APPENDIX 10: CHAPTER 10 APPENDICES

10A: Financial Detail

City of Yelm
General Sewer Plan - 1.8% Growth
Summary

Revenue Requirement	2012	2013	2014	2015	2016	2017	2018	2019	2020
Revenues									
Rate Revenues Under Existing Rates	$ 1,407,436	$ 1,437,892	$ 1,463,774	$ 1,490,122	$ 1,516,944	$ 1,544,249	$ 1,572,045	$ 1,600,342	$ 1,629,148
SDC Revenue Towards Debt	157,227	156,967	159,792	162,669	165,597	168,578	171,612	174,701	177,846
Non-Rate Revenues	23,145	24,961	25,207	25,120	28,320	28,497	28,856	29,441	30,188
Total Revenues	**$ 1,587,808**	**$ 1,619,819**	**$ 1,648,773**	**$ 1,677,910**	**$ 1,710,861**	**$ 1,741,323**	**$ 1,772,513**	**$ 1,804,484**	**$ 1,837,182**
Expenses									
Cash Operating Expenses	$ 1,378,203	$ 1,446,374	$ 1,493,173	$ 1,532,181	$ 1,672,040	$ 1,724,659	$ 1,864,910	$ 1,915,502	$ 2,083,823
Existing Debt Service	363,382	363,382	363,382	363,382	363,382	363,380	270,127	270,127	270,127
New Debt Service	-	-	-	-	-	-	-	-	-
Rate Funded System Reinvestment	-	-	-	-	-	-	-	-	-
Total Expenses	**$ 1,741,585**	**$ 1,809,756**	**$ 1,856,555**	**$ 1,895,563**	**$ 2,035,422**	**$ 2,088,040**	**$ 2,135,037**	**$ 2,185,629**	**$ 2,353,949**
Net Surplus (Deficiency)	**$ (153,776)**	**$ (189,937)**	**$ (207,782)**	**$ (217,653)**	**$ (324,561)**	**$ (346,717)**	**$ (362,523)**	**$ (381,144)**	**$ (516,767)**
Additions to Meet Coverage	-	-	-	-	-	-	-	-	-
Total Surplus (Deficiency)	**$ (153,776)**	**$ (189,937)**	**$ (207,782)**	**$ (217,653)**	**$ (324,561)**	**$ (346,717)**	**$ (362,523)**	**$ (381,144)**	**$ (516,767)**
% of Rate Revenue	**10.93%**	**13.21%**	**14.19%**	**14.61%**	**21.40%**	**22.45%**	**23.06%**	**23.82%**	**31.72%**
Annual Rate Adjustment	**0.00%**	**5.40%**	**4.00%**	**4.00%**	**4.00%**	**3.00%**	**3.00%**	**3.00%**	**3.00%**
Cumulative Annual Rate Adjustment	**0.00%**	**5.40%**	**9.62%**	**14.00%**	**18.56%**	**22.12%**	**25.78%**	**29.55%**	**33.44%**
Rate Revenues After Rate Increase	$ 1,407,436	$ 1,509,067	$ 1,599,387	$ 1,693,304	$ 1,792,734	$ 1,881,221	$ 1,972,535	$ 2,068,282	$ 2,168,676
Additional Taxes from Rate Increase	$ -	$ 5,589	$ 10,648	$ 15,954	$ 21,655	$ 26,459	$ 31,446	$ 36,743	$ 42,364
Net Cash Flow After Rate Increase	**(153,776)**	**(124,350)**	**(82,816)**	**(30,425)**	**(70,426)**	**(36,204)**	**6,520**	**50,053**	**(19,603)**
Coverage After Rate Increases	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**
Sample Residential Monthly Bill	**$ 48.39**	**$ 51.00**	**$ 53.04**	**$ 55.16**	**$ 57.37**	**$ 59.09**	**$ 60.87**	**$ 62.69**	**$ 64.57**
Monthly Average Increase ($)	$ -	$ 2.61	$ 2.04	$ 2.12	$ 2.21	$ 1.72	$ 1.77	$ 1.83	$ 1.88

