mtn Project					62,000	-	-	-	62,000
502	3850	3519A	Canyon Rd Intersection Improvements (MSTIP)	10,000		10,000			10,000
502	3850	6096	McKay Subdivision Utility Improvement Phase 1 (AKA Rolling Wood Neighborhood)	980,000		100,000			100,000
502	3850	8098B	Utility Improvements at Dover Ln Near Oleson Rd (Dover North)	500,000		130,000			130,000
502	3850	8098A	Utility Improvements at Dover Ln Near Oleson Rd (Dover South)	500,000		170,000			170,000
502	3850	6106	Sewer in ODOT HWY 217 ROW	300,000		280,000			280,000
502	3850	6105	Erickson Trunk Basin I&I Study	100,000		100,000			100,000
502	3850	8135B	Sewer Work in Watson Ave. associated with undersized pump station and Millikan extension	300,000		-		300,000	300,000
Total-3850 Maintenance & Replacement					-	-	-	300,000	1,090,000

Totals =>		62,000	-	-	3,010,000	3,862,000
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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 502 SEWER FUND

DEPT: 75 INFRASTRUCTURE PROJECTS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 15 CAPITAL OUTLAY

682 CONSTRUCTION

	685,176		376,462		2,069,000		100,625	295,000	3,120,000		3,170,000			
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683 CONST DESIGN & ENGR INSPECTION

	190,798		200,890		730,000		443,514	306,800	562,000		562,000			
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688 IN-HOUSE ENGR OH CHARGE

							30,041	57,000	130,000		130,000			
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TOTAL CLASS: 15 CAPITAL OUTLAY

	875,974		577,352		2,799,000		574,180	658,800	3,812,000		3,862,000			
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TOTAL DEPARTMENT: 75 INFRASTRUCTURE PROJECTS

	875,974		577,352		2,799,000		574,180	658,800	3,812,000		3,862,000			
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CAPITAL PROJECTS - STORM DRAIN FUND

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2020-21 BUDGET

FUND: 513 STORM DRAIN	DEPARTMENT: PUBLIC WORKS
PROGRAM: 3XXX STORM DRAIN PROJECTS	PROGRAM MANAGER: DAVID WINSHIP

+For a complete narrative of the budget process for Storm Drainage Construction Projects, refer to [pages 67 - 70](#). The listing of projects and the funding sources can be found on [page 440](#).

Progress FY 2019-20 Action Plan:

CIP Projects

- 3410 Shared Use Path along Denney Rd (King Blvd-Fanno Creek Trailhead) - Associated Storm conduit R&R work →Completed design, completed construction
- 4154 Cooper Mountain Utility Master plan, Storm (UGB Expansion Area) →Started multi-year process in March 2020. Project will coordinate with CIP 8101activity
- 6095 Sellwood Subdivision utility repairs prior to AC overlay →Complete design, complete construction
- 8098 Dover Area (South) Utility Rehabilitation and Replacement →Continue design
- 8101 Storm Drainage Master Plan →Started 18-month process in February 2020
- 8119 141th Ave (Millikan Way to Vernier Driveway) Storm Conveyance Pipe and stormwater outfall to Beaverton Creek Retrofit → Completed construction
- 8122 Major Storm Pipe Rehab Project (annual recurring work item) →Repaired existing pipe in 10 locations to allow the rehabilitation. Completed plans and bid documents, design and construction for this ongoing multi-year program
- 8132 Small Works Drainage projects (includes activities such as debris screen replacements, minor roadway drainage enhancements, etc.) → Continued design and construction
- 8135 4140 SW Watson Ave Stormwater Outfall to Beaverton Creek Retrofit →Completed design and started construction of the off-street vaults portion of the project. Right of way portion of project delayed due to water, sanitary sewer, and transportation project issues.

