


APPENDIX B

Financial Analysis



City of Puyallup
Sewer Rate Model
Summary

Revenue Requirement Summary	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Revenue At Existing Rates												
Rate Revenue	\$ 9,478,326	\$ 9,788,505	\$ 9,886,390	\$ 9,985,254	\$ 10,085,106	\$ 10,185,957	\$ 10,287,817	\$ 10,390,695	\$ 10,494,602	\$ 10,599,548	\$ 10,705,543	\$ 10,812,599
Other Revenues	137,290	149,811	155,987	170,420	154,572	163,928	176,065	191,343	172,249	159,930	172,271	162,803
Total	\$ 9,615,616	\$ 9,938,316	\$ 10,042,376	\$ 10,155,673	\$ 10,239,678	\$ 10,349,885	\$ 10,463,882	\$ 10,582,038	\$ 10,666,851	\$ 10,759,478	\$ 10,877,815	\$ 10,975,401
Expenses												
Operating Expenses	\$ 5,951,994	\$ 6,794,662	\$ 6,973,192	\$ 7,180,690	\$ 7,395,090	\$ 7,616,640	\$ 7,845,596	\$ 8,082,223	\$ 8,326,796	\$ 8,579,604	\$ 8,840,942	\$ 9,111,121
Debt Service	2,329,746	2,290,070	2,334,065	1,672,971	1,129,761	1,123,808	671,177	374,006	373,881	377,541	375,594	378,241
System Reinvestment Funding	-	-	-	-	-	-	-	1,970,256	1,937,859	2,054,257	2,112,087	2,144,419
Rate-Funded Capital	-	-	1,371,732	8,061,044	2,934,068	2,483,592	2,820,475	8,028,896	6,985,631	2,094,267	6,590,188	3,819,330
Reserve Funding	-	-	-	-	-	-	-	-	-	-	-	-
Total	\$ 8,281,740	\$ 9,084,732	\$ 10,678,988	\$ 16,914,705	\$ 11,458,919	\$ 11,224,040	\$ 11,337,249	\$ 18,455,381	\$ 17,624,168	\$ 13,105,669	\$ 17,918,811	\$ 15,453,110
Net Cash Flow At Existing Rates	\$ 1,333,876	\$ 853,583	\$ (636,612)	\$ (6,759,032)	\$ (1,219,241)	\$ (874,155)	\$ (873,367)	\$ (7,873,343)	\$ (6,957,317)	\$ (2,346,191)	\$ (7,040,996)	\$ (4,477,709)
Annual Rate Adjustment Implemented	0.00%	0.00%	21.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	2.00%	2.00%	0.00%
Bimonthly Residential Bill @ 8 ccf	\$113.23	\$116.36	\$140.80	\$145.02	\$149.37	\$153.85	\$158.47	\$163.22	\$168.12	\$171.48	\$174.91	\$174.91
Net Cash Flow After Rate Adjustments	\$ 1,342,149	\$ 859,012	\$ 1,574,281	\$ (4,537,097)	\$ 1,364,967	\$ 2,154,486	\$ 2,780,007	\$ (4,097,199)	\$ (2,745,113)	\$ 2,184,362	\$ (2,180,568)	\$ 431,304
Coverage Ratio Realized After Rate Adjustments	2.32	2.01	3.46	4.50	5.38	6.00	17.53	18.57	19.36	19.61	20.23	19.78
Coverage Ratio Required	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
Ending Operating Fund Balance	\$ 2,919,196	\$ 2,674,110	\$ 5,295,854	\$ 1,858,756	\$ 3,459,812	\$ 5,614,298	\$ 8,394,306	\$ 4,297,107	\$ 1,551,994	\$ 3,736,356	\$ 1,555,788	\$ 1,987,092
Equivalent Days of Operating Expenses	179 Days	144 Days	277 Days	94 Days	171 Days	269 Days	391 Days	194 Days	68 Days	159 Days	64 Days	80 Days
Minimum Balance (Days of Operating Expenses)	60 Days	60 Days	60 Days	60 Days	60 Days	60 Days	60 Days	60 Days	60 Days	60 Days	60 Days	60 Days
Summary of Capital Fund Projections												
Beginning Balance	\$ 10,466,924	\$ 11,414,938	\$ 4,588,896	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,970,256	\$ 1,937,859	\$ 2,054,257	\$ 2,112,087
Plus: Interest Earnings	52,335	57,075	22,944	-	-	-	-	-	9,851	9,689	10,271	10,560
Plus: Transfer from Operating Fund	-	-	-	-	-	-	-	-	-	-	-	-
Plus: System Development Charges	788,677	630,958	637,268	643,640	650,077	656,577	663,143	669,775	676,472	683,237	690,069	696,970
Plus: System Reinvestment Funding	-	-	-	-	-	-	-	1,970,256	1,937,859	2,054,257	2,112,087	2,144,419
Plus: Direct Rate Funding for Capital Projects	-	-	1,371,732	8,061,044	2,934,068	2,483,592	2,820,475	8,028,896	6,985,631	2,094,267	6,590,188	3,819,330
Plus: Proceeds from New Public Works Trust Fund Loans	-	-	-	-	-	-	-	-	-	-	-	-
Plus: Proceeds from New Revenue Bonds	-	-	-	-	-	-	-	-	-	-	-	-
Less: Capital Project Expenditures	-	(7,514,074)	(6,620,840)	(8,704,685)	(3,584,145)	(3,140,170)	(3,483,619)	(8,698,671)	(9,642,211)	(4,725,052)	(9,344,786)	(6,638,947)
Ending Balance	\$ 11,307,935	\$ 4,588,896	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,970,256	\$ 1,937,859	\$ 2,054,257	\$ 2,112,087	\$ 2,144,419
Minimum Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



City of Puyallup
Sewer Rate Model
Summary

Projected Capital Expenditures By Project	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Pipe Replacement - 9th Ave NE / 4th Ave NE	\$ -	\$ 200,000	\$ 824,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Pipe Replacement - East Main, 23rd St SE to Riverside LS	-	660,000	-	-	-	-	-	-	-	-	-	-
Pipe Replacement - 3rd St SE, Between 7th Ave SE & 9th Ave SE	-	340,000	-	-	-	-	-	-	-	-	-	-
Pipe Replacement - Tacoma Road E, Between 23rd & Tacoma Street	-	210,000	854,900	-	-	-	-	-	-	-	-	-
Fruitland Ave Sewer Main Extension - W Pioneer Way to 9th Ave SW	-	-	139,050	1,055,596	-	-	-	-	-	-	-	-
Fruitland Ave Sewer Main Extension - 9th Ave SW to 85th St E	-	-	-	-	-	123,806	927,419	-	-	-	-	-
Fruitland Ave Sewer Main Extension - 85th St E to 96th St E	-	-	-	-	-	-	144,909	1,116,439	-	-	-	-
Small Pumping Station to Pump to Fruitland Ave Trunk Line	-	-	-	-	-	-	150,706	1,074,647	-	-	-	-
Small Pumping Station to Pump to Fruitland Ave Trunk Line	-	-	-	-	-	-	-	155,227	1,205,276	-	-	-
Gravity Upsize - 10 and 12-Inch to 15-Inch, SR-512 Crossing - S. Meridian to 5th St SW	-	-	-	-	-	-	-	155,227	1,180,679	-	-	-
Re-Route Gravity Sewer Main North of Lowe's/Abandon Bradley Lake Line	-	-	-	-	-	-	-	919,420	-	-	-	-
Re-Route Gravity System to Alleviate Accessibility Issues In Downstream Wetland	-	-	-	-	174,836	-	-	-	-	-	-	-
Gravity Upsize - 10 and 12-Inch to 15-Inch, W Pioneer Way 18th St SW to 12th St NW	-	-	-	-	-	-	-	1,671,673	-	-	-	-
Relay 36-Inch Gravity Due to Adverse Slope Issues - 14th St SW / 9th Ave SW	-	-	-	-	-	-	-	-	-	1,076,755	-	-
Elimination of S. Hill Mall LS (LS 6)	-	500,000	-	-	-	-	-	-	-	-	-	-
Gravity Upsize - 24-Inch to 36-Inch - 9th Ave SW Between 14th St SW & 9th St SW	-	-	-	-	-	-	-	-	1,119,185	1,152,761	-	-
Gravity Upsize - 24-Inch to 36-Inch - 9th Ave SW Between 9th St SW & 5th St SW	-	-	-	-	-	-	-	202,989	1,525,044	-	-	-
Gravity Upsize - 24-Inch to 36-Inch - 5th St SW / 7th Ave SW	-	-	-	-	-	-	-	-	-	-	274,002	2,096,510
Gravity Upsize - 10 and 12-Inch, 28th St SE Between Marwood Dr & Shaw Road	-	-	-	-	-	-	-	-	-	-	-	860,106
Gravity Upsize - 12 and 18-Inch, 5th St SW Between 9th Ave SW and Fairgrounds	-	-	-	-	-	-	-	-	-	-	717,625	-
Replace Aging Pipe Across Clark's Creek - 7th Ave SW Bridge Crossing	-	-	-	-	-	-	-	-	-	-	-	1,881,483
Aging Pipe Replacement Program	-	-	-	795,675	819,545	844,132	869,456	895,539	922,405	950,078	978,580	1,007,937
Gravity Upsize - 18-Inch to 24-Inch - 5th St SE Between E Pioneer & 4th Ave SE	-	-	-	-	-	-	-	704,491	-	-	-	-
Gravity Upsize - 36-Inch to 42-Inch - 14th St SW / 9th Ave SW	-	-	-	-	-	-	-	-	2,336,760	-	-	-
Gravity Upsize - 8-Inch to 12-Inch - Shaw Road Between 31st Ave SE & 26th Ave SE	-	-	-	-	-	-	-	-	-	1,292,105	-	-
Gravity Upsize - 24-Inch to 36-Inch - 13th Ave NW Between 18th St NW & 15th St NW	-	-	-	-	-	-	-	-	-	-	1,604,871	-
Gravity Upsize - 24-Inch to 36-Inch - 9th Ave NW / 8th St NW	-	-	-	-	-	-	-	-	-	-	-	792,911
Gravity Upsize - 8-Inch to 12-Inch - Shaw Road Between 23rd Ave SE & Dunhill Lane	-	-	-	-	-	-	-	-	-	-	-	-
Gravity Upsize - 8-Inch to 12-Inch - 24th St Place SE Between 20th Ave SE & 12th Ave SE	-	-	-	-	-	-	-	-	-	-	-	-
Gravity Upsize - 24-Inch to 36-Inch - Fairgrounds Between Fairview Drive & 5th St SW	-	-	-	-	-	-	-	-	-	-	-	-
Cherokee Pump Station (#34) Replacement	-	690,000	-	-	-	-	-	-	-	-	-	-
Riverside Pump Station (#24) Improvements	-	750,000	-	-	-	-	-	-	-	-	-	-
4th and River Road (#4) Pump Station Improvements	-	-	-	212,180	1,617,236	-	-	-	-	-	-	-
North Levee Pump Station (#5) Improvements	-	-	-	-	-	-	-	1,205,993	-	-	-	-
Clarks Creek Pump Station (#25) Replacement	-	-	-	-	-	720,326	-	-	-	-	-	-
Candlewood Pump Station (#26) Replacement	-	-	-	-	-	720,326	-	-	-	-	-	-
Costco Pump Station (#10) Upgrades	-	-	-	-	-	-	-	597,026	-	-	-	-
WWTP - Aging Equipment Replacement	-	500,000	515,000	530,450	546,364	562,754	579,637	-	-	-	-	-
WWTP - Vactor Unloading Station	-	250,000	-	-	-	-	-	-	-	-	-	-
WWTP - Outfall Header Cleaning/Diffuser Replacement	-	150,000	-	-	-	-	-	-	-	-	-	-
WWTP - Flood Wall	-	300,000	-	-	-	-	-	-	-	-	-	-
WWTP - Biosolids Dewatering Improvements Project	-	2,854,594	3,090,000	-	-	-	-	-	-	-	-	-
WWTP - Construction Engineering Dewatering Project @ 10%	-	109,480	103,000	-	-	-	-	-	-	-	-	-
WWTP Facility Plan	-	-	231,750	-	-	-	-	-	-	-	-	-
WWTP - Replace Aeration Blower	-	-	399,640	-	-	-	-	-	-	-	-	-
WWTP - Replace Grit Removal Equipment	-	-	-	318,270	-	-	-	-	-	-	-	-
WWTP - Replace UV Disinfection System	-	-	-	2,333,980	-	-	-	-	-	-	-	-
WWTP - New Headworks Odor System	-	-	-	212,180	-	-	-	-	-	-	-	-
WWTP - Replace Non-Potable Water Pump System	-	-	-	63,654	-	-	-	-	-	-	-	-
WWTP - Additional Anaerobic Digester	-	-	-	-	-	-	-	-	-	-	-	-
WWTP - Effluent Cloth Disc Filters	-	-	-	3,182,700	-	-	-	-	-	-	-	-
WWTP - Replace Generator Building Blowers	-	-	-	-	98,345	-	-	-	-	-	-	-
WWTP - Replace PLC-Based Control & SCADA System	-	-	-	-	327,818	-	-	-	-	-	-	-
WWTP - Replace Influent Screw Pumps	-	-	-	-	-	-	-	1,352,861	-	-	-	-
WWTP - Primary Clarifier # 1 & # 2 New Drives	-	-	-	-	-	56,275	-	-	-	-	-	-
WWTP - Primary Clarifier # 1 Through 4 New Flights	-	-	-	-	-	90,041	-	-	-	-	-	-
WWTP - Aeration Basin Discharge Channel Mixing	-	-	-	-	-	22,510	-	-	-	-	-	-
WWTP - Additional Secondary Clarifier	-	-	-	-	-	-	-	-	-	-	5,769,707	-
WWTP - Replacement of Influent Sluice Gates	-	-	-	-	-	-	231,855	-	-	-	-	-
WWTP - Replace Structural I-Beams in Aeration Selector Zones	-	-	-	-	-	-	289,819	-	-	-	-	-
WWTP - Replace all Aeration Basin Air Line Knee Braces	-	-	-	-	-	-	289,819	-	-	-	-	-
WWTP - Miscellaneous Valve Replacements	-	-	-	-	-	-	-	-	-	253,354	-	-
Total	\$ -	\$ 7,514,074	\$ 6,620,840	\$ 8,704,685	\$ 3,584,145	\$ 3,140,170	\$ 3,483,619	\$ 8,698,671	\$ 9,642,211	\$ 4,725,052	\$ 9,344,786	\$ 6,638,947