City of Yelm
General Sewer Plan - 1.8% Growth
Summary

Fund Balance	2012	2013	2014	2015	2016	2017	2018	2019	2020
OPERATING FUND									
Beginning Balance	$ 983,664	$ 829,888	$ 705,538	$ 409,089	$ 378,664	$ 308,239	$ 272,035	$ 278,555	$ 314,877
plus: Net Cash Flow after Rate Increase	(153,776)	(124,350)	(82,816)	(30,425)	(70,426)	(36,204)	6,520	50,053	(19,603)
less: Transfer of Surplus to Capital Fund	-	-	(213,633)	-	-	-	-	(13,731)	-
Ending Balance	**$ 829,888**	**$ 705,538**	**$ 409,089**	**$ 378,664**	**$ 308,239**	**$ 272,035**	**$ 278,555**	**$ 314,877**	**$ 295,274**
Target Balance	*$ 226,554*	*$ 237,760*	*$ 245,453*	*$ 251,865*	*$ 274,856*	*$ 283,506*	*$ 306,561*	*$ 314,877*	*$ 342,546*
Days	*220*	*178*	*100*	*90*	*67*	*58*	*55*	*60*	*52*
CAPITAL FUND									
Beginning Balance	$ 632,858	$ 771,501	$ 308,947	$ 82,062	$ 347,854	$ 619,758	$ 705,565	$ 785,227	$ 875,434
plus: Rate Funded System Reinvestment	-	-	-	-	-	-	-	-	-
plus: Transfers from Operating Fund	-	-	213,633	-	-	-	-	13,731	-
plus: Grants/ Donations/ CIAC	-	-	-	-	-	-	-	-	-
plus: Additional Proceeds (Costs)	60,000	101,888	101,888	101,888	101,888	101,888	101,888	101,888	101,888
plus: System Development Charges	604,721	313,934	319,585	325,337	331,194	337,155	343,224	349,402	355,691
less: System Development Charges Towards Debt	(157,227)	(156,967)	(159,792)	(162,669)	(165,597)	(168,578)	(171,612)	(174,701)	(177,846)
plus: Net Debt Proceeds Available for Projects	-	-	-	-	-	-	-	-	-
plus: Interest Earnings	1,000	2,615	1,690	1,236	4,419	5,778	2,679	2,679	2,679
Total Funding Sources	**$ 1,141,351**	**$ 1,032,971**	**$ 785,950**	**$ 347,854**	**$ 619,758**	**$ 896,002**	**$ 981,745**	**$ 1,078,227**	**$ 1,157,847**
less: Capital Expenditures	(369,850)	(724,025)	(703,889)	-	-	(190,437)	(196,518)	(202,793)	-
Ending Working Capital Balance	**$ 771,501**	**$ 308,947**	**$ 82,062**	**$ 347,854**	**$ 619,758**	**$ 705,565**	**$ 785,227**	**$ 875,434**	**$ 1,157,847**
Minimum Target Balance	*$ 392,160*	*$ 399,401*	*$ 406,440*	*$ 406,440*	*$ 406,440*	*$ 408,344*	*$ 410,309*	*$ 412,337*	*$ 412,337*

Notes:

Additional Proceeds (Costs) Consist of the following:	2012	2013	2014	2015	2016	2017	2018	2019	2020
Interfund Loan Repayment	$ 60,000	$ 101,888	$ 101,888	$ 101,888	$ 101,888	$ 101,888	$ 101,888	$ 101,888	$ 101,888
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City of Yelm
General Sewer Plan -
Summary

