



Water Construction Fund

- Increased Capacity Capital Projects

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2019-20 BUDGET

**WATER CONSTRUCTION FUND (MAJOR FUND)
SUMMARY OF REVENUES AND EXPENDITURES
AND OTHER FINANCING SOURCES & USES**

	<u>FY 2016-17 Actual</u>	<u>FY 2017-18 Actual</u>	<u>FY 2018-19 Budgeted</u>	<u>FY 2018-19 Estimated</u>	<u>FY 2019-20 Adopted</u>
Revenues:					
System development charges	\$176,990	\$1,517,100	\$1,200,000	\$1,000,000	\$1,000,000
Intergovernmental revenue	750,000	0	0	0	0
Interest on investments	11,557	11,043	280,000	335,700	346,600
Bond/financing proceeds	347,645	21,152,912	1,100,000	357,000	31,272,000
Miscellaneous	89,409	0	158,000	270,000	0
Sub Total Revenues	<u>\$1,375,601</u>	<u>\$22,681,055</u>	<u>\$2,738,000</u>	<u>\$1,962,700</u>	<u>\$32,618,600</u>
Expenditures:					
Personnel services	\$0	\$0	\$0	\$0	\$0
Materials & services	0	0	0	0	0
Capital outlay	4,038,523	5,966,154	15,621,271	12,984,400	37,457,000
Sub Total Expenditures	<u>\$4,038,523</u>	<u>\$5,966,154</u>	<u>\$15,621,271</u>	<u>\$12,984,400</u>	<u>\$37,457,000</u>
Revenues Over/Under Expenditures	(2,662,922)	16,714,901	(12,883,271)	(11,021,700)	(4,838,400)
Other financing sources (uses):					
Transfers in	\$1,776,000	\$1,230,000	\$1,000,000	\$1,000,000	\$2,000,000
Transfers out	0	0	0	0	0
Total Other Financing Sources (Uses):	<u>\$1,776,000</u>	<u>\$1,230,000</u>	<u>\$1,000,000</u>	<u>\$1,000,000</u>	<u>\$2,000,000</u>
Net Change in Fund Balance	(\$886,922)	\$17,944,901	(\$11,883,271)	(\$10,021,700)	(\$2,838,400)
Fund Balance/Working Capital					
Beginning of Year	<u>1,879,643</u>	<u>992,721</u>	<u>18,937,622</u>	<u>18,937,622</u>	<u>8,915,922</u>
Fund Balance (Contingency)/Working Capital					
End of Year	<u>\$992,721</u>	<u>\$18,937,622</u>	<u>\$7,054,351</u>	<u>\$8,915,922</u>	<u>\$6,077,522</u>

This fund accounts for water system construction costs funded through bond proceeds system development charges, and transfers from the water operating fund. Contingency represents the unused system development charges and bond sale proceeds which are available and allocated for construction projects in future years as identified in the City's Capital Improvement Plan.

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2019-20 BUDGET

FUND: 505 WATER CONSTRUCTION	DEPARTMENT: PUBLIC WORKS
	DEPARTMENT HEAD: DAVID DONALDSON

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.

REQUIREMENTS	FY 2016-17 ACTUAL	FY 2017-18 ACTUAL	FY 2018-19 BUDGETED	FY 2019-20 PROPOSED	FY 2019-20 ADOPTED
POSITION					
CAPITAL OUTLAY	\$4,038,523	\$5,966,154	\$15,621,271	\$37,467,000	\$37,457,000
TRANSFERS					
CONTINGENCY	0	0	7,054,351	6,067,522	6,077,522
TOTAL	\$4,038,523	\$5,966,154	\$22,675,622	\$43,534,522	\$43,534,522

Funding Sources:

	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2019-20
Beginning Working Capital	\$1,879,643	\$992,721	\$18,937,622	\$8,915,922	\$8,915,922
Intergovernmental Revenue	750,000	0	0	0	0
System Development Fees	176,990	1,517,101	1,200,000	1,000,000	1,000,000
Miscellaneous Revenue	100,966	11,043	438,000	346,600	346,600
Loan Proceeds	347,645	21,152,912	1,100,000	31,272,000	31,272,000
Transfers from:					
Water Fund	1,776,000	1,230,000	1,000,000	2,000,000	2,000,000