**City of Puyallup
Sewer Rate Model
Assumptions**

Economic & Financial Assumptions

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Escalators:											
General Cost Inflation		3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Labor Cost Inflation		3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Medical Benefits Cost Inflation		5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Construction Cost Inflation		3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Customer Growth		1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Customer Growth + Inflation	0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Flow Growth		1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Flow Growth + Inflation	0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
No Escalation	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
[Other Escalator #1]											
[Other Escalator #2]											
[Other Escalator #3]											
[Other Escalator #4]											

Sewer Utility Tax Rates											
City Utility Tax	8.000%	8.000%	8.000%	8.000%	8.000%	8.000%	8.000%	8.000%	8.000%	8.000%	8.000%
Sewer Utility Excise Tax <i>(Effective Rate Based on Collection/Transmission Weighting)</i>	1.807%	1.807%	1.807%	1.807%	1.807%	1.807%	1.807%	1.807%	1.807%	1.807%	1.807%
B&O Tax Rate	1.500%	1.500%	1.500%	1.500%	1.500%	1.500%	1.500%	1.500%	1.500%	1.500%	1.500%
Sewer Utility and City Tax	9.807%	9.807%	9.807%	9.807%	9.807%	9.807%	9.807%	9.807%	9.807%	9.807%	9.807%
B&O and City Tax	9.500%	9.500%	9.500%	9.500%	9.500%	9.500%	9.500%	9.500%	9.500%	9.500%	9.500%
No Tax	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Sewer Utility Excise Tax	3.852%	3.852%	3.852%	3.852%	3.852%	3.852%	3.852%	3.852%	3.852%	3.852%	3.852%
Transmission Share of Sewer Revenue	86.93%	86.93%	86.93%	86.93%	86.93%	86.93%	86.93%	86.93%	86.93%	86.93%	86.93%

Debt Financing Assumptions

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Public Works Trust Fund Loans											
Interest Rate	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
Repayment Term	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years
Revenue Bonds											
Interest Rate	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%
Repayment Term	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years
Principal Deferral (Interest-Only) Period	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years
Issuance Cost (% of Amount Issued)	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Reserve Requirement (% of Amount Issued)	7.69%	7.69%	7.69%	7.69%	7.69%	7.69%	7.69%	7.69%	7.69%	7.69%	7.69%
Required Coverage Ratio	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
% of SDC Revenues Counted In Coverage Test	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Reserve Structure

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Fund Interest Earnings Rate	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%

Operating Fund											
Beginning Balance	\$ 978,410	\$ 1,116,931									
Interest Earnings											
Minimum Balance (Days of Operating Expenses)	60 Days	60 Days	60 Days	60 Days	60 Days	60 Days	60 Days	60 Days	60 Days	60 Days	60 Days

Capital Fund											
Beginning Balance	\$ 10,466,924	\$ 11,414,938									
Interest Earnings											
Minimum Balance											

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Number of ERUs	13,821	13,959	14,099	14,240	14,382	14,526	14,671	14,818	14,966	15,116	15,267
System Development Charge (SDC) per ERU	\$ 4,520	\$ 4,520	\$ 4,520	\$ 4,520	\$ 4,520	\$ 4,520	\$ 4,520	\$ 4,520	\$ 4,520	\$ 4,520	\$ 4,520
Projected SDC Revenue	\$ 788,677	\$ 630,958	\$ 637,268	\$ 643,640	\$ 650,077	\$ 656,577	\$ 663,143	\$ 669,775	\$ 676,472	\$ 683,237	\$ 690,069

Escalator: Customer Growth

System Reinvestment Funding Policy:											
Percent of Annual Depreciation Expense Funded		0%	0%	0%	0%	0%	0%	100%	100%	100%	100%
Depreciation on Existing Assets	\$ 2,119,069	\$ 2,074,461	\$ 2,014,940	\$ 1,999,972	\$ 1,991,045	\$ 1,969,331	\$ 1,941,347	\$ 1,888,597	\$ 1,881,986	\$ 1,870,248	\$ 1,859,426
Depreciation on CIP	-	-	107,590	110,590	141,540	163,494	167,264	81,659	55,873	184,009	252,661
Total Annual Depreciation Expense	\$ 2,119,069	\$ 2,074,461	\$ 2,122,530	\$ 2,110,562	\$ 2,132,585	\$ 2,132,825	\$ 2,108,611	\$ 1,970,256	\$ 1,937,859	\$ 2,054,257	\$ 2,112,087
Annual System Reinvestment Transfer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,970,256	\$ 1,937,859	\$ 2,054,257	\$ 2,112,087
	\$ 1,342,149	\$ 859,012	\$ 1,574,281	\$ (4,537,097)	\$ 1,364,967	\$ 2,154,486	\$ 2,780,007	\$ (4,097,199)	\$ (2,745,113)	\$ 2,184,362	\$ (2,180,568)

Bond Reserve Fund											
Beginning Balance	\$ 1,654,589	\$ 1,085,787									
Interest Earnings											
Minimum Balance	\$ 989,943	\$ 882,810	\$ 752,851	\$ 673,964	\$ 600,140	\$ 510,738	\$ 378,241	\$ 378,241	\$ 378,241	\$ 378,241	\$ 378,241



City of Puyallup
Sewer Rate Model
Assumptions

Rate Revenue			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Account	Description	Escalator	Tax										
412000000 440600	Sewer Charges	Customer Growth	\$ 9,471,875	\$ 9,781,842	\$ 9,879,660	\$ 9,978,457	\$ 10,078,241	\$ 10,179,024	\$ 10,280,814	\$ 10,383,622	\$ 10,487,458	\$ 10,592,333	\$ 10,698,256
412000000 440650	Benaroya Usage	Flow Growth	6,452	6,663	6,730	6,797	6,865	6,934	7,003	7,073	7,144	7,215	7,287
Total			\$ 9,478,326	\$ 9,788,505	\$ 9,886,390	\$ 9,985,254	\$ 10,085,106	\$ 10,185,957	\$ 10,287,817	\$ 10,390,695	\$ 10,494,602	\$ 10,599,548	\$ 10,705,543

Other Operating Revenues			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Account	Description	Escalator	Tax										
412000000 440800	Late Pay Penalty	Customer Growth	\$ 68,968	\$ 83,736	\$ 84,573	\$ 85,419	\$ 86,273	\$ 87,136	\$ 88,007	\$ 88,887	\$ 89,776	\$ 90,674	\$ 91,581
412000000 441400	Sewer Hook-Up Fees	Customer Growth	53,627	47,390	47,864	48,343	48,826	49,314	49,807	50,305	50,808	51,317	51,830
412000000 451805	Interest Revenue - LGIP		4,951	8,506	13,371	26,479	9,294	17,299	28,071	41,972	21,486	7,760	18,682
412000000 451810	Interest Revenue - NOW Account	No Escalation	3,481	3,915	3,915	3,915	3,915	3,915	3,915	3,915	3,915	3,915	3,915
412000000 454706	Rents/Leases - Benaroya Maintenance & Operations	No Escalation	6,264	6,264	6,264	6,264	6,264	6,264	6,264	6,264	6,264	6,264	6,264
412000000 456000	Interfund Loan Interest	No Escalation	-	-	-	-	-	-	-	-	-	-	-
412000000 456500	Interfund Loan Principal	No Escalation	-	-	-	-	-	-	-	-	-	-	-
Total			\$ 137,290	\$ 149,811	\$ 155,987	\$ 170,420	\$ 154,572	\$ 163,928	\$ 176,065	\$ 191,343	\$ 172,249	\$ 159,930	\$ 172,271

Reconciliation With Source Documents			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Total Operating Revenue Entered In Model			\$ 9,615,616	\$ 9,938,316	\$ 10,042,376	\$ 10,155,673	\$ 10,239,678	\$ 10,349,885	\$ 10,463,882	\$ 10,582,038	\$ 10,666,851	\$ 10,759,478	\$ 10,877,815
Adjustments:													
System Development Charge Revenue (Tracked in Capital Fund)			788,677	630,958									
Capital Contributions (Tracked in Capital Fund)			105,500	-									
Interfund Loan Interest (Tracked on 'Funds' Worksheet)			89,785	77,080									
Interfund Loan Principal (Tracked on 'Funds' Worksheet)			859,145	870,337									
Difference Between Projected and Budgeted Rate Revenue				(911,253)									
Total			\$ 11,458,723	\$ 10,605,438	\$ 10,042,376	\$ 10,155,673	\$ 10,239,678	\$ 10,349,885	\$ 10,463,882	\$ 10,582,038	\$ 10,666,851	\$ 10,759,478	\$ 10,877,815
Total Per Source Documents			\$ 11,458,723	\$ 10,605,438									
Difference			\$ -	\$ -									

Operating Expenses			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Reclasses & Cost Allocations													
Account	Description	Escalator											
412000000 522501	Council Cost Share / Reimbursement	General Cost Inflation	\$ 50,443	\$ 61,991	\$ 63,851	\$ 65,766	\$ 67,739	\$ 69,771	\$ 71,865	\$ 74,020	\$ 76,241	\$ 78,528	\$ 80,884
412000000 522502	Manager Cost Share / Reimbursement	General Cost Inflation	80,963	121,424	125,067	128,819	132,683	136,664	140,764	144,987	149,336	153,816	158,431
412000000 522503	Legal Cost Share / Reimbursement	General Cost Inflation	44,933	64,685	66,626	68,624	70,683	72,804	74,988	77,237	79,554	81,941	84,399
412000000 522505	Finance Cost Share / Reimbursement	General Cost Inflation	107,150	144,915	149,262	153,740	158,353	163,103	167,996	173,036	178,227	183,574	189,081
412000000 522506	HR Cost Share / Reimbursement	General Cost Inflation	35,173	39,873	41,069	42,301	43,570	44,877	46,224	47,610	49,039	50,510	52,025
412000000 522507	Clerk Cost Share / Reimbursement	General Cost Inflation	40,344	50,599	52,117	53,680	55,291	56,950	58,658	60,418	62,230	64,097	66,020
412000000 522514	Dev Services & Eng Cost Share / Reimbursement	General Cost Inflation	383,221	382,561	394,038	405,859	418,035	430,576	443,493	456,798	470,502	484,617	499,155
412000000 522515	Public Works Cost Share / Reimbursement	General Cost Inflation	127,360	172,725	177,907	183,244	188,741	194,404	200,236	206,243	212,430	218,803	225,367
412000000 522541	Utility Services Cost Share / Reimbursement	General Cost Inflation	190,183	188,317	193,967	199,786	205,779	211,952	218,311	224,860	231,606	238,554	245,711
412000000 522590	Debt Service Cost Share / Reimbursement	General Cost Inflation	190,867	231,152	238,087	245,229	252,586	260,164	267,969	276,008	284,288	292,816	301,601
412000000 539900	Bad Debt Expense	General Cost Inflation	9,385	-	-	-	-	-	-	-	-	-	-
4120820076 541003	Advance Refunding Escrow	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Reclasses & Cost Allocations			\$ 1,260,022	\$ 1,458,242	\$ 1,501,989	\$ 1,547,049	\$ 1,593,460	\$ 1,641,264	\$ 1,690,502	\$ 1,741,217	\$ 1,793,454	\$ 1,847,257	\$ 1,902,675

Salaries & Wages			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Account	Description	Escalator											
412000000 511011	Admin - Regular & Part-Time Wages	Labor Cost Inflation	\$ -	\$ 8,986	\$ 9,256	\$ 9,533	\$ 9,819	\$ 10,114	\$ 10,417	\$ 10,730	\$ 11,052	\$ 11,383	\$ 11,725
4120358071 511011	Pumping Operations - Regular & Part-Time Wages	Labor Cost Inflation	112,189	111,075	114,407	117,839	121,375	125,016	128,766	132,629	136,608	140,706	144,928
4120358071 511015	Pumping Operations - Longevity Pay	Labor Cost Inflation	622	405	417	430	443	456	470	484	498	513	528
4120358071 511017	Pumping Operations - Acting Pay	Labor Cost Inflation	132	-	-	-	-	-	-	-	-	-	-
4120358071 511025	Pumping Operations - Standby Pay	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
4120358071 511028	Pumping Operations - Night Shift Pay	Labor Cost Inflation	93	-	-	-	-	-	-	-	-	-	-
4120358071 511029	Pumping Operations - Holiday Pay	Labor Cost Inflation	-	400	412	424	437	450	464	478	492	507	522
4120358071 512012	Pumping Operations - Overtime	Labor Cost Inflation	3,272	-	-	-	-	-	-	-	-	-	-
4120358072 511011	Water Pollution Control - Regular & Part-Time Wages	Labor Cost Inflation	1,037,629	1,119,449	1,153,032	1,187,623	1,223,252	1,259,950	1,297,748	1,336,681	1,376,781	1,418,085	1,460,627
4120358072 511012	Water Pollution Control - Temporary Wages	Labor Cost Inflation	31,100	-	-	-	-	-	-	-	-	-	-
4120358072 511015	Water Pollution Control - Longevity Pay	Labor Cost Inflation	7,411	6,075	6,257	6,445	6,638	6,837	7,043	7,254	7,471	7,696	7,926
4120358072 511017	Water Pollution Control - Acting Pay	Labor Cost Inflation	7,080	7,635	7,864	8,100	8,343	8,593	8,851	9,117	9,390	9,672	9,962
4120358072 511025	Water Pollution Control - Standby Pay	Labor Cost Inflation	901	-	-	-	-	-	-	-	-	-	-
4120358072 511028	Water Pollution Control - Night Shift Pay	Labor Cost Inflation	3,563	5,000	5,150	5,305	5,464	5,628	5,796	5,970	6,149	6,334	6,524
4120358072 511029	Water Pollution Control - Holiday Pay	Labor Cost Inflation	395	20,000	20,600	21,218	21,855	22,510	23,185	23,881	24,597	25,335	26,095
4120358072 512012	Water Pollution Control - Overtime	Labor Cost Inflation	35,134	5,816	5,990	6,170	6,355	6,546	6,742	6,945	7,153	7,368	7,589
4120358073 511011	Collection & Transmission - Regular & Part-Time Wages	Labor Cost Inflation	174,944	219,695	226,286	233,074	240,067	247,269	254,687	262,327	270,197	278,303	286,652
4120358073 511015	Collection & Transmission - Longevity Pay	Labor Cost Inflation	1,797	1,797	1,851	1,906	1,964	2,023	2,083	2,146	2,210	2,276	2,345
4120358073 511017	Collection & Transmission - Acting Pay	Labor Cost Inflation	973	-	-	-	-	-	-	-	-	-	-
4120358073 511025	Collection & Transmission - Standby Pay	Labor Cost Inflation	2,489	-	-	-	-	-	-	-	-	-	-
4120358073 511029	Collection & Transmission - Holiday Pay	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
4120358073 512012	Collection & Transmission - Overtime	Labor Cost Inflation	4,286	7,500	7,725	7,957	8,195	8,441	8,695	8,955	9,224	9,501	9,786
Subtotal: Salaries & Wages			\$ 1,424,010	\$ 1,513,833	\$ 1,559,248	\$ 1,606,025	\$ 1,654,206	\$ 1,703,832	\$ 1,754,947	\$ 1,807,596	\$ 1,861,824	\$ 1,917,678	\$ 1,975,209



