

**City of Olympia**  
**Drinking Water Utility**  
**Capital Projects List and Cashflow**

Updated: September 20, 2019 ETC

Description	2019	2020	2021	2022	2023
<b>Annual Capital Starting Reserves</b>	5,147,831	8,599,025	4,727,319	2,303,613	738,907
<b>Annual CIP Funding</b>	1,147,294	1,247,294	1,247,294	1,247,294	1,247,294
<b>Transfer from Operating Budget</b>	2,800,000	200,000	200,000	200,000	200,000
<b>Annual GFCs Estimated</b>	700,000	700,000	700,000	700,000	700,000
<b>Loan Funding</b>	1,584,900				2,592,000
<b>Asphalt Overlay Adjustments</b>					
Asphalt Overlay Adjustments	14,000	14,000	14,000	14,000	14,000
<b>Small Diameter Water Pipe Replacement</b>					
Small Diameter Water Pipe Replacement	500,000		667,000		667,000
<b>Transmission and Distribution</b>					
Kaiser Road Water Main	814,000				
26th Avenue Sidewalk Project	304,000				
West Bay Booster Pump Station	348,000				
Indian Summer Chlorination	10,000	140,000			
Elliott Avenue Sidewalk	10,000	20,000		250,000	
Legion and Franklin Road Improvements	10,000	50,000	357,000		
36" Main Condition Assessment and Seismic Valves	10,000	140,000	150,000		
Aging Pipe Replacement	576,000		-		667,000
Asset Management Program	45,000	50,000	50,000	50,000	50,000
Corrosion Control Aeration Tower Condition Assessment & Upgrades			35,000		35,000
Cross Country Mains		25,000		25,000	
Distribution and Transmission Main Condition Assessment			150,000		150,000
Distribution System Oversizing		35,000	35,000	35,000	35,000
Security and Remote Systems Plan	30,000	50,000	50,000	50,000	50,000
Water Meter Replacement Program		312,000			
Fones Road Water Main Construction		500,000		2,319,000	
Eastside St and Henderson Blvd Water Main Extension Design					
Eastside St and Henderson Blvd Water Main Extension Construction					
Percival Creek Water Main					

Description	2019	2020	2021	2022	2023
<b>Water Storage Systems</b>					
Elliot Reservoir Seismic Retrofit Construction*		963,000			
Fir Street #1 and #2 Reservoirs Seismic Retrofit Construction*		798,000			
Hoffman Court Reservoir Rehabilitation Construction*			2,400,000		
Boulevard Road Reservoir Rehabilitation Construction*		1,923,000			
Reservoir Cleaning, Inspection and Evaluation		50,000	50,000	50,000	50,000
<b>Water Source Development &amp; Protection</b>					
McAllister Wellfield Mitigation (Smith Property Restoration)		36,000	36,000	36,000	36,000
McAllister Wellfield Mitigation (Woodland Creek Infiltration Facility)		13,000	13,000	13,000	13,000
Hoffman Well Treatment Design				720,000	
Hoffman Well Treatment Construction					2,880,000
Briggs Well Design					720,000
Briggs Well Construction					
Olympia Brewery Wellfield Activities	20,000	200,000	180,000		
<b>Groundwater Protection</b>					
Groundwater Protection (Eastments, Appraisels,etc.)	50,000	150,000	100,000		
<b>Reclaimed Water</b>					
Reclaimed Water Filling Stations			134,000		
<b>Infrastructure Pre-Design and Planning</b>					
Pre-Design and Planning	40,000	150,000	150,000	150,000	150,000
<b>Water System Planning</b>					
Update of six-year Water System Plan		400,000			
<b>ANNUAL TOTAL</b>	<b>\$ 2,781,000</b>	<b>\$ 6,019,000</b>	<b>\$ 4,571,000</b>	<b>\$ 3,712,000</b>	<b>\$ 5,517,000</b>