Funding of Projects:

3620 Water Extra Capacity Supply System	889,917	622,379	1,471,285	413,000	403,000
3621 ASR No. 5 Project	1,096,318	37,470	1,100,000	1,272,000	1,272,000
3622 Cooper Mtn Rsvr #2 and Water Lines	202,535	895,535	5,674,457	10,520,000	10,520,000
3623 Non Potable Purple Pipe Projects	69,128	283,897	1,289,105	2,585,000	2,585,000
3625 So. Cooper Mtn Water Capacity Proj	69	0	0	10,000	10,000
3627 Withdrawal of Areas from TVWD	1,681,277	2,788,481	1,683,000	2,740,000	2,740,000
3628 TVWD Opportunity Projects	0	0	0	250,000	250,000
3631 Meridian Pump Station Repl.	29,048	66,993	1,650,000	3,560,000	3,560,000
3636 Scoggins Dam Raise Project	0	0	4,000	3,000	3,000
3643 Willamette Water Supply System	42,895	314,432	337,983	44,000	44,000
3644 So. Cooper Mtn. Extra Capacity	27,336	956,967	1,761,441	0	0
3645 Willamette Water System Intertie	0	0	650,000	4,350,000	4,350,000
3646 Willamette Water Supply Project - Treatment, Storage & Transmission	0	0	0	11,720,000	11,720,000

CITY OF BEAVERTON, OREGON
FISCAL YEAR 2019-20 BUDGET

FUND: 505 WATER CONSTRUCTION	DEPARTMENT: PUBLIC WORKS
PROGRAM: INCREASED CAPACITY CAPITAL PROJECTS	DEPARTMENT HEAD: DAVID DONALDSON

Progress on FY 2018-19 Action Plan:

Significant water capacity projects budgeted, designed and/or constructed in FY 2018-19 include the following projects. Projects appear in the budget under the various funds and programs. Each project has its own identifier and may have allocations for various object codes such as Construction (#682) or Right of Way/Easement Costs (#652).

During FY 2018-19, the list of projects continued to grow as development opportunities occurred in the Cooper Mountain area and the city began a schedule of transferring water service responsibilities from the Tualatin Valley Water District (TVWD) for properties already within the city limits (allowed by the 40-year IGA the City and TVWD entered into in 2018). Additionally in FY 2018-19, the City signed an IGA with TVWD and City of Hillsboro to become a financial partner in the Willamette Water Supply Project (WWSP) providing the City with 5 mgd of new water supply by 2026. Both of these agreements require extensive construction of new capital assets, requiring additional borrowing and inherent rate increases to meet obligations of those bonds.

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 – Award final engineering for well and Sorrento Pump Station
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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
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FUND: 505 WATER CONSTRUCTION	DEPARTMENT: PUBLIC WORKS
PROGRAM: INCREASED CAPACITY CAPITAL PROJECTS	DEPARTMENT HEAD: DAVID DONALDSON

FY 2019-20 Action Plan:

During FY 2019-20, 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. Significant other extra-capacity water system improvements consists of:

Program: Water Extra Capacity- 3620

<u>CIP Project No.</u>	<u>CIP Project Name</u>
3328	Western Ave (5th ST - Allen Blvd)
3408	Hocken Ave (Railroad-TV highway)
4006	Water System Telemetry (annual upgrade project)
4046	Lloyd Water Line (Tualatin Valley Highway to Henry) - Upsize to 8", 500 LF
4078B	Sexton Mt. Pump Station Upgrade and Emergency Generator
4154	Urban Reserve Infrastructure Analysis (6B)
4161	Denney Road Crossing at HWY 217th - Replacement of 400 LF with 12" Waterline Upsizing
4168	Electric ST Water Line (Tualaway to 139th) - New 8"