**City of Puyallup
Sewer Rate Model
Assumptions**

Operating Expenses (Continued)			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Personnel Benefits													
<u>Account</u>	<u>Description</u>	<u>Escalator</u>											
412000000 514022	Admin - State Retirement Plans	General Cost Inflation	\$ -	\$ 828	\$ 853	\$ 878	\$ 905	\$ 932	\$ 960	\$ 989	\$ 1,018	\$ 1,049	\$ 1,080
412000000 514027	Admin - Regence Blue Shield	Medical Benefits Cost Inflation	-	3,203	3,363	3,531	3,708	3,893	4,088	4,292	4,507	4,732	4,969
412000000 514030	Admin - FICA & Medicare	Medical Benefits Cost Inflation	-	688	722	759	796	836	878	922	968	1,016	1,067
412000000 514032	Admin - Labor & Industries	General Cost Inflation	-	131	135	139	143	147	152	156	161	166	171
412000000 514033	Admin - Life Insurance	General Cost Inflation	-	13	13	14	14	15	15	16	16	16	17
412000000 514034	Admin - Dental Insurance / WA Dental	Medical Benefits Cost Inflation	-	372	391	410	431	452	475	499	523	550	577
412000000 514035	Admin - Vision Insurance	Medical Benefits Cost Inflation	-	119	125	131	138	145	152	159	167	176	185
412000000 514037	Admin - Employee Assistance Plan	General Cost Inflation	-	3	3	3	3	3	3	4	4	4	4
412000000 514042	Admin - Long-Term Disability	General Cost Inflation	-	44	45	47	48	50	51	53	54	56	57
4120358071 514022	Pumping Operations - State Retirement Plans	General Cost Inflation	10,425	10,304	10,613	10,932	11,259	11,597	11,945	12,304	12,673	13,053	13,444
4120358071 514027	Pumping Operations - Regence Blue Shield	Medical Benefits Cost Inflation	22,489	26,017	27,318	28,684	30,118	31,624	33,205	34,865	36,609	38,439	40,361
4120358071 514030	Pumping Operations - FICA & Medicare	Medical Benefits Cost Inflation	8,896	8,559	8,987	9,436	9,908	10,404	10,924	11,470	12,043	12,646	13,278
4120358071 514032	Pumping Operations - Labor & Industries	General Cost Inflation	2,698	3,084	3,177	3,272	3,370	3,471	3,575	3,682	3,793	3,907	4,024
4120358071 514033	Pumping Operations - Life Insurance	General Cost Inflation	144	152	157	161	166	171	176	181	187	193	198
4120358071 514034	Pumping Operations - Dental Insurance / WA Dental	Medical Benefits Cost Inflation	2,943	3,216	3,377	3,546	3,723	3,909	4,105	4,310	4,525	4,751	4,989
4120358071 514035	Pumping Operations - Vision Insurance	Medical Benefits Cost Inflation	672	1,019	1,070	1,123	1,180	1,239	1,301	1,366	1,434	1,506	1,581
4120358071 514037	Pumping Operations - Employee Assistance Plan	General Cost Inflation	33	34	35	36	37	38	39	41	42	43	44
4120358071 514042	Pumping Operations - Long-Term Disability	General Cost Inflation	497	518	534	550	566	583	601	619	637	656	676
4120358072 514022	Water Pollution Control - State Retirement Plans	General Cost Inflation	96,630	107,202	110,418	113,731	117,143	120,657	124,276	128,005	131,845	135,800	139,874
4120358072 514027	Water Pollution Control - Regence Blue Shield	Medical Benefits Cost Inflation	257,378	309,346	324,813	341,054	358,107	376,012	394,813	414,553	435,281	457,045	479,897
4120358072 514030	Water Pollution Control - FICA & Medicare	Medical Benefits Cost Inflation	86,211	89,044	93,496	98,171	103,080	108,234	113,645	119,327	125,294	131,559	138,136
4120358072 514032	Water Pollution Control - Labor & Industries	General Cost Inflation	38,947	41,932	43,190	44,486	45,820	47,195	48,611	50,069	51,571	53,118	54,712
4120358072 514033	Water Pollution Control - Life Insurance	General Cost Inflation	1,490	1,750	1,803	1,857	1,912	1,970	2,029	2,090	2,152	2,217	2,283
4120358072 514034	Water Pollution Control - Dental Insurance / WA Dental	Medical Benefits Cost Inflation	32,507	37,386	39,255	41,218	43,279	45,443	47,715	50,101	52,606	55,236	57,998
4120358072 514035	Water Pollution Control - Vision Insurance	Medical Benefits Cost Inflation	7,420	11,852	12,445	13,067	13,720	14,406	15,126	15,883	16,677	17,511	18,386
4120358072 514037	Water Pollution Control - Employee Assistance Plan	General Cost Inflation	339	397	409	421	434	447	460	474	488	503	518
4120358072 514042	Water Pollution Control - Long-Term Disability	General Cost Inflation	4,679	5,451	5,615	5,783	5,956	6,135	6,319	6,509	6,704	6,905	7,112
4120358072 515022	Water Pollution Control - Uniforms & Clothing	General Cost Inflation	697	2,900	2,987	3,077	3,169	3,264	3,362	3,463	3,567	3,674	3,784
4120358073 514022	Collection & Transmission - State Retirement Plans	General Cost Inflation	17,038	21,090	21,723	22,374	23,046	23,737	24,449	25,183	25,938	26,716	27,518
4120358073 514027	Collection & Transmission - Regence Blue Shield	Medical Benefits Cost Inflation	55,237	80,582	84,611	88,842	93,284	97,948	102,845	107,988	113,387	119,056	125,009
4120358073 514030	Collection & Transmission - FICA & Medicare	Medical Benefits Cost Inflation	14,152	17,518	18,394	19,314	20,279	21,293	22,358	23,476	24,650	25,882	27,176
4120358073 514032	Collection & Transmission - Labor & Industries	General Cost Inflation	6,547	8,932	9,200	9,476	9,760	10,053	10,355	10,665	10,985	11,315	11,654
4120358073 514033	Collection & Transmission - Life Insurance	General Cost Inflation	264	369	380	391	403	415	428	441	454	467	481
4120358073 514034	Collection & Transmission - Dental Insurance / WA Dental	Medical Benefits Cost Inflation	7,074	9,632	10,114	10,619	11,150	11,708	12,293	12,906	13,553	14,231	14,942
4120358073 514035	Collection & Transmission - Vision Insurance	Medical Benefits Cost Inflation	1,611	3,063	3,216	3,377	3,546	3,723	3,909	4,105	4,310	4,525	4,752
4120358073 514037	Collection & Transmission - Employee Assistance Plan	General Cost Inflation	60	84	87	89	92	95	97	100	103	106	110
4120358073 514042	Collection & Transmission - Long-Term Disability	General Cost Inflation	825	1,075	1,107	1,140	1,175	1,210	1,246	1,284	1,322	1,362	1,403
4120358073 515022	Collection & Transmission - Uniforms & Clothing	General Cost Inflation	2,164	1,000	1,030	1,061	1,093	1,126	1,159	1,194	1,230	1,267	1,305
Subtotal: Personnel Benefits			\$ 680,067	\$ 808,909	\$ 845,209	\$ 883,199	\$ 922,960	\$ 964,578	\$ 1,008,141	\$ 1,053,742	\$ 1,101,478	\$ 1,151,453	\$ 1,203,774
Office & Operating Supplies													
<u>Account</u>	<u>Description</u>	<u>Escalator</u>											
4120358071 517031	Pumping Operations - Office & Operating Supplies	General Cost Inflation	\$ 2,577	\$ 19,200	\$ 19,776	\$ 20,369	\$ 20,980	\$ 21,610	\$ 22,258	\$ 22,926	\$ 23,614	\$ 24,322	\$ 25,052
4120358072 517031	Water Pollution Control - Office & Operating Supplies	General Cost Inflation	363,981	438,900	452,067	465,629	479,598	493,986	508,805	524,070	539,792	555,985	572,665
4120358072 517033	Water Pollution Control - Office Supplies (Toner)	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
4120358072 517034	Water Pollution Control - Janitorial Supplies	General Cost Inflation	359	-	-	-	-	-	-	-	-	-	-
4120358073 517031	Collection & Transmission - Office & Operating Supplies	General Cost Inflation	26,872	23,300	23,999	24,719	25,461	26,224	27,011	27,821	28,656	29,516	30,401
4120358073 517032	Collection & Transmission - Office Supplies (Paper)	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
4120358073 517033	Collection & Transmission - Office Supplies (Toner)	General Cost Inflation	115	-	-	-	-	-	-	-	-	-	-
4120358075 517031	Pretreatment - Office & Operating Supplies	General Cost Inflation	1,239	-	-	-	-	-	-	-	-	-	-
Subtotal: Office & Operating Supplies			\$ 395,143	\$ 481,400	\$ 495,842	\$ 510,717	\$ 526,039	\$ 541,820	\$ 558,075	\$ 574,817	\$ 592,061	\$ 609,823	\$ 628,118
Small Tools & Minor Equipment													
<u>Account</u>	<u>Description</u>	<u>Escalator</u>											
4120358071 520035	Pumping Operations - Small Tools & Minor Equipment	General Cost Inflation	\$ -	\$ 15,700	\$ 16,171	\$ 16,656	\$ 17,156	\$ 17,670	\$ 18,201	\$ 18,747	\$ 19,309	\$ 19,888	\$ 20,485
4120358071 520036	Pumping Operations - Small Tools (Software)	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
4120358072 520035	Water Pollution Control - Small Tools & Minor Equipment	General Cost Inflation	22,462	38,700	39,861	41,057	42,289	43,557	44,864	46,210	47,596	49,024	50,495
4120358072 520036	Water Pollution Control - Small Tools (Software)	General Cost Inflation	-	300	309	318	328	338	348	358	369	380	391
4120358073 520035	Collection & Transmission - Small Tools & Minor Equipment	General Cost Inflation	2,782	13,400	13,802	14,216	14,643	15,082	15,534	16,000	16,480	16,975	17,484
4120358075 520035	Pretreatment - Small Tools & Minor Equipment	General Cost Inflation	78	1,500	1,545	1,591	1,639	1,688	1,739	1,791	1,845	1,900	1,957
Subtotal: Small Tools & Minor Equipment			\$ 25,322	\$ 69,600	\$ 71,688	\$ 73,839	\$ 76,054	\$ 78,335	\$ 80,685	\$ 83,106	\$ 85,599	\$ 88,167	\$ 90,812



**City of Puyallup
Sewer Rate Model
Assumptions**

Operating Expenses (Continued)