\* Loan funded

**City of Olympia**  
**Wastewater Utility**  
**Capital Projects List and Cashflow**

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Description	2019	2020	2021	2022	2023
<b>2019 Capital Starting Reserves</b>	7,919,444	8,366,745	4,444,046	1,913,347	801,648
<b>Annual CIP Funding</b>	741,301	741,301	741,301	741,301	741,301
<b>Transfer from Operating Budget (Est.)</b>	1,700,000	100,000	100,000	100,000	100,000
<b>Annual GFCs (Estimated)</b>	800,000	800,000	800,000	800,000	800,000
<b>Asphalt Overlay Adjustments</b>					
Asphalt Overlay Adjustments	14,000	14,000	14,000	14,000	14,000
<b>Replacements and Repairs</b>					
SE Area Odor Control	245,000				
Ken Lake Grinder Pumps	10,000	40,000			
Prioritized Repairs	880,000	593,000	593,000	593,000	593,000
Cooper Crest Force Main Emergency Repair	50,000				
Spot Repairs		134,000	134,000	134,000	134,000
Manhole Repair and Replacement	280,000		134,000		
East Bay Manholes	40,000	200,000			
Side Sewer Repairs		30,000	30,000	30,000	30,000
STEP Rehabilitation		233,000	233,000	233,000	233,000
Asphalt for Sewer Repairs		29,000	29,000	29,000	29,000
<b>Lift Stations</b>					
East Bay Force Main Relocation	59,000				
Water Street Lift Station Tide Gates	116,000				
Water Street Lift Station Generator	95,000	372,000			
Water Street Lift Station Soil Contamination	25,000				
Ken Lake Lift Station Access Improvements	5,000	10,000			
Old Port 1 Lift Station Design	360,000				
Old Port 1 Lift Station Construction		1,607,000			

**City of Olympia**  
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Description	2019	2020	2021	2022	2023
Miller and Central Lift Station Upgrade Construction		940,000			
Miller and Ann Lift Station Upgrade Design		110,000			
Miller and Ann Lift Station Upgrade Construction			455,000		
Rossmoor Lift Station Upgrade Design			228,000		
Rossmoor Lift Station Upgrade Construction				948,000	
Old Port II Lift Station Upgrade Design					354,000
<b>Pipe Extensions</b>					
Gravity Sewer Extensions		-			
AC Force Main Upgrades, Phase 1					
<b>Pipe Capacity Upgrades</b>					
4th Ave Sewer			1,550,000		
Jefferson St Sewer (Phase 1)					2,230,000
<b>Sewer System Planning</b>					
Sewer System Televising and Condition Rating Program		29,000	29,000	29,000	29,000
Sewer Force Main Condition Assessment Program		38,000	38,000	38,000	38,000
Asset Management Implementation & Maintenance		29,000	29,000	29,000	29,000
<b>Onsite Sewage System Conversions</b>					
Chambers Creek Apartment STEP	150,000				
South Bay Grinder Sewer System	345,000				
Neighborhood Sewer Extension - 6th Avenue NW		426,000			
Neighborhood Sewer Extensions - Van Epps		480,000			
Neighborhood Sewer Extensions	.		426,000	426,000	426,000
<b>Infrastructure Pre-Design and Planning</b>					
Pre-Design and Planning	120,000	250,000	250,000	250,000	250,000
<b>ANNUAL TOTALS</b>	<b>\$ 2,794,000</b>	<b>\$ 5,564,000</b>	<b>\$ 4,172,000</b>	<b>\$ 2,753,000</b>	<b>\$ 4,389,000</b>

**City of Olympia**  
**Storm & Surface Water Utility**  
**Capital Projects List and Cashflow**

Updated: September 20, 2019 ETC

Description	2019	2020	2021	2022	2023
<b>Annual Capital Starting Reserves</b>	\$ 1,500,566	\$ 1,302,856	\$ (180,754)	\$ (2,180,564)	\$ (3,536,374)
<b>Annual CIP Funding</b>	\$ 487,690	\$ 487,690	\$ 487,690	\$ 487,690	\$ 487,690
<b>Transfer from Operating Budget (Est.)</b>	\$ 700,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000
<b>Annual GFCs (Estimated)</b>	\$ 210,000	\$ 210,000	\$ 210,000	\$ 210,000	\$ 210,000
<b>Loan-funding</b>				\$ 5,000,000	
<b>Grant-funding</b>	\$ 100,800	\$ 550,200	\$ 1,074,000	\$ 768,000	\$ 330,300
<b>Asphalt Overlay Adjustments</b>					
Asphalt Overlay Adjustments	\$ 186,500	\$ 186,500	\$ 14,000	\$ 14,000	\$ 14,000
<b>Aquatic Habitat Improvements</b>					
Habitat Improvement/Stewardship	\$ 273,000	\$ 273,000	\$ 273,000	\$ 273,000	\$ 273,000
Ellis Creek Fish Passage *#					\$ 375,000
Mission Creek Fish Passage - Design					\$ 100,000
Schneider Creek Fish Passage - Design	\$ 60,000	\$ 230,000			
Indian Creek Fish Passage - 1400 Block of Frederick Street					
<b>Water Quality Improvements</b>					
Neighborhood LID Design Grant	\$ 35,000	\$ 115,000			
Harrison Water Quality Retrofit Design and Construction	\$ 133,000	\$ 402,000			
Brawne Avenue Retrofit (West Bay #5)		\$ 200,000	\$ 600,000		
Capitol Way Water Quality Retrofit		\$ 80,000	\$ 80,000	\$ 480,000	
Fones Road Water Quality Retrofit		\$ 120,000	\$ 560,000		
Martin Way at Mary Elder Water Quality Retrofit			\$ 550,000		
Plum Street Water Quality Retrofit				\$ 800,000	
Evergreen Park Drive Treatment Facility Construction					\$ 550,500
East Bay Drive					
South Capitol Combined Sewer/Storm Separation w/ LID					
West Bay Drive Retrofit (West Bay #17)					
<b>Flood Mitigation and Collection</b>					
Conveyance Spot Repairs (Pipe Replacement)	\$ 79,000	\$ 79,000	\$ 79,000	\$ 79,000	\$ 79,000