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 Mt. Reservoir No. 2, preliminary design only
4058B	Cooper Mountain (5.5 MG) Reservoir No. 3 (Siting and Land Purchase)
4151A	175th Transmission Main, 24" (Winkleman Park to Alvord Lane, 4800lf)
4151B	Weir Road 16" Transmission Line - SW 173rd to SW 165th Avenue/city limits (2,000 LF)

Program: Non-Potable “Purple Pipe” Mains – 3623

4021G	ASR No. 3a in South Cooper Mt. (SCM) – Supply source to Non-potable purple-pipe water system
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Program: S. Cooper Mtn. SDC Projects – 3625

4158	AMI/Fixed Based Automated Meter Reading Infrastructure
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Program: Withdrawal of Areas from TVWD – 3627 (bonded)

4128i	Area 3 - COB Transmission Line Intertie - 106th Ave - Division to Davis Road w/ PRV (5,400 LF of 16")
4149	West Baseline (158th - 163rd) - 1600 LF of 16"
4159	TVWD Water Service Transfer Program Manager
4171	Area 4 – Master Meter (Schendel/Walker)
5088B	Area 4 - Waterhouse/Elmonica (Walker Ph. 2)
5090	Jenkins Road & Bridge Crossing – SW 153 rd to SW 158 th Avenue
5105	Waterhouse South Area 4 Withdrawal Area (Walker Ph. 3) - 4800 LF of 24" + PRV
??	Five Oaks School, 173rd to NW 167th, 12" water line, 1500 LF

Program: TVWD Opportunity Projects – 3628

4172	Metzger East Pipeline - Scholls Ferry Rd, Nimbus Ave to Allen Blvd (design)
4173	WWSP - SW Allen Blvd (design)
4174	WWSP - SW Western Ave (design)

Program: Meridian Pump Station – 3631

4107	Meridian Pump Station Replacement and Upgrade, complete final design, begin construction
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Program: JWC Capacity Projects – 3635

3635	JWC Capacity Projects – Water Treatment Plant (WTP) upgrade and expansion
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FISCAL YEAR 2019-20 BUDGET

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PROGRAM: INCREASED CAPACITY CAPITAL PROJECTS	DEPARTMENT HEAD: DAVID DONALDSON

Program: Willamette River Water Supply – 3643 (bonded)

4126 Willamette Water Supply Program – intake facility upgrade (WIF)
4141 WWSS Supply Intertie @ Cornelius Pass Road and TV Highway

Aquifer Storage and Recover (ASR) – ASR No. 5

During FY 19-20, final design engineering and land use approval will occur. The new ASR No. 5 (providing 2 MGD) will replace ASR No. 1 (out of service). The City’s future total peak pumping capacity from ASR wells will be 7 MGD consisting of ASR Well No. 2 (2 MGD), ASR Well No. 4 (3 MGD) and ASR Well No. 5 (2 MGD). The project is partially financed by a \$5 million loan and loan-forgiveness funds from the State of Oregon Infrastructure Finance Agency (IFA) and the US EPA with additional funding from the Water Construction Fund. ASR Well No. 5 is located at the existing Sorrento Reservoir and Pump Station site owned by the City of Beaverton in central Beaverton. ASR Well No. 5 was drilled to a depth of 945 feet and accesses a productive deposit of groundwater below 500 feet.

An increase in 2 MGD during average peak season water demand from ASR No. 5 will provide for an equivalent supply of potable water to approximately 18,700 residents (or 9,700 population per 1 million gallons per day), using current average-day per capita water use. The ASR capacity also provides for Beaverton residents in case of an emergency when water supply from the JWC is interrupted. Similar ASR benefits are expected in the future for undeveloped ASR Nos. 6 and 7 and 7a. This investment reserves the location and well for future needs when justified by growth in City water customer use by residents and businesses and for City-wide fire protection. This increases the reliability and capacity of supply both for the City of Beaverton and indirectly for the Joint Water Commission (JWC) partners.