			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Professional Services													
Account	Description	Escalator											
4120358071 522041	Pumping Operations - Professional Services	General Cost Inflation	\$ -	\$ 4,500	\$ 4,635	\$ 4,774	\$ 4,917	\$ 5,065	\$ 5,217	\$ 5,373	\$ 5,534	\$ 5,700	\$ 5,871
4120358071 522110	Pumping Operations - PS Uniform Cleaning	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
4120358071 522122	Pumping Operations - PS Waste Disposal Services	Customer Growth + Inflation	-	-	-	-	-	-	-	-	-	-	-
4120358072 522041	Water Pollution Control - Professional Services	Labor Cost Inflation	19,158	54,900	56,547	58,243	59,991	61,790	63,644	65,553	67,520	69,546	71,632
4120358072 522059	Water Pollution Control - PS Engineering / Design	General Cost Inflation	-	50,000	51,500	53,045	54,636	56,275	57,964	59,703	61,494	63,339	65,239
4120358072 522065	Water Pollution Control - PS Alarm Monitoring	General Cost Inflation	-	1,000	1,030	1,061	1,093	1,126	1,159	1,194	1,230	1,267	1,305
4120358072 522082	Water Pollution Control - PS Medical / Vaccinations	General Cost Inflation	-	1,000	1,030	1,061	1,093	1,126	1,159	1,194	1,230	1,267	1,305
4120358072 522092	Water Pollution Control - PS Printing / Copying Services	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
4120358072 522105	Water Pollution Control - PS Software Support / Other	General Cost Inflation	-	1,000	1,030	1,061	1,093	1,126	1,159	1,194	1,230	1,267	1,305
4120358072 522107	Water Pollution Control - PS Testing (Equipment)	General Cost Inflation	1,301	-	-	-	-	-	-	-	-	-	-
4120358072 522109	Water Pollution Control - PS Tree Removal / Trimming	General Cost Inflation	20,513	-	-	-	-	-	-	-	-	-	-
4120358072 522110	Water Pollution Control - PS Uniform Cleaning	General Cost Inflation	7,362	13,000	13,390	13,792	14,205	14,632	15,071	15,523	15,988	16,468	16,962
4120358072 522122	Water Pollution Control - PS Waste Disposal Services	Customer Growth + Inflation	170,234	240,300	249,912	259,908	270,305	281,117	292,362	304,056	316,218	328,867	342,022
4120358073 522041	Collection & Transmission - Professional Services	Labor Cost Inflation	7,443	10,000	10,300	10,609	10,927	11,255	11,593	11,941	12,299	12,668	13,048
4120358073 522059	Collection & Transmission - PS Engineering / Design	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
4120358073 522092	Collection & Transmission - PS Printing / Copying Services	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
4120358073 522105	Collection & Transmission - PS Software Support / Other	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
4120358073 522111	Collection & Transmission - PS Vadis NW Contract	General Cost Inflation	10,537	10,900	11,227	11,564	11,911	12,268	12,636	13,015	13,406	13,808	14,222
4120358073 522122	Collection & Transmission - PS Waste Disposal Services	Customer Growth + Inflation	1,569	-	-	-	-	-	-	-	-	-	-
4120358075 522041	Pretreatment - Professional Services	Labor Cost Inflation	-	6,800	7,004	7,214	7,431	7,653	7,883	8,120	8,363	8,614	8,872
4120358075 522092	Pretreatment - PS Printing / Copying Services	General Cost Inflation	-	2,600	2,678	2,758	2,841	2,926	3,014	3,105	3,198	3,294	3,392
Subtotal: Professional Services			\$ 238,117	\$ 396,000	\$ 410,283	\$ 425,091	\$ 440,442	\$ 456,359	\$ 472,861	\$ 489,970	\$ 507,710	\$ 526,103	\$ 545,175
Communication													
Account	Description	Escalator											
4120358071 523052	Pumping Operations - Communications (Postal Express)	General Cost Inflation	\$ -	\$ 400	\$ 412	\$ 424	\$ 437	\$ 450	\$ 464	\$ 478	\$ 492	\$ 507	\$ 522
4120358072 523043	Water Pollution Control - Delivery Charges (Fed Ex, UPS, Etc.)	General Cost Inflation	2,346	600	618	637	656	675	696	716	738	760	783
4120358072 523047	Water Pollution Control - Communications (Pager Services)	General Cost Inflation	370	100	103	106	109	113	116	119	123	127	130
4120358072 523048	Water Pollution Control - Communications (Cellular Phone)	General Cost Inflation	2,677	2,900	2,987	3,077	3,169	3,264	3,362	3,463	3,567	3,674	3,784
4120358072 523049	Water Pollution Control - Communications (General Phone Service)	General Cost Inflation	-	600	618	637	656	675	696	716	738	760	783
4120358072 523051	Water Pollution Control - Communications (Other Postage)	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
4120358072 523052	Water Pollution Control - Communications (Postal Express)	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
4120358073 523043	Collection & Transmission - Delivery Charges (Fed Ex, UPS, Etc.)	General Cost Inflation	-	1,000	1,030	1,061	1,093	1,126	1,159	1,194	1,230	1,267	1,305
4120358073 523048	Collection & Transmission - Communications (Cellular Phone)	General Cost Inflation	2,040	1,700	1,751	1,804	1,858	1,913	1,971	2,030	2,091	2,154	2,218
4120358075 523043	Pretreatment - Delivery Charges (Fed Ex, UPS, Etc.)	General Cost Inflation	-	1,000	1,030	1,061	1,093	1,126	1,159	1,194	1,230	1,267	1,305
Subtotal: Communication			\$ 7,433	\$ 8,300	\$ 8,549	\$ 8,805	\$ 9,070	\$ 9,342	\$ 9,622	\$ 9,911	\$ 10,208	\$ 10,514	\$ 10,830
Travel - Miles, Meals, & Lodging													
Account	Description	Escalator											
4120358072 524043	Water Pollution Control - Travel (Miles, Meals, & Lodging)	General Cost Inflation	\$ 941	\$ 1,800	\$ 1,854	\$ 1,910	\$ 1,967	\$ 2,026	\$ 2,087	\$ 2,149	\$ 2,214	\$ 2,280	\$ 2,349
4120358073 524043	Collection & Transmission - Travel (Miles, Meals, & Lodging)	General Cost Inflation	-	1,500	1,545	1,591	1,639	1,688	1,739	1,791	1,845	1,900	1,957
Subtotal: Travel - Miles, Meals, & Lodging			\$ 941	\$ 3,300	\$ 3,399	\$ 3,501	\$ 3,606	\$ 3,714	\$ 3,826	\$ 3,940	\$ 4,059	\$ 4,180	\$ 4,306
Rentals & Leases													
Account	Description	Escalator											
4120358071 526045	Pumping Operations - Operating Rentals & Leases	General Cost Inflation	\$ 367	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4120358072 526045	Water Pollution Control - Operating Rentals & Leases	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
4120358072 526048	Water Pollution Control - Rentals (Field Equipment)	General Cost Inflation	980	-	-	-	-	-	-	-	-	-	-
4120358073 526048	Collection & Transmission - Rentals (Field Equipment)	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Rentals & Leases			\$ 1,347	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Public Utility Service													
Account	Description	Escalator											
4120358071 528048	Pumping Operations - Public Utilities (Electric)	Flow Growth + Inflation	\$ 54,010	\$ 73,500	\$ 76,440	\$ 79,498	\$ 82,678	\$ 85,985	\$ 89,424	\$ 93,001	\$ 96,721	\$ 100,590	\$ 104,613
4120358071 528049	Pumping Operations - Public Utilities (Water)	General Cost Inflation	1,068	600	618	637	656	675	696	716	738	760	783
4120358071 528050	Pumping Operations - Public Utilities (Sewer)	General Cost Inflation	326	300	309	318	328	338	348	358	369	380	391
4120358071 528051	Pumping Operations - Public Utilities (Stormwater)	General Cost Inflation	6,179	4,600	4,738	4,880	5,027	5,177	5,333	5,493	5,657	5,827	6,002
4120358071 528053	Pumping Operations - Public Utilities (Natural Gas)	General Cost Inflation	13,193	24,200	24,926	25,674	26,444	27,237	28,054	28,896	29,763	30,656	31,576
4120358071 528057	Pumping Operations - Public Utilities (Landfill Fees)	General Cost Inflation	70	100	103	106	109	113	116	119	123	127	130
4120358072 528048	Water Pollution Control - Public Utilities (Electric)	Flow Growth + Inflation	259,141	293,000	304,720	316,909	329,585	342,769	356,479	370,738	385,568	400,991	417,030
4120358072 528049	Water Pollution Control - Public Utilities (Water)	General Cost Inflation	4,339	5,900	6,077	6,259	6,447	6,641	6,840	7,045	7,256	7,474	7,698
4120358072 528050	Water Pollution Control - Public Utilities (Sewer)	General Cost Inflation	6,658	13,100	13,493	13,898	14,315	14,744	15,186	15,642	16,111	16,595	17,093
4120358072 528051	Water Pollution Control - Public Utilities (Stormwater)	General Cost Inflation	12,251	11,100	11,433	11,776	12,129	12,493	12,868	13,254	13,652	14,061	14,483
4120358072 528052	Water Pollution Control - Public Utilities (Refuse)	General Cost Inflation	18,655	13,800	14,214	14,640	15,080	15,532	15,998	16,478	16,972	17,481	18,006
4120358072 528057	Water Pollution Control - Public Utilities (Landfill Fees)	General Cost Inflation	315	100	103	106	109	113	116	119	123	127	130
4120358073 528052	Collection & Transmission - Public Utilities (Refuse)	General Cost Inflation	473	700	721	743	765	788	811	836	861	887	913
Subtotal: Public Utility Service			\$ 376,678	\$ 441,000	\$ 457,895	\$ 475,443	\$ 493,671	\$ 512,604	\$ 532,269	\$ 552,696	\$ 573,915	\$ 595,955	\$ 618,849



City of Puyallup
Sewer Rate Model
Assumptions

Operating Expenses (Continued)

			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Repairs & Maintenance													
<u>Account</u>	<u>Description</u>	<u>Escalator</u>											
4120358071 529048	Pumping Operations - Repairs & Maintenance	General Cost Inflation	\$ 9,757	\$ 50,000	\$ 51,500	\$ 53,045	\$ 54,636	\$ 56,275	\$ 57,964	\$ 59,703	\$ 61,494	\$ 63,339	\$ 65,239
4120358072 529048	Water Pollution Control - Repairs & Maintenance	General Cost Inflation	98,398	50,000	51,500	53,045	54,636	56,275	57,964	59,703	61,494	63,339	65,239
4120358072 529058	Water Pollution Control - R/M Contr Maint Software/Other	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
4120358072 529067	Water Pollution Control - R/M Generator Maintenance	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
4120358072 529071	Water Pollution Control - R/M HVAC System	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
4120358072 529084	Water Pollution Control - R/M Repairs (Equipment)	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
4120358073 529048	Collection & Transmission - Repairs & Maintenance	General Cost Inflation	473	40,000	41,200	42,436	43,709	45,020	46,371	47,762	49,195	50,671	52,191
4120358075 529048	Pretreatment - Repairs & Maintenance	General Cost Inflation	-	1,500	1,545	1,591	1,639	1,688	1,739	1,791	1,845	1,900	1,957
4120358075 529058	Pretreatment - R/M Contr Maint Software/Other	General Cost Inflation	2,275	-	-	-	-	-	-	-	-	-	-
Subtotal: Repairs & Maintenance			\$ 110,903	\$ 141,500	\$ 145,745	\$ 150,117	\$ 154,621	\$ 159,259	\$ 164,037	\$ 168,958	\$ 174,027	\$ 179,248	\$ 184,625
Miscellaneous													
<u>Account</u>	<u>Description</u>	<u>Escalator</u>											
4120358071 530049	Pumping Operations - Miscellaneous	General Cost Inflation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4120358071 530100	Pumping Operations - Miscellaneous Late Fees/Penalties	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
4120358072 530049	Water Pollution Control - Miscellaneous	General Cost Inflation	138	10,000	10,300	10,609	10,927	11,255	11,593	11,941	12,299	12,668	13,048
4120358072 530050	Water Pollution Control - Miscellaneous Conference Registration	General Cost Inflation	718	1,400	1,442	1,485	1,530	1,576	1,623	1,672	1,722	1,773	1,827
4120358072 530051	Water Pollution Control - Miscellaneous Dues	General Cost Inflation	588	800	824	849	874	900	927	955	984	1,013	1,044
4120358072 530053	Water Pollution Control - Miscellaneous Certifications	General Cost Inflation	551	300	309	318	328	338	348	358	369	380	391
4120358072 530090	Water Pollution Control - Miscellaneous Permit Fees	General Cost Inflation	2,293	8,000	8,240	8,487	8,742	9,004	9,274	9,552	9,839	10,134	10,438
4120358072 530100	Water Pollution Control - Miscellaneous Late Fees/Penalties	General Cost Inflation	2	-	-	-	-	-	-	-	-	-	-
4120358073 530050	Collection & Transmission - Miscellaneous Conference Registration	General Cost Inflation	1,133	500	515	530	546	563	580	597	615	633	652
4120358073 530051	Collection & Transmission - Miscellaneous Dues	General Cost Inflation	154	300	309	318	328	338	348	358	369	380	391
4120358073 530052	Collection & Transmission - Miscellaneous Subscriptions	General Cost Inflation	449	300	309	318	328	338	348	358	369	380	391
4120358073 530090	Collection & Transmission - Miscellaneous Permit Fees	General Cost Inflation	467	-	-	-	-	-	-	-	-	-	-
Subtotal: Miscellaneous			\$ 6,493	\$ 21,600	\$ 22,248	\$ 22,915	\$ 23,603	\$ 24,311	\$ 25,040	\$ 25,792	\$ 26,565	\$ 27,362	\$ 28,183
Intergovernmental Charges													
<u>Account</u>	<u>Description</u>	<u>Escalator</u>											
4120351176 532051	Intergovernmental Charges (State Excise Taxes)	[Calculated]	\$ 174,737	\$ 197,950	\$ 190,223	\$ 192,125	\$ 194,046	\$ 195,987	\$ 197,947	\$ 199,926	\$ 201,925	\$ 203,945	\$ 205,984
4120358072 531056	Water Pollution Control - Puget Sound Air Pollution Control	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Intergovernmental Charges			\$ 174,737	\$ 197,950	\$ 190,223	\$ 192,125	\$ 194,046	\$ 195,987	\$ 197,947	\$ 199,926	\$ 201,925	\$ 203,945	\$ 205,984
Interfund Taxes													
<u>Account</u>	<u>Description</u>	<u>Escalator</u>											
4120351176 528056	Public Utility Tax - Rates	[Calculated]	\$ 752,104	\$ 785,150	\$ 790,911	\$ 798,820	\$ 806,808	\$ 814,877	\$ 823,025	\$ 831,256	\$ 839,568	\$ 847,964	\$ 856,443
4120351176 528059	Public Utility Tax - SDCs	[Calculated]	53,583	61,100	50,981	51,491	52,006	52,526	53,051	53,582	54,118	54,659	55,206
Subtotal: Interfund Taxes			\$ 805,687	\$ 846,250	\$ 841,893	\$ 850,312	\$ 858,815	\$ 867,403	\$ 876,077	\$ 884,838	\$ 893,686	\$ 902,623	\$ 911,649
Other Improvements													
<u>Account</u>	<u>Description</u>	<u>Escalator</u>											
4120358072 536063	Water Pollution Control - Improvements Other Than Buildings	General Cost Inflation	\$ 7,275	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4120358073 536063	Collection & Transmission - Improvements Other Than Buildings	General Cost Inflation	4,440	-	-	-	-	-	-	-	-	-	-
Subtotal: Other Improvements			\$ 11,715	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Machinery & Equipment													
<u>Account</u>	<u>Description</u>	<u>Escalator</u>											
4120358072 537064	Water Pollution Control - Machinery & Equipment	General Cost Inflation	\$ 30,697	\$ 12,500	\$ 12,875	\$ 13,261	\$ 13,659	\$ 14,069	\$ 14,491	\$ 14,926	\$ 15,373	\$ 15,835	\$ 16,310
4120358073 537064	Collection & Transmission - Machinery & Equipment	General Cost Inflation	2,135	-	-	-	-	-	-	-	-	-	-
Subtotal: Machinery & Equipment			\$ 32,832	\$ 12,500	\$ 12,875	\$ 13,261	\$ 13,659	\$ 14,069	\$ 14,491	\$ 14,926	\$ 15,373	\$ 15,835	\$ 16,310
Debt Service Debt Registration													
<u>Account</u>	<u>Description</u>	<u>Escalator</u>											
4120820076 541002	Bond Admin Fee	General Cost Inflation	\$ 1,646	\$ 1,000	\$ 1,030	\$ 1,061	\$ 1,093	\$ 1,126	\$ 1,159	\$ 1,194	\$ 1,230	\$ 1,267	\$ 1,305
Subtotal: Debt Service Debt Registration			\$ 1,646	\$ 1,000	\$ 1,030	\$ 1,061	\$ 1,093	\$ 1,126	\$ 1,159	\$ 1,194	\$ 1,230	\$ 1,267	\$ 1,305
Interfund Communications													
<u>Account</u>	<u>Description</u>	<u>Escalator</u>											
4120358072 529111	Water Pollution Control - IT&C Dispatch 800 MHz Assessment	General Cost Inflation	\$ 6,924	\$ 6,924	\$ 7,132	\$ 7,346	\$ 7,566	\$ 7,793	\$ 8,027	\$ 8,268	\$ 8,516	\$ 8,771	\$ 9,034
4120358073 529111	Collection & Transmission - IT&C Dispatch 800 MHz Assessment	General Cost Inflation	10,385	10,385	10,697	11,017	11,348	11,688	12,039	12,400	12,772	13,155	13,550
Subtotal: Interfund Communications			\$ 17,309	\$ 17,309	\$ 17,828	\$ 18,363	\$ 18,914	\$ 19,481	\$ 20,066	\$ 20,668	\$ 21,288	\$ 21,927	\$ 22,584
Interfund Supplies													
<u>Account</u>	<u>Description</u>	<u>Escalator</u>											
4120358072 518033	Water Pollution Control - ER&R Fuel	General Cost Inflation	\$ 8,285	\$ 5,746	\$ 5,918	\$ 6,096	\$ 6,279	\$ 6,467	\$ 6,661	\$ 6,861	\$ 7,067	\$ 7,279	\$ 7,497
4120358073 518033	Collection & Transmission - ER&R Fuel	General Cost Inflation	16,665	14,476	14,910	15,358	15,818	16,293	16,782	17,285	17,804	18,338	18,888
Subtotal: Interfund Supplies			\$ 24,950	\$ 20,222	\$ 20,829	\$ 21,454	\$ 22,097	\$ 22,760	\$ 23,443	\$ 24,146	\$ 24,871	\$ 25,617	\$ 26,385