**City of Olympia**  
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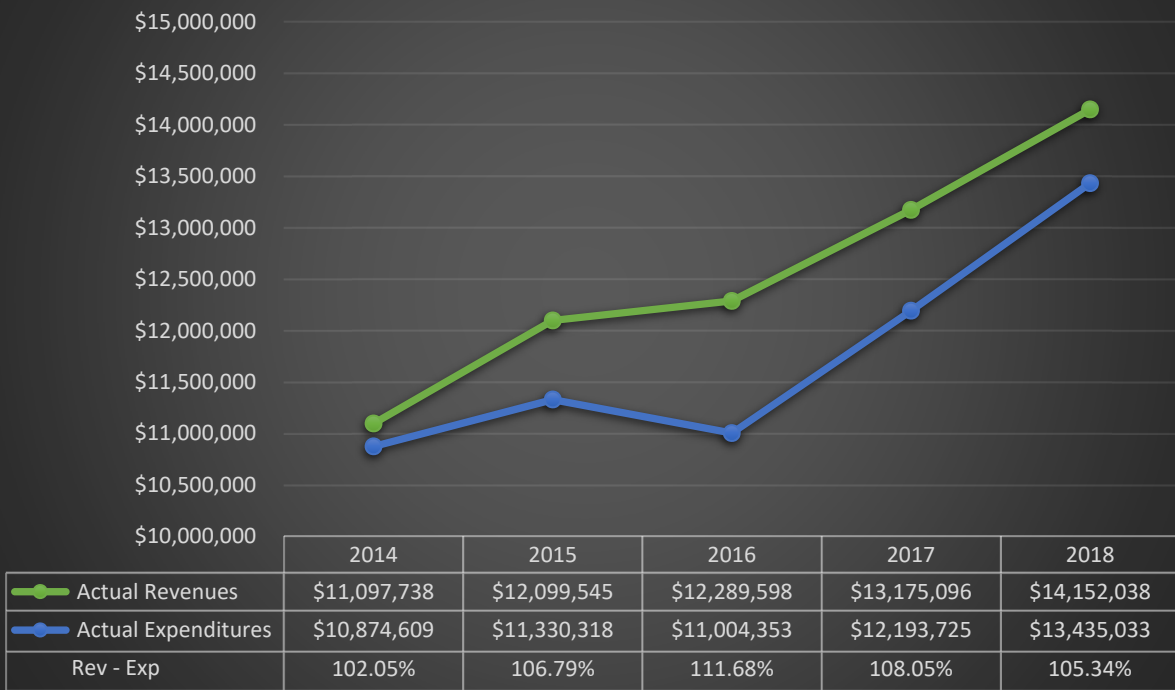
Description	2019	2020	2021	2022	2023
Condition Rating Existing Conveyance	\$ 142,200	\$ 142,000	\$ 142,000	\$ 143,000	\$ 35,000
Public Pond Rehabilitation ("City Owned Stormwater Pond Rehab")	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Downtown Flood Mitigation	\$ 122,500	\$ 123,000	\$ 122,500	\$ 122,500	
Pifer Road Emergency Repair	\$ 30,000				
Harrison Avenue Pipe Repair	\$ 160,000				
Black Lake Ditch Stabilization	\$ 35,000	\$ 165,000			
Fiddlehead Outfall Tide Gate	\$ 30,000	\$ 125,000			
Sea Level Rise Adaptation		\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000
Ascension and 4th Avenue Facility	\$ 30,000	\$ 60,000	\$ 187,000		
Cooper Point and Black Lake Conveyance	\$ 50,000	\$ 200,000	\$ 500,000	\$ 5,000,000	
Ken Lake Flood Conveyance			\$ 184,000	\$ 490,000	
Wiggins Road Ditch Reconstruction		\$61,000	\$250,000	\$250,000	\$250,000
Pacific Avenue at Chambers - Pipe Replacement					
<b>Infrastructure Predesign and Planning</b>					
Infrastructure Predesign and Planning	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Pervious Pavement Contingency Fund	\$ 160,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000
Storm and Surface Water Utility Master Plan Update					\$ 150,000
Drainage Design and Erosion Control Manual Updates			\$ 60,000		
Asset Management Program	\$ 70,000	\$ 70,000	\$ 70,000	\$ 70,000	\$ 70,000
<b>ANNUAL TOTALS</b>	<b>\$ 1,696,200</b>	<b>\$ 2,881,500</b>	<b>\$ 3,921,500</b>	<b>\$ 7,971,500</b>	<b>\$ 2,146,500</b>
<b>Sea Level Rise</b>					
Outfall Consolidation - East Bay					
Outfall Consolidation - Capitol Lake					
<i>Outfall Consolidation - West Bay</i>					
North Trunk Line*					
North Trunk Line Laterals*					
South Trunk Line*					
South Trunk Line Laterals*					
Outfall Pipe from Structure to Bay*					
<i>Flood Barrier Construction - Phase I (1 foot SLR)</i>					
Capitol Lake/Heritage Park Area*					
West Bay Marina* low					