The use of ASR by Beaverton is an important bridge during the next decade to conserve stored water in the event of: a drought period, imposed Scoggins reservoir fill restriction(s), water quality problems, seismic events up to the intensity of the Cascadia Subduction Zone earthquake, or other water-limiting events in the future. ASR 5 and other ASR facilities are believed to be more resilient during a large earthquake due to being located on top and penetrating into deep rock formations of more stable Columbia River Basalt. With the significant seismic risks now known concerning Scoggins Dam, the schedule is uncertain to strengthen and raise the existing, or replace the dam at a downstream location by the US Bureau of Reclamation.

South Cooper Mountain (SCM) Annexation Area and Urban Reserve Area 6B – Potable and Non-Potable Water Infrastructure

City’s engineering staff will continue to working with developers and other governmental agencies to ensure construction of regional and local potable water facilities within South Cooper Mountain. Construction was completed in FY 18-19 on 2,000 linear feet of 16” and 24” waterline in SW 175th Ave as part of the Washington County project to widen the roadway. City and SCM developers also constructed 4,800 linear feet of 24” waterline on SW 175th Avenue from Kemmer Road to Alvord Road and 16” waterline on Weir Road from SW 175th Avenue to SW 163rd Avenue to provide potable water from Kemmer to the South Cooper Mountain development area and existing upper elevation water service areas of the City.

The Metro Council made a decision in late 2018 to modify the current urban growth boundary to include Urban Reserve Area 6B. The South Cooper Mountain (SCM) (540 acres) area of Beaverton, annexed to the City in 2014; and the Metro Urban Reserve Area 6B (1,200 acres), when annexed to the City of Beaverton; is intended by Beaverton for future higher density urban development over the next 20 years. These areas are planned for eventual drinking (potable) water service by the City of Beaverton. An potable water infrastructure study is underway to prepare a concept plan to provide water, once annexed to the City, for the Urban Reserve Area 6B

The Beaverton Water Master Plan (completed November 2018) includes the South Cooper Mountain development area and recommends 5.5 million-gallon Cooper Mt. Reservoir No. 2. and associated Pumping Station, as well as development of ASR well Nos. 7 and 7a, now in preliminary design (CIP 4058A). The project also includes 24” waterline on SW 175th Avenue (Kemmer to Alvord) and 16” on Weir Road (175^h Ave. to SW 163rd Avenue).

The Non-Potable (Purple Pipe) Water System for South Cooper Mountain and Area 6B is to partially mitigate the increase in potable water demand related to non-potable water uses (e.g., landscaping irrigation, decorative fountains and ponds, outdoor use, toilet flushing). Benefits of a non-potable water supply include demonstrating progress with the city’s sustainability efforts