**City of Puyallup
Sewer Rate Model
Assumptions**

Operating Expenses (Continued)			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Interfund Capital Outlays													
<u>Account</u>	<u>Description</u>	<u>Escalator</u>											
4120358072 529109	Water Pollution Control - IT&C Replacement	General Cost Inflation	\$ 5,719	\$ 5,719	\$ 5,891	\$ 6,067	\$ 6,249	\$ 6,437	\$ 6,630	\$ 6,829	\$ 7,034	\$ 7,245	\$ 7,462
4120358072 537075	Water Pollution Control - ER&R Replacement (Internal)	General Cost Inflation	18,932	18,932	19,500	20,085	20,688	21,308	21,947	22,606	23,284	23,982	24,702
4120358073 529109	Collection & Transmission - IT&C Replacement	General Cost Inflation	227	227	234	241	248	255	263	271	279	288	296
4120358073 537075	Collection & Transmission - ER&R Replacement (Internal)	General Cost Inflation	55,015	55,015	56,665	58,365	60,116	61,920	63,777	65,691	67,662	69,691	71,782
Subtotal: Interfund Capital Outlays			\$ 79,893	\$ 79,893	\$ 82,290	\$ 84,758	\$ 87,301	\$ 89,920	\$ 92,618	\$ 95,396	\$ 98,258	\$ 101,206	\$ 104,242
Interfund Insurance Services													
<u>Account</u>	<u>Description</u>	<u>Escalator</u>											
4120358071 527048	Pumping Operations - Self-Insurance Fund	General Cost Inflation	\$ 5,878	\$ 6,292	\$ 6,481	\$ 6,675	\$ 6,875	\$ 7,082	\$ 7,294	\$ 7,513	\$ 7,738	\$ 7,971	\$ 8,210
4120358072 527048	Water Pollution Control - Self-Insurance Fund	General Cost Inflation	52,411	54,604	56,242	57,929	59,667	61,457	63,301	65,200	67,156	69,171	71,246
4120358073 527048	Collection & Transmission - Self-Insurance Fund	General Cost Inflation	13,129	9,627	9,916	10,213	10,520	10,835	11,160	11,495	11,840	12,195	12,561
Subtotal: Interfund Insurance Services			\$ 71,418	\$ 70,523	\$ 72,639	\$ 74,818	\$ 77,062	\$ 79,374	\$ 81,755	\$ 84,208	\$ 86,734	\$ 89,336	\$ 92,017
Transfers Out													
<u>Account</u>	<u>Description</u>	<u>Escalator</u>											
4120000000 711091	Transfers Out	General Cost Inflation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4120000000 755000	Transfers Out - Intrafund	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
4120358072 711092	Transfers Out - ER&R	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Transfers Out			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interfund Repairs & Maintenance													
<u>Account</u>	<u>Description</u>	<u>Escalator</u>											
4120358071 529108	Pumping Operations - IT&C Maintenance (Internal)	General Cost Inflation	\$ 45,291	\$ 45,291	\$ 46,650	\$ 48,049	\$ 49,491	\$ 50,975	\$ 52,505	\$ 54,080	\$ 55,702	\$ 57,373	\$ 59,094
4120358072 529106	Water Pollution Control - ER&R Maintenance (Internal)	General Cost Inflation	32,197	32,197	33,163	34,158	35,183	36,238	37,325	38,445	39,598	40,786	42,010
4120358072 529108	Water Pollution Control - IT&C Maintenance (Internal)	General Cost Inflation	22,645	22,645	23,324	24,024	24,745	25,487	26,252	27,039	27,850	28,686	29,547
4120358073 529106	Collection & Transmission - ER&R Maintenance (Internal)	General Cost Inflation	73,352	73,352	75,553	77,819	80,154	82,558	85,035	87,586	90,214	92,920	95,708
4120358073 529108	Collection & Transmission - IT&C Maintenance (Internal)	General Cost Inflation	31,846	31,846	32,801	33,785	34,799	35,843	36,918	38,026	39,167	40,342	41,552
Subtotal: Interfund Repairs & Maintenance			\$ 205,331	\$ 205,331	\$ 211,491	\$ 217,836	\$ 224,371	\$ 231,102	\$ 238,035	\$ 245,176	\$ 252,531	\$ 260,107	\$ 267,910
Other													
<u>Account</u>	<u>Description</u>	<u>Escalator</u>											
		General Cost Inflation			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		General Cost Inflation			-	-	-	-	-	-	-	-	-
		General Cost Inflation			-	-	-	-	-	-	-	-	-
		General Cost Inflation			-	-	-	-	-	-	-	-	-
		General Cost Inflation			-	-	-	-	-	-	-	-	-
Subtotal: Other			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Operating Expenses Entered In Model			\$ 5,951,994	\$ 6,794,662	\$ 6,973,192	\$ 7,180,690	\$ 7,395,090	\$ 7,616,640	\$ 7,845,596	\$ 8,082,223	\$ 8,326,796	\$ 8,579,604	\$ 8,840,942
Adjustments:													
Debt Service Principal & Interest (Included on 'Debt' worksheet)			2,277,010	2,290,073									
Intrafund Transfers For Capital (Handled on 'Funds' worksheet)			12,612,790	1,339,224									
Total			\$ 20,841,794	\$ 10,423,959	\$ 6,973,192	\$ 7,180,690	\$ 7,395,090	\$ 7,616,640	\$ 7,845,596	\$ 8,082,223	\$ 8,326,796	\$ 8,579,604	\$ 8,840,942
Total Per Source Documents			\$ 20,841,794	\$ 10,423,959									
Difference			\$ -	\$ -									

Project ID	Description	Function	Inflate?	% R&R	Completion Year	Total Cost (Current Dollars)	Total Cost (Nominal Dollars)	Useful Life	Incremental Depreciation
Puy-3B	Pipe Replacement - 9th Ave NE / 4th Ave NE	Conveyance	Yes	100.00%	2016	\$ 1,000,000	\$ 1,024,000	50 Years	\$ 20,480
Puy-7A	Pipe Replacement - East Main, 23rd St SE to Riverside LS	Conveyance	Yes	100.00%	2015	\$ 660,000	\$ 660,000	50 Years	\$ 13,200
Puy-14D	Pipe Replacement - 3rd St SE, between 7th Ave SE & 9th Ave SE	Conveyance	Yes	100.00%	2015	\$ 340,000	\$ 340,000	50 Years	\$ 6,800
Puy-23A	Pipe Replacement - Tacoma Road E, between 23rd & Tacoma Street	Conveyance	Yes	100.00%	2016	\$ 1,040,000	\$ 1,064,900	50 Years	\$ 21,298
Puy-21A	Fruitland Ave Sewer Main Extension - W Pioneer Way to 9th Ave SW	Conveyance	Yes	50.00%	2017	\$ 1,130,000	\$ 1,194,646	50 Years	\$ 23,893
Puy-21B	Fruitland Ave Sewer Main Extension - 9th Ave SW to 85th St E	Conveyance	Yes	50.00%	2020	\$ 910,000	\$ 1,051,225	50 Years	\$ 21,025
Puy-21C	Fruitland Ave Sewer Main Extension - 85th St E to 96th St E	Conveyance	Yes	50.00%	2021	\$ 1,060,000	\$ 1,261,348	50 Years	\$ 25,227
Puy-21E	Small Pumping Station to Pump to Fruitland Ave Trunk Line	Conveyance	Yes	50.00%	2021	\$ 1,030,000	\$ 1,225,353	30 Years	\$ 40,845
Puy-21D	Small Pumping Station to Pump to Fruitland Ave Trunk Line	Conveyance	Yes	50.00%	2022	\$ 1,110,000	\$ 1,360,503	30 Years	\$ 45,350
Puy-19A	Gravity Upsize - 10 and 12-Inch to 15-Inch, SR-512 Crossing - S. Meridian to 5th St SW	Conveyance	Yes	0.00%	2022	\$ 1,090,000	\$ 1,335,906	50 Years	\$ 26,718
Puy-10B	Re-Route Gravity Sewer Main North of Lowe's/Abandon Bradley Lake Line	Conveyance	Yes	100.00%	2021	\$ 770,000	\$ 919,420	50 Years	\$ 18,388
Puy-20A	Re-Route Gravity System to Alleviate Accessibility Issues in Downstream Wetland	Conveyance	Yes	100.00%	2018	\$ 160,000	\$ 174,836	50 Years	\$ 3,497
Puy-22A	Gravity Upsize - 10 and 12-Inch to 15-Inch, W Pioneer Way 18th St SW to 12th St NW	Conveyance	Yes	0.00%	2021	\$ 1,400,000	\$ 1,671,673	50 Years	\$ 33,433
Puy-27A	Relay 36-Inch Gravity Due to Adverse Slope Issues - 14th St SW / 9th Ave SW	Conveyance	Yes	100.00%	2023	\$ 850,000	\$ 1,076,755	50 Years	\$ 21,353
Puy-10A	Elimination of S. Hill Mall LS (LS 6)	Conveyance	Yes	100.00%	2019	\$ 500,000	\$ 500,000	30 Years	\$ 16,667
Puy-14A	Gravity Upsize - 24-Inch to 36-Inch - 9th Ave SW Between 14th St SW & 9th St SW	Conveyance	Yes	0.00%	2023	\$ 1,820,000	\$ 2,271,946	50 Years	\$ 45,439
Puy-14B	Gravity Upsize - 24-Inch to 36-Inch - 9th Ave SW Between 9th St SW & 5th St SW	Conveyance	Yes	0.00%	2022	\$ 1,410,000	\$ 1,728,032	50 Years	\$ 34,561
Puy-14C	Gravity Upsize - 24-Inch to 36-Inch - 5th St SW / 7th Ave SW	Conveyance	Yes	0.00%	2025	\$ 1,770,000	\$ 2,370,512	50 Years	\$ 47,410
Puy-1A	Gravity Upsize - 10 and 12-Inch, 28th St SE Between Marwood Dr & Shaw Road	Conveyance	Yes	0.00%	2025	\$ 640,000	\$ 860,106	50 Years	\$ 17,202
Puy-25A	Gravity Upsize - 12 and 18-Inch, 5th St SW Between 9th Ave SW and Fairgrounds	Conveyance	Yes	0.00%	2024	\$ 550,000	\$ 717,625	50 Years	\$ 14,353
Puy-27B	Replace Aging Pipe Across Clark's Creek - 7th Ave SW Bridge Crossing	Conveyance	Yes	100.00%	2025	\$ 1,400,000	\$ 1,881,483	50 Years	\$ 37,630
	Aging Pipe Replacement Program	Conveyance	Yes	100.00%	Ongoing	\$ 13,500,000	\$ 18,630,281	50 Years	\$ 372,606
Puy-14E	Gravity Upsize - 18-Inch to 24-Inch - 5th St SE Between E Pioneer & 4th Ave SE	Conveyance	Yes	0.00%	2021	\$ 590,000	\$ 704,491	50 Years	\$ 14,090
Puy-27-C	Gravity Upsize - 36-Inch to 42-Inch - 14th St SW / 9th Ave SW	Conveyance	Yes	0.00%	2022	\$ 1,900,000	\$ 2,336,760	50 Years	\$ 46,735
Puy-1B	Gravity Upsize - 8-Inch to 12-Inch - Shaw Road Between 31st Ave SE & 26th Ave SE	Conveyance	Yes	0.00%	2023	\$ 1,020,000	\$ 1,292,105	50 Years	\$ 25,842
Puy-3C	Gravity Upsize - 24-Inch to 36-Inch - 13th Ave NW Between 18th St NW & 15th St NW	Conveyance	Yes	0.00%	2024	\$ 1,230,000	\$ 1,604,871	50 Years	\$ 32,097
Puy-3D	Gravity Upsize - 24-Inch to 36-Inch - 9th Ave NW / 8th St NW	Conveyance	Yes	0.00%	2025	\$ 590,000	\$ 792,911	50 Years	\$ 15,858
Puy-4A	Gravity Upsize - 8-Inch to 12-Inch - Shaw Road Between 23rd Ave SE & Dunhill Lane	Conveyance	Yes	0.00%	2026	\$ 1,770,000	\$ 2,450,094	50 Years	\$ 49,002
Puy-5A	Gravity Upsize - 8-Inch to 12-Inch - 24th St Place SE Between 20th Ave SE & 12th Ave SE	Conveyance	Yes	0.00%	2027	\$ 1,800,000	\$ 2,566,370	50 Years	\$ 51,327
Puy-25B	Gravity Upsize - 24-Inch to 36-Inch - Fairgrounds Between Fairview Drive & 5th St SW	Conveyance	Yes	0.00%	2028	\$ 990,000	\$ 1,453,848	50 Years	\$ 29,077
Puy-11A	Cherokee Pump Station (#34) Replacement	Conveyance	Yes	67.00%	2015	\$ 690,000	\$ 690,000	30 Years	\$ 23,000
Puy-7A	Riverside Pump Station (#24) Improvements	Conveyance	Yes	100.00%	2015	\$ 750,000	\$ 750,000	30 Years	\$ 25,000
Puy-3A	4th and River Road (#4) Pump Station Improvements	Conveyance	Yes	70.00%	2018	\$ 1,680,000	\$ 1,829,416	30 Years	\$ 60,981
Puy-6A	North Levee Pump Station (#5) Improvements	Conveyance	Yes	70.00%	2021	\$ 1,010,000	\$ 1,205,993	30 Years	\$ 40,200
Puy-24B	Clarks Creek Pump Station (#25) Replacement	Conveyance	Yes	100.00%	2019	\$ 640,000	\$ 720,326	30 Years	\$ 24,011
Puy-2A	Candlewood Pump Station (#26) Replacement	Conveyance	Yes	100.00%	2019	\$ 640,000	\$ 720,326	30 Years	\$ 24,011
Puy-16A	Costco Pump Station (#10) Upgrades	Conveyance	Yes	100.00%	2021	\$ 500,000	\$ 597,026	30 Years	\$ 19,901
	WWTP - Aging Equipment Replacement	Treatment	Yes	100.00%	Ongoing	\$ 3,000,000	\$ 3,234,205	5 Years	\$ 646,841
	WWTP - Vactor Unloading Station	Treatment	Yes	100.00%	2015	\$ 250,000	\$ 250,000	30 Years	\$ 8,333
	WWTP - Outfall Header Cleaning/Diffuser Replacement	Treatment	Yes	100.00%	2015	\$ 150,000	\$ 150,000	30 Years	\$ 5,000
	WWTP - Flood Wall	Treatment	Yes	100.00%	2015	\$ 300,000	\$ 300,000	30 Years	\$ 10,000
	WWTP - Biosolids Dewatering Improvements Project	Treatment	Yes	100.00%	2016	\$ 5,854,594	\$ 5,944,594	30 Years	\$ 198,153
	WWTP - Construction Engineering Dewatering Project @ 10%	Treatment	Yes	100.00%	2016	\$ 209,480	\$ 212,480	30 Years	\$ 7,083
	WWTP Facility Plan	Treatment	Yes	100.00%	2016	\$ 225,000	\$ 231,750	30 Years	\$ 7,725
	WWTP - Replace Aeration Blower	Treatment	Yes	100.00%	2016	\$ 388,000	\$ 399,640	30 Years	\$ 13,321
	WWTP - Replace Grit Removal Equipment	Treatment	Yes	100.00%	2017	\$ 300,000	\$ 318,270	30 Years	\$ 10,609
	WWTP - Replace UV Disinfection System	Treatment	Yes	100.00%	2017	\$ 2,200,000	\$ 2,333,980	30 Years	\$ 77,799
	WWTP - New Headworks Odor System	Treatment	Yes	100.00%	2017	\$ 200,000	\$ 212,180	30 Years	\$ 7,073
	WWTP - Replace Non-Potable Water Pump System	Treatment	Yes	100.00%	2017	\$ 60,000	\$ 63,654	30 Years	\$ 2,122
	WWTP - Additional Anaerobic Digester	Treatment	Yes	100.00%	2028	\$ 7,731,000	\$ 11,353,234	30 Years	\$ 378,441
	WWTP - Effluent Cloth Disc Filters	Treatment	Yes	100.00%	2018	\$ 3,000,000	\$ 3,182,700	30 Years	\$ 106,090
	WWTP - Replace Generator Building Blowers	Treatment	Yes	100.00%	2018	\$ 90,000	\$ 98,345	30 Years	\$ 3,278
	WWTP - Replace PLC-Based Control & SCADA System	Treatment	Yes	100.00%	2018	\$ 300,000	\$ 327,818	30 Years	\$ 10,927
	WWTP - Replace Influent Screw Pumps	Treatment	Yes	100.00%	2022	\$ 1,100,000	\$ 1,352,861	30 Years	\$ 45,095
	WWTP - Primary Clarifier # 1 & # 2 New Drives	Treatment	Yes	100.00%	2019	\$ 50,000	\$ 56,275	30 Years	\$ 1,876
	WWTP - Primary Clarifier # 1 Through 4 New Flights	Treatment	Yes	100.00%	2019	\$ 80,000	\$ 90,041	30 Years	\$ 3,001
	WWTP - Aeration Basin Discharge Channel Mixing	Treatment	Yes	100.00%	2019	\$ 20,000	\$ 22,510	30 Years	\$ 750
	WWTP - Additional Secondary Clarifier	Treatment	Yes	100.00%	2024	\$ 4,422,000	\$ 5,769,707	30 Years	\$ 192,324
	WWTP - Replacement of Influent Sluice Gates	Treatment	Yes	100.00%	2020	\$ 200,000	\$ 231,855	30 Years	\$ 7,728
	WWTP - Replace Structural I-Beams in Aeration Selector Zones	Treatment	Yes	100.00%	2020	\$ 250,000	\$ 289,819	30 Years	\$ 9,661
	WWTP - Replace all Aeration Basin Air Line Knee Braces	Treatment	Yes	100.00%	2020	\$ 250,000	\$ 289,819	30 Years	\$ 9,661
	WWTP - Miscellaneous Valve Replacements	Treatment	Yes	100.00%	2023	\$ 200,000	\$ 253,354	30 Years	\$ 8,445
	7th Ave SW; 14th St SW to 18th St SW (Sinkhole)	Conveyance	Yes	100.00%	2016	\$ 450,000	\$ 463,500	50 Years	\$ 9,270
Total (Current Dollars)						\$ 81,220,074	\$ 100,467,678		
Total (Inflated Dollars)									