FY 2020-21 Action Plan:

CIP Projects

- 4154 Cooper Mountain Utility Master plan, Storm (UGB Expansion Area) →Continue plan preparation process in conjunction with CIP 8101
- 6006 Erickson Trunk Sewer Upsizing (5th St - Allen Blvd), CWS R110 (Minor storm drainage enhancements) → Complete design, completed construction
- 8098A Utility Replacements at Dover Ln Near Oleson Rd (Dover South) →Start construction
- 8098B Utility Replacements at Dover Ln Near Oleson Rd (Dover North) →Complete design, Construction anticipated in FY2021-2022
- 8101 Storm Drainage Master Plan →Continue the master plan development
- 8102 Storm Drainage Repair on Overlay Streets (such a point repairs and structure rehab)→Continue design and construction for this ongoing multi-year program. Construction via City Operations staff.
- 8122 Major Storm Pipe Rehab Project (annual recurring work item)→Continue design and construction for this ongoing multi-year program. Construction via public words contractors
- 8123 Existing Stormwater Pond Capacity Expansion. One pond expansion is anticipated →Work with PW Operations to complete
- 8132 Small Works Drainage Projects (includes activities such as debris screen replacements, minor roadway drainage enhancements, etc.) →Continue to be responsive in the design and construction needs
- 8135A 11750 SW Beaverton Hillsdale Hwy Stormwater Outfall to Beaverton Creek Retrofit → Bring plans to 90% design. Start the search for project construction funding.
- 8135B 4140 SW Watson Ave Stormwater Outfall to Beaverton Creek Retrofit →Complete the second phase of the design. This will involve the construction of approximately 520 feet of storm drain pipe after the relocation/reconstruction of a sanitary sewer force main to allow for proper replacement of approximately 650 feet of existing eight-inch water line with a new 12-inch water line. In addition, the proposed reconfiguration of the Watson/Millikan intersection will be determined. Construction anticipated in FY2021-2022

**City of Beaverton
CIP Financial Plan - Storm
FY 2019-20 Estimated**

Fund #	Acct #	CIP #	Project Name	Funding Source						
				Anticipated ENTIRE Fund Project Total	Conveyance/E xtra Capacity	Stormwater Quantity	Stormwater Quality	Surcharge	Grants, IGA	Funding Total
Storm Capital Improvement Projects:										
513	3915	4154	Cooper Mtn Utility Master Plan (Storm)	167,000	71,000					71,000
513	3915	8101	Stormwater Drainage Master Plan	600,000	287,500					287,500
513	3915	8119	141st Ave (Millikan to Vernier) Conveyance Pipe & WQ Retrofit	700,000	638,500					638,500
513	3915	8132	Small Works Drainage Projects (annual recurring work item)		-					-
Total - 3915 Misc Conveyance/Extra Cap					997,000	-	-	-	-	997,000

513	3916	8123	Existing Stormwater Pond capacity expansion at TBD (annual recurring work item)	~30,000/yr		-				-
513	3916	8132	Small Works Drainage Projects (annual recurring work item)			-		-		-
Total - 3916 Storm Quantity Projects					-	-	-	-	-	-

513	3917	8135B	4140 SW Watson Ave Stormwater Outfall to Beaverton Ck Retrofit	2,500,000			150,000			150,000
513	3917	8132	Small Works Drainage Projects (annual recurring work item)				5,000	-		5,000
Total - 3917 Storm Quality Projects					-	-	155,000	-	-	155,000

513	3950	3410	Shared Use Path along Denney Rd (King Blvd- Fanno Creek Trailhead) - associated Storm conduit R&R work					160,176		160,176
513	3950	4118B	Settler Way Utility Replacements Phase 2					-		-
513	3950	4151	Kemmer Design Waterline Extension					-		-
513	3950	5088B	Walker Road Phase II					-		-
513	3950	6006	Minor System Enhancements in conjunction with Erickson SS Trunk upsizing					-		-
513	3950	6095	Sellwood Subdivision Utility Replacements (storm)				501,079			501,079
513	3950	6096	McKay Subdivision Utility Impr, Ph 1					-		-
513	3950	8098AB	Dover Area (South) Utility Rehabilitation and Replacement					-		-
513	3950	8098A	Dover Area (South) Utility Rehabilitation and Replacement	500,000			31,000			31,000
513	3950	8098B	Dover Area (North) Utility Rehabilitation and Replacement	500,000			10,000			10,000
513	3950	8101	SWMP - Pretreat facility list and financial studies for pipe R&R and pretreatment facility plan				5,000			5,000
513	3950	8102	Storm Drainage Repair on Overlay Streets				15,000			
513	3950	8122	Major Storm Pipe Rehab Project (annual recurring work item)	15,000,000			112,104			112,104
513	3950	8132	Small Works Drainage Projects (annual recurring work item)				41,192			41,192
513	3950	8135A	11750 SW Bvtn Hillsdale Hwy Stormwater Outfall to Beaverton Creek Retrofit	1,500,000						
513	3950	8135B	4140 SW Watson Ave Stormwater Outfall to Beaverton Ck Retrofit	2,500,000			892,500			892,500
513	3950	8136	Rawhide Ct Storm Detention							
Total - 3950 Maintenance & Replacement					-	-	1,768,051	-		1,753,051