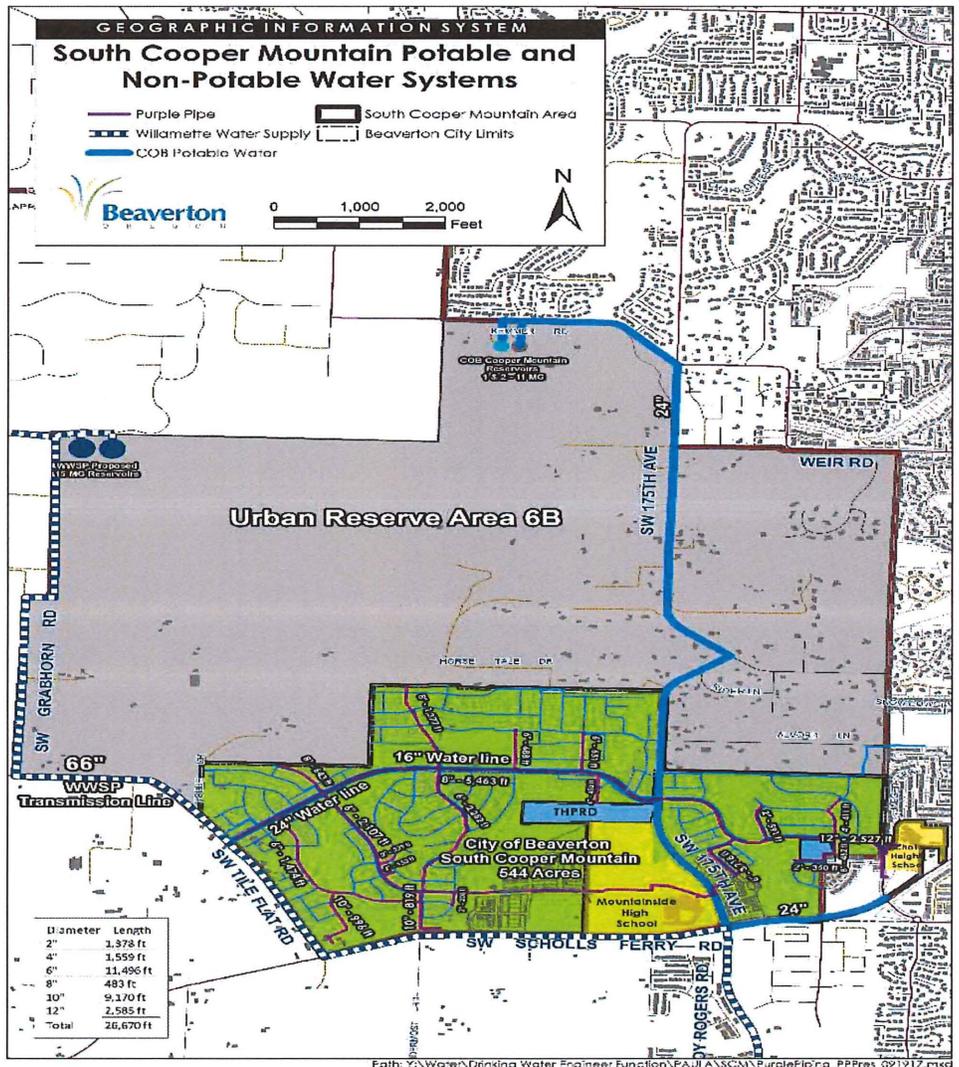
CITY OF BEAVERTON, OREGON
FISCAL YEAR 2019-20 BUDGET

FUND: 505 WATER CONSTRUCTION	DEPARTMENT: PUBLIC WORKS
PROGRAM: INCREASED CAPACITY CAPITAL PROJECTS	DEPARTMENT HEAD: DAVID DONALDSON

- as it offsets potable water used for drinking, fire protection and increasing summer peak demands. It also would reduce and potentially postpone costly increases in our treated-water capacity. Summer potable water demand is about 60% higher than winter demand due mainly to irrigation and outdoor use.

A sophisticated potable-to-non-potable interconnect system was completed in summer 2018, which supplies water from the City's potable system to the purple pipe distribution system and using telemetry remotely monitors the downstream pressure and measures the non-potable water demand so that flow capacity is maintained for continuous summer irrigation as the purple pipe system is progressively extended with development. The interconnection system is monitored and operated by Water Operations staff using the City's water system SCADA/telemetry system. The purple pipe system is partially operational at this time with potable water until non-potable water is available. To date, about 2 miles of purple pipe distribution system has been installed in developing areas of SCM.

With the approval of Metro's Urban Reserve Area 6B to be added to the growth boundary, and with mandatory annexation to the City for high density development, the non-potable system/purple pipe system is expected to eventually cover the 1,200-acre area in the upper elevations of the south side of Cooper Mountain. Metro estimates UR Area 6B could yield 3,760 new homes and about 9,000 population once fully developed.