Revenue Requirement	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Revenues											
Rate Revenues Under Existing Rates	$ 1,658,473	$ 1,688,325	$ 1,718,715	$ 1,749,652	$ 1,781,146	$ 1,813,207	$ 1,845,844	$ 1,879,069	$ 1,912,893	$ 1,947,325	$ 1,982,377
SDC Revenue Towards Debt	181,047	184,306	173,026	173,026	173,026	173,026	173,026	173,026	173,026	173,026	173,026
Non-Rate Revenues	30,667	31,467	27,705	28,322	28,953	29,598	30,257	30,930	31,619	32,323	33,043
Total Revenues	**$ 1,870,187**	**$ 1,904,098**	**$ 1,919,447**	**$ 1,951,000**	**$ 1,983,125**	**$ 2,015,830**	**$ 2,049,127**	**$ 2,083,026**	**$ 2,117,538**	**$ 2,152,674**	**$ 2,188,445**
Expenses											
Cash Operating Expenses	$ 2,051,107	$ 2,118,047	$ 2,160,226	$ 2,224,854	$ 2,423,837	$ 2,497,913	$ 2,591,987	$ 2,693,230	$ 2,797,803	$ 3,044,355	$ 3,160,523
Existing Debt Service	270,126	270,126	173,026	173,026	173,026	173,026	173,026	173,026	173,026	173,026	173,026
New Debt Service	-	-	-	-	-	-	-	-	-	-	-
Rate Funded System Reinvestment	-	-	-	-	-	-	-	-	-	-	-
Total Expenses	**$ 2,321,234**	**$ 2,388,173**	**$ 2,333,252**	**$ 2,397,880**	**$ 2,596,863**	**$ 2,670,939**	**$ 2,765,013**	**$ 2,866,256**	**$ 2,970,829**	**$ 3,217,381**	**$ 3,333,549**
Net Surplus (Deficiency)	**$ (451,047)**	**$ (484,075)**	**$ (413,805)**	**$ (446,879)**	**$ (613,739)**	**$ (655,109)**	**$ (715,886)**	**$ (783,230)**	**$ (853,291)**	**$(1,064,707)**	**$(1,145,104)**
Additions to Meet Coverage	-	-	-	-	-	-	-	-	-	-	-
Total Surplus (Deficiency)	**$ (451,047)**	**$ (484,075)**	**$ (413,805)**	**$ (446,879)**	**$ (613,739)**	**$ (655,109)**	**$ (715,886)**	**$ (783,230)**	**$ (853,291)**	**$(1,064,707)**	**$(1,145,104)**
% of Rate Revenue	**27.20%**	**28.67%**	**24.08%**	**25.54%**	**34.46%**	**36.13%**	**38.78%**	**41.68%**	**44.61%**	**54.68%**	**57.76%**
Annual Rate Adjustment	**3.00%**	**3.00%**	**3.00%**	**3.00%**	**3.00%**	**3.00%**	**3.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**
Cumulative Annual Rate Adjustment	**37.44%**	**41.57%**	**45.81%**	**50.19%**	**54.69%**	**59.34%**	**64.12%**	**64.12%**	**64.12%**	**64.12%**	**64.12%**
Rate Revenues After Rate Increase	$ 2,273,944	$ 2,384,321	$ 2,500,056	$ 2,621,409	$ 2,748,652	$ 2,882,072	$ 3,021,967	$ 3,083,848	$ 3,139,357	$ 3,195,866	$ 3,253,391
Additional Taxes from Rate Increase	$ 48,327	$ 54,650	$ 61,351	$ 68,450	$ 75,969	$ 83,927	$ 92,349	$ 94,599	$ 96,302	$ 98,035	$ 99,800
Net Cash Flow After Rate Increase	**116,098**	**157,271**	**306,185**	**356,427**	**277,799**	**329,829**	**367,888**	**326,949**	**276,871**	**85,798**	**26,111**
Coverage After Rate Increases	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**
Sample Residential Monthly Bill	**$ 66.51**	**$ 68.50**	**$ 70.56**	**$ 72.68**	**$ 74.86**	**$ 77.10**	**$ 79.42**	**$ 79.42**	**$ 79.42**	**$ 79.42**	**$ 79.42**
Monthly Average Increase ($)	$ 1.94	$ 2.00	$ 2.06	$ 2.12	$ 2.18	$ 2.25	$ 2.31	$ -	$ -	$ -	$ -

City of Yelm
General Sewer Plan -
Summary

Fund Balance	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
OPERATING FUND											
Beginning Balance	$ 295,274	$ 337,168	$ 348,172	$ 355,106	$ 365,729	$ 398,439	$ 410,616	$ 426,080	$ 442,723	$ 459,913	$ 500,442
plus: Net Cash Flow after Rate Increase	116,098	157,271	306,185	356,427	277,799	329,829	367,888	326,949	276,871	85,798	26,111
less: Transfer of Surplus to Capital Fund	(74,203)	(146,268)	(299,251)	(345,803)	(245,089)	(317,652)	(352,424)	(310,307)	(259,681)	(45,269)	(7,015)
Ending Balance	**$ 337,168**	**$ 348,172**	**$ 355,106**	**$ 365,729**	**$ 398,439**	**$ 410,616**	**$ 426,080**	**$ 442,723**	**$ 459,913**	**$ 500,442**	**$ 519,538**
Target Balance	*$ 337,168*	*$ 348,172*	*$ 355,106*	*$ 365,729*	*$ 398,439*	*$ 410,616*	*$ 426,080*	*$ 442,723*	*$ 459,913*	*$ 500,442*	*$ 519,538*
Days	*60*	*60*	*60*	*60*	*60*	*60*	*60*	*60*	*60*	*60*	*60*
CAPITAL FUND											
Beginning Balance	$ 1,157,847	$ 1,415,776	$ 1,749,029	$ 2,253,180	$ 2,810,637	$ 3,274,257	$ 3,817,439	$ 3,942,339	$ 4,017,682	$ 4,034,621	$ 4,334,701
plus: Rate Funded System Reinvestment	-	-	-	-	-	-	-	-	-	-	-
plus: Transfers from Operating Fund	74,203	146,268	299,251	345,803	245,089	317,652	352,424	310,307	259,681	45,269	7,015
plus: Grants/ Donations/ CIAC	-	-	-	-	-	-	-	-	-	-	-
plus: Additional Proceeds (Costs)	-	-	-	-	-	-	-	-	-	-	-
plus: System Development Charges	362,094	368,611	375,246	382,001	388,877	395,876	403,002	410,256	417,641	425,158	432,811
less: System Development Charges Towards Debt	(181,047)	(184,306)	(173,026)	(173,026)	(173,026)	(173,026)	(173,026)	(173,026)	(173,026)	(173,026)	(173,026)
plus: Net Debt Proceeds Available for Projects	-	-	-	-	-	-	-	-	-	-	-
plus: Interest Earnings	2,679	2,679	2,679	2,679	2,679	2,679	2,679	2,679	2,679	2,679	2,679
Total Funding Sources	**$ 1,415,776**	**$ 1,749,029**	**$ 2,253,180**	**$ 2,810,637**	**$ 3,274,257**	**$ 3,817,439**	**$ 4,402,518**	**$ 4,492,556**	**$ 4,524,658**	**$ 4,334,701**	**$ 4,604,181**
less: Capital Expenditures	-	-	-	-	-	-	(460,179)	(474,873)	(490,037)	-	-
Ending Working Capital Balance	**$ 1,415,776**	**$ 1,749,029**	**$ 2,253,180**	**$ 2,810,637**	**$ 3,274,257**	**$ 3,817,439**	**$ 3,942,339**	**$ 4,017,682**	**$ 4,034,621**	**$ 4,334,701**	**$ 4,604,181**
Minimum Target Balance	*$ 412,337*	*$ 412,337*	*$ 412,337*	*$ 412,337*	*$ 412,337*	*$ 412,337*	*$ 416,939*	*$ 421,688*	*$ 426,588*	*$ 426,588*	*$ 426,588*

