

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

4058B	<p style="text-align: center;"><u>Program: Cooper Mountain Reservoir #2 and Transmission Mains (bonded) – 3622</u></p> Cooper Mountain (5.5 MG) Reservoir No. 3 (Siting and Land Purchase)
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4159 5090	<p style="text-align: center;"><u>Program: Withdrawal of Areas from TVWD – 3627 (bonded)</u></p> TVWD Water Service Transfer Program Manager Jenkins Road & Bridge Crossing – SW 153 rd to SW 158 th Avenue
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4051	<p style="text-align: center;"><u>Program: Scoggins Dam Raise Project– 3636</u></p> Scoggins Dam Raise (TBWSP)
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3635	<p style="text-align: center;"><u>Program: JWC Capacity Projects – 3635</u></p> JWC Capacity Projects – Water Treatment Plant (WTP) upgrade and expansion
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4126 4141	<p style="text-align: center;"><u>Program: Willamette River Water Supply – 3643 (bonded)</u></p> Willamette Water Supply Program – intake facility upgrade (WIF) WWSS Supply Intertie @ Cornelius Pass Road and TV Highway
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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			

443