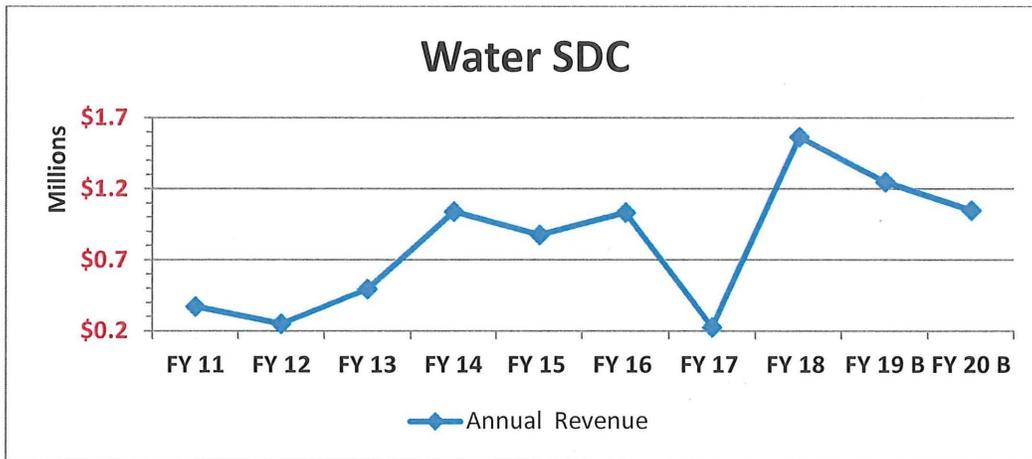
CITY OF BEAVERTON, OREGON
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System Development Charges

The 2018 Water Master Plan was adopted by Council in November 2018. The City’s water system development charges will be adjusted to help fund some of the improvements listed in the master plan. The current SDC for a typical water meter serving a single-family home is \$6,255.

This graph illustrates the trend line of this important revenue source for water system capital investments. In cases where a developer is required by the City to oversize water mains, SDC credits are provided, for qualified public improvements, to the development as a provision of State law.



City of Beaverton
CIP Financial Plan - Water
FY 2019-20 Adopted

Fund #	Proj #	CIP #	Project Name	Funding Source					
				Anticipated ENTIRE Project Total	SDC	Bond Proceeds	IFA Loan Proceeds	Operating: Maint & Replacement	Funding Total
Water Capital Improvement Projects:									
501	3611	3611	JWC Projects					1,460,000	1,460,000
501	3611	?	Barney Reservoir					50,000	50,000
Totals - 3611 Joint Water Commission Projects				-	-	-	-	1,510,000	1,510,000
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				-	-	-	-	-	-
501	3701	3410	Shared Use Path along Denney Rd (King Blvd-Fanno Creek Trailhead)					-	-
501	3701	3321	Westgate Dr/Cedar Hills Blvd.Dawson Wy Intersection Realignment - JIM					50,000	50,000
501	3701	3519A	Canyon Rd Intersection Improvements (MSTIP)					10,000	10,000
501	3701	4060	Water System Security Upgrades					50,000	50,000
501	3701	4111	Hyland Way					22,500	22,500
501	3701	4120	Taralynn Avenue - Allen Blvd. to end (1,000 LF of 6")					210,000	210,000
501	3701	4134	Davies/Brockman; Weir Rd/158th Ave PRV Upgrades					265,000	265,000
501	3701	4144	Spirea and CherryHill Dr (400LF 6" and 1400 8") - 1*					-	-
501	3701	4152	Chestnut Pl (6" water line) - 1*					-	-
501	3701	4170	Nimbus South - Hall to Scholls (System Upgrade) - NEW ?					-	-
501	3701	6095	Sellwood Subdivision 11th Street - Lee to Alger - (1,150 LF 6" DIP) ?					280,000	280,000
501	3701	4078C	Sexton Mt. Pump Station Upgrade and Emergency Generator, Phase 3, design					130,000	130,000
501	3701	4135 (1*)	Griffith Drive Waterline Replacement, 3,100 LF of 8" (1*)					-	-
501	3701	4158	AMI/Fixed Based Automated Meter Reading Infrastructure - (antenna(s) tower & communication network, meters for SCM)					50,000	50,000
501	3701	4169A (3*)	Nimbus North - Hall to Denney Commerce Center (System Upgrade) - NEW - Phase 1 of 3 - 1*					640,000	640,000
501	3701	4169B (3*)	Nimbus North - Hall to Denney Commerce Center (System Upgrade) - NEW - Phase 2 of 3 - 1*					30,000	30,000
501	3701	4169C (3*)	Nimbus North - Hall to Denney Commerce Center (System Upgrade) - NEW - Phase 3 of 3 - 1*					-	-
Totals - 3701 Water System Improvements				-	-	-	-	1,737,500	1,737,500
505	3620	3328	Western Ave (5th st - Allen Blvd) Improvement		20,000				20,000
505	3620	3408	Hocken Ave (RR-TV highway)		18,000				18,000
505	3620	4006	Water System Telemetry (annual upgrade project)		110,000				110,000
505	3620	4018	Wellhead Protection		5,000				5,000
505	3620	4021H	ASR Well No. 7 (Cooper Mt. ASR, well maintenance/testing)		10,000				10,000
505	3620	4021F	ASR Well No. 6 (well maintenance/testing)		10,000				10,000
505	3620	4046	Lloyd Water Line (TVH to Henry) - Upsize to 8", 500 LF - NE		10,000				10,000
505	3620	4078B	Sexton Mt. Pump Station Upgrade and Emergency Generator, Phases 3, 4, 5 (also in 3701)		-				-
505	3620	4154	Urban Reserve Infrastructure Analysis (6B)		100,000				100,000
505	3620	4161	Denney Road Crossing at HW 217th - Replacement of 400 LF with 12" Waterline Upsizing. NEW.		10,000				10,000
505	3620	4168	Electric Water Line (Tualaway to 139th) - New 8" - NEW ?		110,000				110,000
Totals - 3620 Extra Capacity Projects				-	403,000	-	-	-	403,000