Capital Improvement Program (Current Dollars)

Project ID	Description	Cost by Year (Current Dollars)																	
		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Puy-3B	Pipe Replacement - 9th Ave NE / 4th Ave NE	\$ 200,000	\$ 800,000																
Puy-7A	Pipe Replacement - East Main, 23rd St SE to Riverside LS	\$ 660,000																	
Puy-14D	Pipe Replacement - 3rd St SE, Between 7th Ave SE & 9th Ave SE	\$ 340,000																	
Puy-23A	Pipe Replacement - Tacoma Road E, Between 23rd & Tacoma Street	\$ 210,000	\$ 830,000																
Puy-21A	Fruitland Ave Sewer Main Extension - W Pioneer Way to 9th Ave SW	\$ 135,000	\$ 995,000																
Puy-21B	Fruitland Ave Sewer Main Extension - 9th Ave SW to 85th St E	\$ -	\$ -			\$ 110,000	\$ 800,000												
Puy-21C	Fruitland Ave Sewer Main Extension - 85th St E to 96th St E	\$ -	\$ -				\$ 125,000	\$ 935,000											
Puy-21E	Small Pumping Station to Pump to Fruitland Ave Trunk Line	\$ -	\$ -				\$ 130,000	\$ 900,000											
Puy-21D	Small Pumping Station to Pump to Fruitland Ave Trunk Line	\$ -	\$ -					\$ 130,000	\$ 980,000										
Puy-19A	Gravity Upsize - 10 and 12-Inch to 15-Inch, SR-512 Crossing - S. Meridian to 5th St SW	\$ -	\$ -					\$ 130,000	\$ 960,000										
Puy-10B	Re-Route Gravity Sewer Main North of Lowe's/Abandon Bradley Lake Line	\$ -	\$ -					\$ 770,000											
Puy-20A	Re-Route Gravity System to Alleviate Accessibility Issues in Downstream Wetland	\$ -	\$ -			\$ 160,000													
Puy-22A	Gravity Upsize - 10 and 12-Inch to 15-Inch, W Pioneer Way 18th St SW to 12th St NW	\$ -	\$ -					\$ 1,400,000											
Puy-27A	Relay 36-Inch Gravity Due to Adverse Slope Issues - 14th St SW / 9th Ave SW	\$ -	\$ -							\$ 850,000									
Puy-10A	Elimination of S. Hill Mall LS (LS 6)	\$ 500,000																	
Puy-14A	Gravity Upsize - 24-Inch to 36-Inch - 9th Ave SW Between 14th St SW & 9th St SW	\$ -	\$ -						\$ 910,000	\$ 910,000									
Puy-14B	Gravity Upsize - 24-Inch to 36-Inch - 9th Ave SW Between 9th St SW & 5th St SW	\$ -	\$ -					\$ 170,000	\$ 1,240,000										
Puy-14C	Gravity Upsize - 24-Inch to 36-Inch - 5th St SW / 7th Ave SW	\$ -	\$ -								\$ 210,000	\$ 1,560,000							
Puy-1A	Gravity Upsize - 10 and 12-Inch, 28th St SE Between Marwood Dr & Shaw Road	\$ -	\$ -									\$ 640,000							
Puy-25A	Gravity Upsize - 12 and 18-Inch, 5th St SW Between 9th Ave SW and Fairgrounds	\$ -	\$ -								\$ 550,000	\$ 1,400,000							
Puy-27B	Replace Aging Pipe Across Clark's Creek - 7th Ave SW Bridge Crossing	\$ -	\$ -									\$ 1,400,000							
	Aging Pipe Replacement Program			\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000
Puy-14E	Gravity Upsize - 18-Inch to 24-Inch - 5th St SE Between E Pioneer & 4th Ave SE	\$ -	\$ -					\$ 590,000											
Puy-27-C	Gravity Upsize - 36-Inch to 42-Inch - 14th St SW / 9th Ave SW	\$ -	\$ -						\$ 1,900,000										
Puy-1B	Gravity Upsize - 8-Inch to 12-Inch - Shaw Road Between 31st Ave SE & 26th Ave SE	\$ -	\$ -							\$ 1,020,000									
Puy-3C	Gravity Upsize - 24-Inch to 36-Inch - 13th Ave NW Between 18th St NW & 15th St NW	\$ -	\$ -								\$ 1,230,000								
Puy-3D	Gravity Upsize - 24-Inch to 36-Inch - 9th Ave NW / 8th St NW	\$ -	\$ -								\$ 590,000	\$ 1,770,000							
Puy-4A	Gravity Upsize - 8-Inch to 12-Inch - Shaw Road Between 23rd Ave SE & Dunhill Lane	\$ -	\$ -									\$ 1,800,000							
Puy-5A	Gravity Upsize - 8-Inch to 12-Inch - 24th St Place SE Between 20th Ave SE & 12th Ave SE	\$ -	\$ -										\$ 990,000						
Puy-25B	Gravity Upsize - 24-Inch to 36-Inch - Fairgrounds Between Fairview Drive & 5th St SW	\$ -	\$ -																
Puy-11A	Cherokee Pump Station (#34) Replacement	\$ 690,000																	
Puy-7A	Riverside Pump Station (#24) Improvements	\$ 750,000																	
Puy-3A	4th and River Road (#4) Pump Station Improvements	\$ -	\$ 200,000	\$ 1,480,000															
Puy-6A	North Levee Pump Station (#5) Improvements	\$ -	\$ -					\$ 1,010,000											
Puy-24B	Clarks Creek Pump Station (#25) Replacement	\$ -	\$ -			\$ 640,000													
Puy-2A	Candlewood Pump Station (#26) Replacement	\$ -	\$ -			\$ 640,000													
Puy-16A	Costco Pump Station (#10) Upgrades	\$ -	\$ -			\$ -		\$ 500,000											
	WWTP - Aging Equipment Replacement	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000											
	WWTP - Vactor Unloading Station	\$ 250,000																	
	WWTP - Outfall Header Cleaning/Diffuser Replacement	\$ 150,000																	
	WWTP - Flood Wall	\$ 300,000																	
	WWTP - Biosolids Dewatering Improvements Project	\$ 2,854,594	\$ 3,000,000																
	WWTP - Construction Engineering Dewatering Project @ 10%	\$ 109,480	\$ 100,000																
	WWTP Facility Plan	\$ 225,000																	
	WWTP - Replace Aeration Blower	\$ 388,000																	
	WWTP - Replace Grit Removal Equipment			\$ 300,000															
	WWTP - Replace UV Disinfection System			\$ 2,200,000															
	WWTP - New Headworks Odor System			\$ 200,000															
	WWTP - Replace Non-Potable Water Pump System			\$ 60,000															
	WWTP - Additional Anaerobic Digester				\$ -										\$ 7,731,000				
	WWTP - Effluent Cloth Disc Filters			\$ 3,000,000															
	WWTP - Replace Generator Building Blowers				\$ 90,000														
	WWTP - Replace PLC-Based Control & SCADA System				\$ 300,000														
	WWTP - Replace Influent Screw Pumps					\$ -			\$ 1,100,000										
	WWTP - Primary Clarifier # 1 & # 2 New Drives					\$ 50,000													
	WWTP - Primary Clarifier # 1 Through 4 New Flights					\$ 80,000													
	WWTP - Aeration Basin Discharge Channel Mixing					\$ 20,000													
	WWTP - Additional Secondary Clarifier							\$ -			\$ 4,422,000								
	WWTP - Replacement of Influent Sluice Gates							\$ 200,000											
	WWTP - Replace Sturctural I-Beams in Aeration Selector Zones							\$ 250,000											
	WWTP - Replace all Aeration Basin Air Line Knee Braces							\$ 250,000											
	WWTP - Miscellaneous Valve Replacements							\$ -											
	7th Ave SW; 14th St SW to 18th St SW (Sinkhole)		\$ 450,000								\$ 200,000								
	Total (Current Dollars)	\$ -	\$ 7,514,074	\$ 6,428,000	\$ 8,205,000	\$ 3,280,000	\$ 2,790,000	\$ 3,005,000	\$ 7,285,000	\$ 7,840,000	\$ 3,730,000	\$ 7,162,000	\$ 4,940,000	\$ 2,520,000	\$ 2,550,000	\$ 9,471,000	\$ 750,000	\$ 750,000	\$ 750,000
	Total (Inflated Dollars)	\$ -	\$ 7,514,074	\$ 6,620,840	\$ 8,704,685	\$ 3,584,145	\$ 3,140,170	\$ 3,483,619	\$ 8,698,671	\$ 9,642,211	\$ 4,725,052	\$ 9,344,786	\$ 6,638,947	\$ 3,488,269	\$ 3,635,690	\$ 13,908,483	\$ 1,134,442	\$ 1,168,476	\$ 1,203,530