Totals =>

-	997,000	-	155,000	1,768,051	-	2,905,051
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**City of Beaverton
CIP Financial Plan - Storm
FY 2020-21 Proposed**

Fund #	Acct #	CIP #	Project Name	Funding Source					Funding Total
				Anticipated ENTIRE Project Total	Conveyance/E xtra Capacity	Stormwater Quantity	Stormwater Quality	Surcharge	

Storm Capital Improvement Projects:

513	3915	4154	Cooper Mtn Utility Master Plan (Storm)	80,000	106,000					106,000
513	3915	8101	Stormwater Drainage Master Plan	600,000	312,500					312,500
513	3915	8132	Small Works Drainage Projects (annual recurring work item)		35,000					35,000
										-
Total - 3915 Misc Conveyance/Extra Cap					453,500	-	-	-	-	453,500

513	3916	8123	Existing Stormwater Pond capacity expansion at TBD (annual recurring work item)	~30,000/yr		30,000				30,000
513	3916	8132	Small Works Drainage Projects (annual recurring work item)			5,000				5,000
Total - 3916 Storm Quantity Projects					-	35,000	-	-	-	35,000

513	3917	8135B	4140 SW Watson Ave Stormwater Outfall to Beaverton Ck Retrofit				50,000			50,000
513	3917	8101	Stormwater Drainage Master Plan				10,000			10,000
Total - 3917 Storm Quality Projects					-	-	60,000	-	-	60,000

513	3950	6006	Erickson Trunk Sewer Upsizing (5th St - Allen Blvd), CWS R110 (Minor storm drainage enhancements)				30,000			30,000
513	3950	8098A	Utility Replacements at Dover Ln Near Oleson Rd (Dover South)	500,000			305,000			305,000
513	3950	8098B	Utility Replacements at Dover Ln Near Oleson Rd (Dover North)	500,000			30,000			30,000
513	3950	8102	Storm Drainage Repair on Overlay Streets (such a point repairs and structure rehab)				10,000			10,000
513	3950	8122	Major Storm Pipe Rehab Project (annual recurring work item)	15,000,000			1,020,000			1,020,000
513	3950	8135A	11750 SW Beaverton Hillsdale Hwy Stormwater Outfall to Beaverton Creek Retrofit				31,000			31,000
513	3950	8135B	4140 SW Watson Ave Stormwater Outfall to Beaverton Ck Retrofit	2,500,000			231,000			231,000
513	3950	8132	Small Works Drainage Projects (annual recurring work item)				165,000			165,000
							-			-
							-			-
Total - 3950 Maintenance & Replacement					-	-	1,822,000	-	-	1,822,000

Totals =>		453,500	35,000	60,000	1,822,000	-	2,370,500
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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 513 STORM DRAIN FUND

DEPT: 75 INFRASTRUCTURE PROJECTS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 15 CAPITAL OUTLAY

652 RIGHT-OF-WAY AND EASEMENT COST

	33,350								10,000		10,000			
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682 CONSTRUCTION

	274,837		1,628,578		4,292,000		2,268,714	2,117,551	1,775,000		1,720,000			
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683 CONST DESIGN & ENGR INSPECTION

	131,557		401,542		817,000		628,727	660,500	516,000		516,000			
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688 IN-HOUSE ENGR OH CHARGE

							72,338	144,000	119,500		124,500			
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TOTAL CLASS: 15 CAPITAL OUTLAY

	439,744		2,030,120		5,109,000		2,969,779	2,922,051	2,420,500		2,370,500			
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TOTAL DEPARTMENT: 75 INFRASTRUCTURE PROJECTS

	439,744		2,030,120		5,109,000		2,969,779	2,922,051	2,420,500		2,370,500			
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467