City of Beaverton
CIP Financial Plan - Water
FY 2019-20 Adopted

Fund #	Proj #	CIP #	Project Name	Funding Source					
				Anticipated ENTIRE Project Total	SDC	Bond Proceeds	IFA Loan Proceeds	Operating: Maint & Replacement	Funding Total
505	3621	4021D	ASR Well No. 5 (includes combined facility w/Sorrento PS seismic upgrades)				1,272,000		1,272,000
Totals - 3621 ASR Well No. 5					-	-	1,272,000	-	1,272,000
505	3622	4058A	Cooper Mountain (5.5 MG) Reservoir No. 2 (Bond)			4,500,000			4,500,000
505	3622	4058B	Cooper Mountain (5.5 MG) Reservoir No. 3 (Siting and Land Purchase)(Bond)			1,020,000			1,020,000
505	3622	4151A	175th Transmission Main, 24" (Winkleman Park to Alvord Lane, 4800lf)(Bond)			3,750,000			3,750,000
505	3622	4151B	Weir Road 16" Transmission Line - SW 173rd to SW 165th Avenue/city limits (2,000 LF)(Bond)			1,250,000			1,250,000
Totals - 3622 Cooper Mountain Reservoir #2 & Water Lines (Bond)				-	-	10,520,000	-	-	10,520,000
505	3623	4021G	South Cooper Mt. - Non-potable (purple pipe) Water System		2,585,000				2,585,000
Totals - 3623 Non-Potable Purple Pipe Projects					2,585,000	-	-	-	2,585,000
505	3625	6083	South Cooper Mt. Infrastructure (Potable)		10,000				10,000
Totals - 3625 (South Cooper Mtn. Water SDC Projects)					10,000	-	-	-	10,000
505	3627	4128i	Area 3 - COB Transmission Line Intertie - 106th Ave - Division to Davis Road w/ PRV (5,400 LF of 16") (Bond)						-
505	3627	4149	West Baseline (158th - 163rd) - 1600 LF of 16" (Bond)						-
505	3627	4159	TVWD Program Manager			880,000			880,000
505	3627	4171	Master Meter (Schendel/Walker)			150,000			150,000
505	3627	5090	Jenkins Waterline Extension - 153rd Ave to Merlo (opportunity project) (Bond)			450,000			450,000
505	3627	5105	Waterhouse South Area 4 Withdrawal Area (Bond) (Walker Ph 3) - 4800 LF of 24" + PRV			750,000			750,000
505	3627	?	Five Oaks School, 173rd to NW 167th, 12" water line, 1500 LF			490,000			490,000
505	3627	5088B	Waterhouse/Elmonica Area,Withdrawal Area 4 (Bond) (Walker Ph 2)			20,000			20,000
Totals - 3627 (Withdrawal of Areas from TVWD) (Bond)				-	-	2,740,000	-	-	2,740,000
505	3628	4172	TVWD opportunity projects - Metzger East Pipeline - Scholls Ferry Rd, Nimbus Ave to Allen Blvd			100,000			100,000
505	3628	4173	TVWD opportunity projects - WWSP - SW Allen Blvd			75,000			75,000
505	3628	4174	TVWD opportunity projects - WWSP - SW Western Ave			75,000			75,000
Totals - 3628 - TVWD Opportunity Projects						250,000	-	-	250,000
505	3631	4107	Meridian Pump Station Replacement (Bond)			3,560,000			3,560,000
Totals - 3631 Meridian Pump Station (Bond)						3,560,000	-	-	3,560,000
505	3635	3635	JWC Capacity Projects - WTP upgrade and expansion ?		TRUE				-
Totals - 3635 JWC Capacity Projects					-	-	-	-	-
505	3636	4051	Scoggins Dam Replacement - Modification (TBWSP)		3,000				3,000
Totals - 3636 Scoggins Dam Raise					3,000	-	-	-	3,000
505	3646	4126	Willamette Water Supply Program (WWSP) [WIF Buy-in Cost from TVWD]			11,720,000			11,720,000
Totals - 3643 Willamette Water Supply WIF (Bond)						11,720,000	-	-	11,720,000