City of Puyallup
Sewer Rate Model
Capital Cost Summary & Funding Strategy

Capital Expenditures	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Projected Capital Expenditures	\$ -	\$ 7,514,074	\$ 6,620,840	\$ 8,704,685	\$ 3,584,145	\$ 3,140,170	\$ 3,483,619	\$ 8,698,671	\$ 9,642,211	\$ 4,725,052	\$ 9,344,786
Capital Expenditures (Uninflated)	\$ -	\$ 7,514,074	\$ 6,428,000	\$ 8,205,000	\$ 3,280,000	\$ 2,790,000	\$ 3,005,000	\$ 7,285,000	\$ 7,840,000	\$ 3,730,000	\$ 7,162,000
Total Per Source Documents:		\$ 7,514,074	\$ 6,428,000	\$ 8,205,000	\$ 3,280,000	\$ 2,790,000	\$ 3,005,000				
Adjustments to CIP:											
Adjusted Total (Uninflated)	\$ -	\$ 7,514,074	\$ 6,428,000	\$ 8,205,000	\$ 3,280,000	\$ 2,790,000	\$ 3,005,000	\$ -	\$ -	\$ -	\$ -
Difference	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Funding Strategy	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Grants/Contributions											
Public Works Trust Fund Loans											
Revenue Bonds											
Capital Fund	-	7,514,074	5,249,108	643,640	650,077	656,577	663,143	669,775	2,656,580	2,630,785	2,754,598
Direct Funding From Rates	-	-	1,371,732	8,061,044	2,934,068	2,483,592	2,820,475	8,028,896	6,985,631	2,094,267	6,590,188
Total	\$ -	\$ 7,514,074	\$ 6,620,840	\$ 8,704,685	\$ 3,584,145	\$ 3,140,170	\$ 3,483,619	\$ 8,698,671	\$ 9,642,211	\$ 4,725,052	\$ 9,344,786




City of Puyallup
Sewer Rate Model
Debt Service Schedules

Existing Debt Service	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
PW-97-791-011 (1997 WPC Plant Construction)											
Principal Payments	\$ 372,755	\$ 372,755	\$ 372,755	\$ 372,755							
Interest Payments	14,910	11,183	7,455	3,728							
Total Payments	\$ 387,666	\$ 383,938	\$ 380,211	\$ 376,483	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Additional Coverage Required	1.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Use of Bond Reserve for Final Payments											
2004 Water & Sewer Refunding Bonds (Sewer Share)											
Principal Payments	\$ 1,243,380	\$ 551,310	\$ 617,780								
Interest Payments	64,464	32,781	11,429								
Total Payments	\$ 1,307,844	\$ 584,091	\$ 629,209	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Additional Coverage Required	1.20	\$ 261,569	\$ 116,818	\$ 59,255	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Use of Bond Reserve for Final Payments			\$ 332,935								
2009 Water and Sewer Revenue Bonds (Series A)											
Principal Payments	\$ 210,000	\$ 215,000	\$ 225,000	\$ 235,000	\$ 245,000	\$ 250,000	\$ 265,000	\$ 270,000	\$ 280,000	\$ 295,000	\$ 305,000
Interest Payments	166,969	159,619	151,019	143,144	133,744	123,944	113,944	104,006	93,881	82,541	70,594
Total Payments	\$ 376,969	\$ 374,619	\$ 376,019	\$ 378,144	\$ 378,744	\$ 373,944	\$ 378,944	\$ 374,006	\$ 373,881	\$ 377,541	\$ 375,594
Additional Coverage Required	1.20	\$ 75,394	\$ 74,924	\$ 75,204	\$ 75,629	\$ 75,749	\$ 74,789	\$ 75,789	\$ 74,801	\$ 74,776	\$ 75,508
Use of Bond Reserve for Final Payments											
2009 W&S Refunding Bonds (Series B - Sewer Share)											
Principal Payments	\$ 112,706	\$ 114,774	\$ 119,944	\$ 125,114	\$ 58,938	\$ 62,040					
Interest Payments	23,782	19,837	15,246	10,449	5,444	2,792					
Total Payments	\$ 136,488	\$ 134,611	\$ 135,190	\$ 135,563	\$ 64,382	\$ 64,832	\$ -	\$ -	\$ -	\$ -	\$ -
Additional Coverage Required	1.20	\$ 27,298	\$ 26,922	\$ 27,038	\$ 27,113	\$ 12,876	\$ -	\$ -	\$ -	\$ -	\$ -
Use of Bond Reserve for Final Payments					\$ 64,832						
2013 Water & Sewer Refunding Bonds (Sewer Share)											
Principal Payments	\$ 43,010	\$ 742,900	\$ 758,540	\$ 742,900	\$ 660,790	\$ 672,520	\$ 289,340				
Interest Payments	77,770	69,911	54,896	39,882	25,845	12,512	2,893				
Total Payments	\$ 120,780	\$ 812,811	\$ 813,436	\$ 782,782	\$ 686,635	\$ 685,032	\$ 292,233	\$ -	\$ -	\$ -	\$ -
Additional Coverage Required	1.20	\$ 24,156	\$ 162,562	\$ 162,687	\$ 156,556	\$ 137,327	\$ 137,006	\$ -	\$ -	\$ -	\$ -
Use of Bond Reserve for Final Payments							\$ 292,233				
Blank Section											
Principal Payments											
Interest Payments											
Total Payments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Additional Coverage Required	1.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Use of Bond Reserve for Final Payments											
Blank Section											
Principal Payments											
Interest Payments											
Total Payments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Additional Coverage Required	1.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Use of Bond Reserve for Final Payments											




City of Puyallup
Sewer Rate Model
Debt Service Schedules

Existing Debt Service (Continued)	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Principal Payments											
Interest Payments											
Total Payments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Additional Coverage Required	1.00										
Use of Bond Reserve for Final Payments											
Principal Payments											
Interest Payments											
Total Payments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Additional Coverage Required	1.00										
Use of Bond Reserve for Final Payments											
Principal Payments											
Interest Payments											
Total Payments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Additional Coverage Required	1.00										
Use of Bond Reserve for Final Payments											
Principal Payments											
Interest Payments											
Total Payments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Additional Coverage Required	1.00										
Use of Bond Reserve for Final Payments											
Principal Payments											
Interest Payments											
Total Payments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Additional Coverage Required	1.00										
Use of Bond Reserve for Final Payments											
Summary of Existing Debt Service	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Principal Payments	\$ 1,981,851	\$ 1,996,739	\$ 2,094,019	\$ 1,475,769	\$ 964,728	\$ 984,560	\$ 554,340	\$ 270,000	\$ 280,000	\$ 295,000	\$ 305,000
Interest Payments	347,895	293,331	240,046	197,202	165,033	139,248	116,837	104,006	93,881	82,541	70,594
Total Payments	\$ 2,329,746	\$ 2,290,070	\$ 2,334,065	\$ 1,672,971	\$ 1,129,761	\$ 1,123,808	\$ 671,177	\$ 374,006	\$ 373,881	\$ 377,541	\$ 375,594
Debt Service Requiring Coverage	\$ 1,942,081	\$ 1,906,132	\$ 1,953,854	\$ 1,296,488	\$ 1,129,761	\$ 1,123,808	\$ 671,177	\$ 374,006	\$ 373,881	\$ 377,541	\$ 375,594
Additional Coverage Required	\$ 388,416	\$ 381,226	\$ 324,184	\$ 259,298	\$ 225,952	\$ 211,795	\$ 75,789	\$ 74,801	\$ 74,776	\$ 75,508	\$ 75,119
Use of Bond Reserve for Final Payments	\$ -	\$ -	\$ 332,935	\$ -	\$ -	\$ 64,832	\$ 292,233	\$ -	\$ -	\$ -	\$ -
Outstanding Debt Principal at Year-End	\$ 10,575,156	\$ 8,578,417	\$ 6,484,397	\$ 5,008,628	\$ 4,043,900	\$ 3,059,340	\$ 2,505,000	\$ 2,235,000	\$ 1,955,000	\$ 1,660,000	\$ 1,355,000



City of Puyallup
Sewer Rate Model
Debt Service Schedules

New Debt Issuance	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Public Works Trust Fund Loans											
Amount Issued	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Revenue Bonds											
Net Proceeds Required	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Plus: Issuance Cost	-	-	-	-	-	-	-	-	-	-	-
Plus: Reserve Requirement	-	-	-	-	-	-	-	-	-	-	-
Total Amount Issued	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
New Debt Service	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Public Works Trust Fund Loans											
Principal Payments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest Payments	-	-	-	-	-	-	-	-	-	-	-
Total Payments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Revenue Bonds											
Principal Payments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest Payments	-	-	-	-	-	-	-	-	-	-	-
Total Payments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Additional Coverage Required	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Use of Reserves for Final Payments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
All New Debt											
Principal Payments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest Payments	-	-	-	-	-	-	-	-	-	-	-
Total Payments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Additional Coverage Required	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Use of Reserves for Final Payments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Summary of Total Debt Service	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Principal Payments	\$ 1,981,851	\$ 1,996,739	\$ 2,094,019	\$ 1,475,769	\$ 964,728	\$ 984,560	\$ 554,340	\$ 270,000	\$ 280,000	\$ 295,000	\$ 305,000
Interest Payments	347,895	293,331	240,046	197,202	165,033	139,248	116,837	104,006	93,881	82,541	70,594
Total Payments	\$ 2,329,746	\$ 2,290,070	\$ 2,334,065	\$ 1,672,971	\$ 1,129,761	\$ 1,123,808	\$ 671,177	\$ 374,006	\$ 373,881	\$ 377,541	\$ 375,594
Debt Service Requiring Coverage	\$ 1,942,081	\$ 1,906,132	\$ 1,953,854	\$ 1,296,488	\$ 1,129,761	\$ 1,123,808	\$ 671,177	\$ 374,006	\$ 373,881	\$ 377,541	\$ 375,594
Additional Coverage Required	\$ 388,416	\$ 381,226	\$ 324,184	\$ 259,298	\$ 225,952	\$ 211,795	\$ 75,789	\$ 74,801	\$ 74,776	\$ 75,508	\$ 75,119
Use of Bond Reserve for Final Payments	\$ -	\$ -	\$ 332,935	\$ -	\$ -	\$ 64,832	\$ 292,233	\$ -	\$ -	\$ -	\$ -




City of Puyallup
Sewer Rate Model
Revenue Requirement Analysis

Cash Flow Sufficiency Test	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Expenses:											
Operating Expenses	\$ 5,951,994	\$ 6,794,662	\$ 6,973,192	\$ 7,180,690	\$ 7,395,090	\$ 7,616,640	\$ 7,845,596	\$ 8,082,223	\$ 8,326,796	\$ 8,579,604	\$ 8,840,942
Debt Service	2,329,746	2,290,070	2,334,065	1,672,971	1,129,761	1,123,808	671,177	374,006	373,881	377,541	375,594
Less: Use of Bond Reserve for Final Payments	-	-	(332,935)	-	-	(64,832)	(292,233)	-	-	-	-
System Reinvestment Funding	-	-	-	-	-	-	-	1,970,256	1,937,859	2,054,257	2,112,087
Direct Rate Funding For Capital Projects	-	-	1,371,732	8,061,044	2,934,068	2,483,592	2,820,475	8,028,896	6,985,631	2,094,267	6,590,188
Additions to Operating Fund	-	-	-	-	-	-	-	-	-	-	-
Total	\$ 8,281,740	\$ 9,084,732	\$ 10,346,053	\$ 16,914,705	\$ 11,458,919	\$ 11,159,208	\$ 11,045,015	\$ 18,455,381	\$ 17,624,168	\$ 13,105,669	\$ 17,918,811
Revenues:											
Rate Revenue	\$ 9,478,326	\$ 9,788,505	\$ 9,886,390	\$ 9,985,254	\$ 10,085,106	\$ 10,185,957	\$ 10,287,817	\$ 10,390,695	\$ 10,494,602	\$ 10,599,548	\$ 10,705,543
Other Operating Revenues	137,290	149,811	155,987	170,420	154,572	163,928	176,065	191,343	172,249	159,930	172,271
Use of Interest Earnings for Debt Service	8,273	5,429	5,429	3,764	3,764	3,764	3,440	1,979	1,979	1,979	1,979
Total	\$ 9,623,889	\$ 9,943,745	\$ 10,047,805	\$ 10,159,438	\$ 10,243,442	\$ 10,353,650	\$ 10,467,322	\$ 10,584,017	\$ 10,668,830	\$ 10,761,456	\$ 10,879,794
Net Cash Flow	\$ 1,342,149	\$ 859,012	\$ (298,247)	\$ (6,755,267)	\$ (1,215,477)	\$ (805,559)	\$ (577,693)	\$ (7,871,364)	\$ (6,955,338)	\$ (2,344,213)	\$ (7,039,017)