CAPITAL DEVELOPMENT FUND

- **City Park Fountain Improvements Project**

BP WORKSHEET & JUSTIFICATION

FUND: 301 CAPITAL DEVELOPMENT FUND
 DEPT: 03 REVENUE
 PROGRAM: 3522 CITY PARK FOUNTAIN IMPROVEMENTS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED		
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	
CLASS: 05 BEGINNING WORKING CAPITAL														
301	BEGINNING WORKING CAPITAL		142,821		68,363		68,363	30,000	2,994,600					
TOTAL CLASS: 05 BEGINNING WORKING CAPITAL														
		142,821		68,363		68,363	30,000	2,994,600						
CLASS: 40 INTERFUND TRANSFERS/LOANS														
411	TRSFRS FROM GENERAL FUND		190,000		96,325									
TOTAL CLASS: 40 INTERFUND TRANSFERS/LOANS														
		190,000		96,325										
CLASS: 45 NON-REVENUE RECEIPTS														
451	BOND SALE PROCEEDS							3,000,000	3,000,000					
TOTAL CLASS: 45 NON-REVENUE RECEIPTS														
							3,000,000	3,000,000						
TOTAL PROGRAM: 3522 CITY PARK FOUNTAIN IMPROVEMENTS														
		190,000		239,146		68,363		3,068,363	3,030,000	2,994,600				

BP WORKSHEET & JUSTIFICATION

FUND: 301 CAPITAL DEVELOPMENT FUND
DEPT: 03 REVENUE
PROGRAM: 3522 CITY PARK FOUNTAIN IMPROVEMENTS

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

301 BEGINNING WORKING CAPITAL

411 TRSFERS FROM GENERAL FUND
SEE RESERVE IN GENERAL FUND #001.03.0003.974 \$600,000

451 BOND SALE PROCEEDS
ISSUANCE OF \$9 MILLION SPECIAL REVENUE BOND SALE PROCEEDS.
\$6 MILLION WILL BE USED TO REIMBURSE THE GENERAL FUND FOR THE PUBLIC SAFETY BUILDING
FUNDING IN FY 2019-20.
\$3 MILLION WILL BE USED TO FUND THE CITY PARK FOUNTAIN PROJECT.

City of Beaverton - Finance
 Budget Preparation - 2021

BP WORKSHEET & JUSTIFICATION

FUND: 301 CAPITAL DEVELOPMENT FUND
 DEPT: 70 COMMUNITY DEVELOPMENT DEPT
 PROGRAM: 3522 CITY PARK FOUNTAIN IMPROVEMENTS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - PROPOSED		2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE

CLASS: 10 MATERIALS & SERVICES

497	DEBT ISSUANCE COST												
							8,800						
498	UNDERWRITERS DISCOUNT, BOND												
													26,600

TOTAL CLASS: 10 MATERIALS & SERVICES

							35,400						
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CLASS: 15 CAPITAL OUTLAY

682	CONSTRUCTION		5,909						2,800,000			2,764,600	
683	CONST DESIGN & ENGR INSPECTION	47,179	164,874	68,363		33,363	150,000					150,000	
688	IN-HOUSE ENGR OH CHARGE					5,000	80,000					80,000	

TOTAL CLASS: 15 CAPITAL OUTLAY

		47,179	170,783	68,363		38,363	3,030,000					2,994,600	
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CLASS: 30 FUND BAL/CONTINGENCY/RESERVES

991 CONTINGENCY - UNRESERVED

TOTAL CLASS: 30 FUND BAL/CONTINGENCY/RESERVES

TOTAL PROGRAM: 3522 CITY PARK FOUNTAIN IMPROVEMENTS

		47,179	170,783	68,363		73,763	3,030,000					2,994,600	
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BP WORKSHEET & JUSTIFICATION

FUND: 301 CAPITAL DEVELOPMENT FUND
DEPT: 70 COMMUNITY DEVELOPMENT DEPT
PROGRAM: 3522 CITY PARK FOUNTAIN IMPROVEMENTS

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

497 DEBT ISSUANCE COST
BOND ISSUANCE COST FOR 2020A-2 BOND ISSUANCE (\$3,000,000)

498 UNDERWRITERS DISCOUNT, BOND

682 CONSTRUCTION
CONSTRUCTION OF FOUNTAIN \$2,764,600

683 CONST DESIGN & ENGR INSPECTION
DESIGN FOR SAFETY AND OPERATIONAL IMPROVEMENTS \$150,000

688 IN-HOUSE ENGR OH CHARGE

991 CONTINGENCY - UNRESERVED