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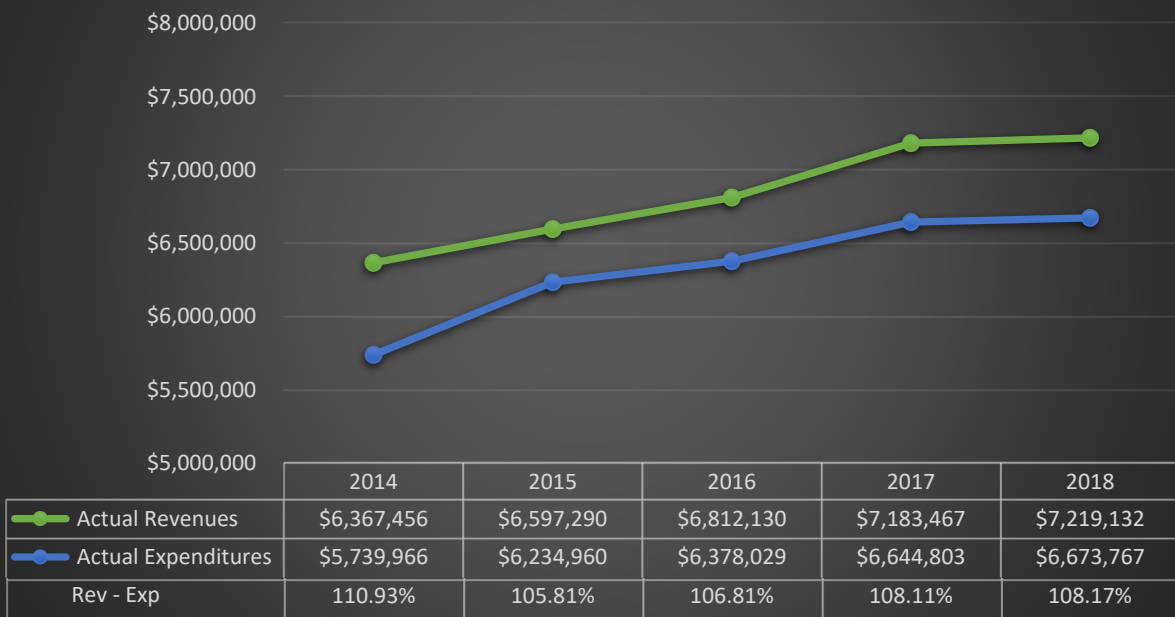
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Description	2019	2020	2021	2022	2023
Yacht Club Peninsula*					
West Side Port Peninsula*					
North Shoreline Port Peninsula*					
East Shoreline Port Peninsula*					
500 cfs Pump Station*					
50 cfs Pump Station*					
Small Pump Station*					
Tide Gate Installation					
* = 25% Engineering, 75% Construction					
<b>Yearly Program Funding Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
	<b>\$ 1,696,200</b>	<b>\$ 2,881,500</b>	<b>\$ 3,921,500</b>	<b>\$ 7,971,500</b>	<b>\$ 2,146,500</b>