Coverage Sufficiency Test	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Expenses:											
Operating Expenses	\$ 5,951,994	\$ 6,794,662	\$ 6,973,192	\$ 7,180,690	\$ 7,395,090	\$ 7,616,640	\$ 7,845,596	\$ 8,082,223	\$ 8,326,796	\$ 8,579,604	\$ 8,840,942
Net Debt Service Requiring Coverage	1,942,081	1,906,132	1,620,919	1,296,488	1,129,761	1,058,976	378,944	374,006	373,881	377,541	375,594
Additional Coverage Required	388,416	381,226	324,184	259,298	225,952	211,795	75,789	74,801	74,776	75,508	75,119
Total	\$ 8,282,491	\$ 9,082,021	\$ 8,918,294	\$ 8,736,476	\$ 8,750,803	\$ 8,887,411	\$ 8,300,328	\$ 8,531,030	\$ 8,775,454	\$ 9,032,653	\$ 9,291,655
Revenues:											
Rate Revenue	\$ 9,478,326	\$ 9,788,505	\$ 9,886,390	\$ 9,985,254	\$ 10,085,106	\$ 10,185,957	\$ 10,287,817	\$ 10,390,695	\$ 10,494,602	\$ 10,599,548	\$ 10,705,543
Other Operating Revenues	137,290	149,811	155,987	170,420	154,572	163,928	176,065	191,343	172,249	159,930	172,271
SDC Revenues Counted In Coverage Test	788,677	630,958	637,268	643,640	650,077	656,577	663,143	669,775	676,472	683,237	690,069
Interest Earnings (All Funds)	60,608	62,504	28,373	3,764	3,764	3,764	3,440	1,979	11,830	11,668	12,250
Total	\$ 10,464,901	\$ 10,631,777	\$ 10,708,017	\$ 10,803,078	\$ 10,893,519	\$ 11,010,227	\$ 11,130,465	\$ 11,253,792	\$ 11,355,154	\$ 11,454,383	\$ 11,580,134
Coverage Surplus (Deficit)	\$ 2,182,410	\$ 1,549,757	\$ 1,789,723	\$ 2,066,602	\$ 2,142,716	\$ 2,122,816	\$ 2,830,137	\$ 2,722,762	\$ 2,579,700	\$ 2,421,729	\$ 2,288,480
Coverage Ratio Realized	2.32	2.01	2.30	2.79	3.10	3.20	8.67	8.48	8.10	7.61	7.29

Sewer Rate Revenue Requirement	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Maximum Deficit (Minimum Surplus)	\$ (1,342,149)	\$ (859,012)	\$ 298,247	\$ 6,755,267	\$ 1,215,477	\$ 805,559	\$ 577,693	\$ 7,871,364	\$ 6,955,338	\$ 2,344,213	\$ 7,039,017
Plus: Adjustment for Taxes	(145,942)	(93,407)	32,431	734,549	132,168	87,594	62,817	855,910	756,304	254,903	765,403
Net Revenue From Prior Rate Adjustments	-	-	-	(2,096,903)	(2,483,962)	(2,889,644)	(3,314,731)	(3,760,036)	(4,226,403)	(4,714,714)	(5,071,209)
Net Revenue Deficit (Surplus)	\$ (1,488,091)	\$ (952,419)	\$ 330,678	\$ 5,392,913	\$ (1,136,317)	\$ (1,996,491)	\$ (2,674,221)	\$ 4,967,239	\$ 3,485,239	\$ (2,115,598)	\$ 2,733,211
Full-Year Rate Adjustment Required	-15.70%	-9.73%	3.34%	44.64%	-9.04%	-15.27%	-19.66%	35.10%	23.68%	-13.81%	17.32%
Number of Months New Rates Will Be In Effect	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months
Effective Rate Adjustment Required	-15.70%	-9.73%	3.34%	44.64%	-9.04%	-15.27%	-19.66%	35.10%	23.68%	-13.81%	17.32%
Annual Rate Revenue Adjustment Implemented	0.00%	0.00%	21.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	2.00%	2.00%
Cumulative Rate Revenue Adjustment Implemented	0.00%	0.00%	21.00%	24.63%	28.37%	32.22%	36.19%	40.27%	44.48%	47.37%	50.32%
Post-Adjustment Summary:											
Rate Revenue	\$ 9,478,326	\$ 9,788,505	\$ 11,962,532	\$ 12,444,622	\$ 12,946,140	\$ 13,467,869	\$ 14,010,624	\$ 14,575,253	\$ 15,162,635	\$ 15,620,547	\$ 16,092,287
Net Cash Flow	\$ 1,342,149	\$ 859,012	\$ 1,574,281	\$ (4,537,097)	\$ 1,364,967	\$ 2,154,486	\$ 2,780,007	\$ (4,097,199)	\$ (2,745,113)	\$ 2,184,362	\$ (2,180,568)
Coverage Ratio Realized	2.32	2.01	3.46	4.50	5.38	6.00	17.53	18.57	19.36	19.61	20.23
Coverage Ratio Required	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
Ending Operating Fund Balance	\$ 2,919,196	\$ 2,674,110	\$ 5,295,854	\$ 1,858,756	\$ 3,459,812	\$ 5,614,298	\$ 8,394,306	\$ 4,297,107	\$ 1,551,994	\$ 3,736,356	\$ 1,555,788
Minimum Operating Fund Balance Required	\$ 978,410	\$ 1,116,931	\$ 1,146,278	\$ 1,180,387	\$ 1,215,631	\$ 1,252,050	\$ 1,289,687	\$ 1,328,585	\$ 1,368,788	\$ 1,410,346	\$ 1,453,306



City of Puyallup
Sewer Rate Model
Summary of Fund Activity

Operating Fund	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Beginning Balance	\$ 978,410	\$ 1,116,931	\$ 2,674,110	\$ 5,295,854	\$ 1,858,756	\$ 3,459,812	\$ 5,614,298	\$ 8,394,306	\$ 4,297,107	\$ 1,551,994	\$ 3,736,356
Net Cash Flow After Rate Adjustments	1,342,149	859,012	1,574,281	(4,537,097)	1,364,967	2,154,486	2,780,007	(4,097,199)	(2,745,113)	2,184,362	(2,180,568)
Plus: Interfund Loan Repayment	598,637	698,167	1,047,462	1,100,000	236,089						
Less: Transfer to Capital Fund											
Ending Balance	\$ 2,919,196	\$ 2,674,110	\$ 5,295,854	\$ 1,858,756	\$ 3,459,812	\$ 5,614,298	\$ 8,394,306	\$ 4,297,107	\$ 1,551,994	\$ 3,736,356	\$ 1,555,788
Minimum Balance	\$ 978,410	\$ 1,116,931	\$ 1,146,278	\$ 1,180,387	\$ 1,215,631	\$ 1,252,050	\$ 1,289,687	\$ 1,328,585	\$ 1,368,788	\$ 1,410,346	\$ 1,453,306
Capital Fund	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Beginning Balance	\$ 10,466,924	\$ 11,414,938	\$ 4,588,896	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,970,256	\$ 1,937,859	\$ 2,054,257
Plus: Interest Earnings	52,335	57,075	22,944	-	-	-	-	-	9,851	9,689	10,271
Plus: Transfer from Operating Fund	-	-	-	-	-	-	-	-	-	-	-
Plus: System Development Charge Revenue	788,677	630,958	637,268	643,640	650,077	656,577	663,143	669,775	676,472	683,237	690,069
Plus: System Reinvestment Funding	-	-	-	-	-	-	-	1,970,256	1,937,859	2,054,257	2,112,087
Plus: Direct Rate Funding for Capital Projects	-	-	1,371,732	8,061,044	2,934,068	2,483,592	2,820,475	8,028,896	6,985,631	2,094,267	6,590,188
Plus: Proceeds from New Public Works Trust Fund Loans	-	-	-	-	-	-	-	-	-	-	-
Plus: Proceeds from New Revenue Bonds	-	-	-	-	-	-	-	-	-	-	-
Less: Capital Project Expenditures	-	(7,514,074)	(6,620,840)	(8,704,685)	(3,584,145)	(3,140,170)	(3,483,619)	(8,698,671)	(9,642,211)	(4,725,052)	(9,344,786)
Ending Balance	\$ 11,307,935	\$ 4,588,896	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,970,256	\$ 1,937,859	\$ 2,054,257	\$ 2,112,087
Minimum Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond Reserve Fund	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Beginning Balance	\$ 1,654,589	\$ 1,085,787	\$ 1,085,787	\$ 752,851	\$ 752,851	\$ 752,851	\$ 688,020	\$ 395,786	\$ 395,786	\$ 395,786	\$ 395,786
Plus: Interest Earnings	8,273	5,429	5,429	3,764	3,764	3,764	3,440	1,979	1,979	1,979	1,979
Plus: Net Proceeds from New Revenue Bonds	-	-	-	-	-	-	-	-	-	-	-
Less: Use of Interest Earnings for Debt Service	(8,273)	(5,429)	(5,429)	(3,764)	(3,764)	(3,764)	(3,440)	(1,979)	(1,979)	(1,979)	(1,979)
Less: Release of Reserves for Final-Year Payments	-	-	(332,935)	-	-	(64,832)	(292,233)	-	-	-	-
Ending Balance	\$ 1,654,589	\$ 1,085,787	\$ 752,851	\$ 752,851	\$ 752,851	\$ 688,020	\$ 395,786	\$ 395,786	\$ 395,786	\$ 395,786	\$ 395,786
Minimum Balance	\$ 989,943	\$ 882,810	\$ 752,851	\$ 673,964	\$ 600,140	\$ 510,738	\$ 378,241	\$ 378,241	\$ 378,241	\$ 378,241	\$ 378,241
All Funds	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Beginning Balance	\$ 13,099,923	\$ 13,617,655	\$ 8,348,793	\$ 6,048,705	\$ 2,611,608	\$ 4,212,663	\$ 6,302,318	\$ 8,790,092	\$ 6,663,149	\$ 3,885,639	\$ 6,186,399
Plus: Inflows	2,790,071	2,250,641	4,659,116	9,808,449	5,188,964	5,298,420	6,267,066	10,670,906	9,611,793	7,027,791	9,404,594
Less: Outflows	(8,273)	(7,519,503)	(6,959,204)	(13,245,546)	(3,587,909)	(3,208,766)	(3,779,292)	(12,797,849)	(12,389,303)	(4,727,031)	(11,527,332)
Ending Balance	\$ 15,881,721	\$ 8,348,793	\$ 6,048,705	\$ 2,611,608	\$ 4,212,663	\$ 6,302,318	\$ 8,790,092	\$ 6,663,149	\$ 3,885,639	\$ 6,186,399	\$ 4,063,661
Net Change	\$ 2,781,798	\$ (5,268,862)	\$ (2,300,088)	\$ (3,437,097)	\$ 1,601,056	\$ 2,089,654	\$ 2,487,774	\$ (2,126,943)	\$ (2,777,510)	\$ 2,300,759	\$ (2,122,738)

Summary of Plant-In-Service

Asset Category	Original Cost			
	Treatment	Conveyance	General	Total
Land	\$ 915,532	\$ 22,273	\$ -	\$ 937,805
Other Improvements	873,603	100,566	61,165	1,035,333
Heavy Equipment	2,849,992	-	13,102	2,863,095
Machinery & Equipment	70,908	85,596	-	156,505
Buildings & Structures	37,767,586	-	818,705	38,586,291
Software	-	-	28,174	28,174
Sewer Pipes	-	37,178,402	-	37,178,402
Force Mains	-	7,326,085	-	7,326,085
Lift Stations	-	6,391,944	-	6,391,944
Total	\$ 42,477,621	\$ 51,104,867	\$ 921,146	\$ 94,503,635

Asset Category	Utility-Funded			
	Treatment	Conveyance	General	Total
Land	\$ 915,532	\$ 22,273	\$ -	\$ 937,805
Other Improvements	873,603	100,566	61,165	1,035,333
Heavy Equipment	2,849,992	-	13,102	2,863,095
Machinery & Equipment	70,908	85,596	-	156,505
Buildings & Structures	37,767,586	-	818,705	38,586,291
Software	-	-	28,174	28,174
Sewer Pipes	-	35,230,098	-	35,230,098
Force Mains	-	7,326,085	-	7,326,085
Lift Stations	-	6,391,944	-	6,391,944
Total	\$ 42,477,621	\$ 49,156,563	\$ 921,146	\$ 92,555,330

Asset Category	Donated			
	Treatment	Conveyance	General	Total
Land	\$ -	\$ -	\$ -	\$ -
Other Improvements	-	-	-	-
Heavy Equipment	-	-	-	-
Machinery & Equipment	-	-	-	-
Buildings & Structures	-	-	-	-
Software	-	-	-	-
Sewer Pipes	-	1,948,304	-	1,948,304
Force Mains	-	-	-	-
Lift Stations	-	-	-	-
Total	\$ -	\$ 1,948,304	\$ -	\$ 1,948,304



City of Puyallup
Sewer Rate Model
System Development Charge (SDC) Calculation

2015

Existing Cost Basis

Plant-In-Service as of Year-End 2014
 Less: Assets Funded By Grants / Developer Extensions
 Less: Provision for Asset Retirements (*Due to R&R CIP Projects*)
 Plus: Interest Accrued on Existing Assets Included In Cost Basis
 Plus: Construction Work In Progress as of 12/31/14
 Less: Outstanding Debt Principal Net of Available Cash
Total Existing Cost Basis

Future Cost Basis

Capital Improvement Program
 Less: Other Projects Funded By Grants / Developer Extensions
Total Future Cost Basis

Total SDC Cost Basis

Customer Base [1]

Existing ERUs
 Growth ERUs
Total

SDC per ERU

Average Cost Method
 Buy-In + Growth Method

[1] Estimation of Treatment ERUs:

Average Daily Flow (Gallons per Capita, per Day)
 Persons per Residence (per 2010 Census)
 Percent I&I
 Gallons per ERU per Day
 Average Daily Flow at WWTP
 Number of ERUs
 Total Capacity of Treatment Plant
 Number of Growth ERUs

"Average Cost" Method			
Treatment	Conveyance	General	Total
\$ 42,477,621	\$ 51,104,867	\$ 921,146	\$ 94,503,635
-	(1,948,304)	-	(1,948,304)
(16,704,168)	(7,410,996)	-	(24,115,163)
26,899,338	29,801,495	489,768	57,190,600
-	-	-	-
\$ 52,672,792	\$ 71,547,062	\$ 1,410,914	\$ 125,630,768
Treatment	Conveyance	General	Total
\$ 30,830,074	\$ 50,390,000	\$ -	\$ 81,220,074
-	-	-	-
\$ 30,830,074	\$ 50,390,000	\$ -	\$ 81,220,074
\$ 83,502,866	\$ 121,937,062	\$ 1,410,914	\$ 206,850,842
21,847	21,847	21,847	
32,932	7,390	7,390	
54,779	29,237	29,237	
\$1,524	\$4,171	\$48	\$5,743

	2015	2034	Design
Average Daily Flow (Gallons per Capita, per Day)	75.0 gpcd	75.0 gpcd	
Persons per Residence (per 2010 Census)	2.49	2.49	
Percent I&I			
Gallons per ERU per Day	187 gpd	187 gpd	
Average Daily Flow at WWTP	4.08 MGD	5.46 MGD	
Number of ERUs	21,847	29,237	
Total Capacity of Treatment Plant			10.23 MGD
Number of Growth ERUs			32,932