**City of Beaverton
CIP Financial Plan - Water
FY 2019-20 Adopted**

Fund #	Proj #	CIP #	Project Name	Funding Source					
				Anticipated ENTIRE Project Total	SDC	Bond Proceeds	IFA Loan Proceeds	Operating: Maint & Replacement	Funding Total
505	3645	4142	Tile Flat (WWSP - COB Intertie) Fluoridation and Pump Station			750,000			750,000
505	3645	4141	WWSP Supply Intertie (opportunity project) @ Cornelius Pass Road/TV Hwy. (Bond)			3,100,000			3,100,000
505	3645	4143	NTL / STL Intertie and Transmission Line Phase 1 (170th from SW Shaw to Baseline) - 7200 LF of 24"			500,000			500,000
505	3645	4143	NTL / STL Intertie and Transmission Line (Corn Pass/Hwy 26 to Evergreen/Cornell) - Phase 2 (Century Blvd NTL at Gordon Faber Rec Complex to Evergreen Pkwy) - 900 LF of 24"			-			-
505	3645	4143	NTL / STL Intertie and Transmission Line (Corn Pass/Hwy 26 to Evergreen/Cornell) - Phase 3 (173rd - Baseline to Cornell) - 9000 LF of 24"			-			-
505	3645	4143	NTL / STL Intertie and Transmission Line (Corn Pass/Hwy 26 to Evergreen/Cornell) - Phase 4 (Cornell - Evergreen Pkwy - 173rd to Century) - 16,500 LF of 24"			-			-
505	3645	4143	NTL Intertie (possible grant funding)			-			-
Totals - 3645 Willamette Water Supply Interties (Bond)						4,350,000			4,350,000
505	3643	4155	Willamette Intake Facility (WIF) - Operational/Managing Agency			9,000			9,000
505	3643	4155	Willamette Intake Facility (WIF) - Capital			35,000			35,000
Total - 3645 Willamette Intake Facility (WIF)						44,000			44,000
Totals =>					3,001,000	33,184,000	1,272,000	3,247,500	40,704,500