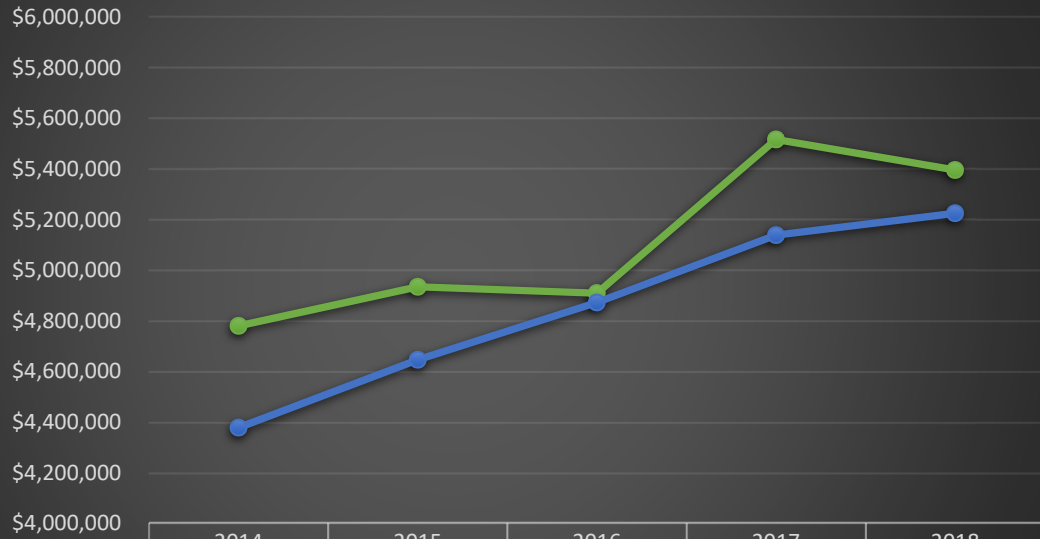
### Drinking Water Utility Actual Revenues vs. Expenditures



### City Wastewater Utility Actual Revenues vs. Expenditures



## Storm & Surface Water Utility Actual Revenues vs. Expenditures



	2014	2015	2016	2017	2018
Actual Revenues	\$4,780,818	\$4,935,011	\$4,910,054	\$5,517,386	\$5,396,662
Actual Expenditures	\$4,378,763	\$4,646,867	\$4,873,124	\$5,139,364	\$5,225,708
Rev - Exp	109.18%	106.20%	100.76%	107.36%	103.27%

**City of Olympia**  
**General Facilities Charges History**

	<b>2016</b>	<b>2016 Increase</b>	<b>2017</b>	<b>2017 Increase</b>	<b>2018</b>	<b>2018 Increase</b>	<b>2019</b>	<b>2019 Increase</b>	<b>2020</b>	<b>2020 Increase</b>
<b>Drinking Water</b>	\$3,918	6.3%	\$4,180	6.7%	\$4,433	6.1%	Same as 2018	0.0%	Same as 2018	0.0%
<b>Wastewater</b>	\$3,442	3.0%	Same as 2016	0.0%	Same as 2016	0.0%	Same as 2016	0.0%	Same as 2016	0.0%
<b>Storm and Surface Water*</b>	\$1,190 plus \$4.50 trip charge = \$1,232.48	1.9%	Same as 2016	0.0%	Same as 2016	0.0%	\$1,309 plus \$6.00 trip charge = \$1,365.64	10.0%	\$1,440 plus \$6.60 trip charge = \$1,502.30	10.0%
<b>LOTT CDC</b>	\$5,354	4.2%	\$5,579	4.2%	\$5,810	4.1%	\$6,049	4.1%	\$6,231	3.0%
<b>TOTAL:</b>	<u>\$13,946</u>	4.3%	<u>\$14,391</u>	3.2%	<u>\$14,875</u>	3.4%	<u>\$15,290</u>	2.8%	<u>\$15,608</u>	2.1%

\* Note: A single family residence is estimated to generate 9.44 vehicle trips per day