Notes:

Additional Proceeds (Costs) Consist of the following:	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Interfund Loan Repayment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
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City of Yelm
General Sewer Plan - 1.8% Growth
Assumptions

Economic & Financial Factors	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
1 **General Cost Inflation**	2.23%	2.23%	2.23%	2.23%	2.23%	2.23%	2.23%	2.23%	2.23%	2.23%
2 **Construction Cost Inflation**	3.19%	3.19%	3.19%	3.19%	3.19%	3.19%	3.19%	3.19%	3.19%	3.19%
3 **Labor Cost Inflation**	2.25%	2.25%	2.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
4 **Medical Cost Inflation**	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
5 **General Inflation plus Composite Growth**	2.23%	4.07%	4.07%	4.07%	4.07%	4.07%	4.07%	4.07%	4.07%	4.07%
6 **[Extra]**	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
7 **Growth**	0.00%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%
8 **No Escalation**	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
9 **[Extra]**	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
10 **[Extra]**	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
11 **[Extra]**	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Investment Interest	0.20%	0.20%	0.20%	0.20%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
State Excise Tax	3.852%	3.852%	3.852%	3.852%	3.852%	3.852%	3.852%	3.852%	3.852%	3.852%
B&O Tax	1.80%	1.65%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
City Tax	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Collection	47.00%	47.00%	47.00%	47.00%	47.00%	47.00%	47.00%	47.00%	47.00%	47.00%

Accounting Assumptions	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
FISCAL POLICY RESTRICTIONS										
Min. Op. Fund Balance Target (days of O&M expense)	60	60	60	60	60	60	60	60	60	60
Max. Op. Fund Balance (days of O&M expense)	360	360	100	360	360	360	60	60	60	60
Minimum Capital Fund Balance Target										
Select Minimum Capital Fund Balance Target: 1	**Defined as % of Plant**									
1 - Defined as % of Plant	Estimated Net Assets									
Plant-in-Service in 2011	$ 38,846,194	$ 776,924								
Minimum Capital Fund Balance - % of plant assets	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
2 - Amount at Right ==>	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000
RATE FUNDED SYSTEM REINVESTMENT										
Select Reinvestment Funding Strategy: 4	**System Reinvestment is not Funded**									
Amount of Annual Cash Funding from Rates										
1 - Equal to Annual Depreciation Expense	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2 - Equal to Annual Depreciation Expense less Annual Debt Pri	(224,411)	(231,427)	(238,705)	(246,256)	(254,092)	(262,223)	(176,292)	(180,471)	(184,762)	(189,170)
3 - Equal to Amount at Right ==>	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4 - Do Not Fund System Reinvestment										

City of Yelm
General Sewer Plan - 1.8% Growth
Assumptions

Capital Financing Assumptions		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Connection Charges											
Select SDC Alternative	1										
1 - User Input (Current Charge)	$ 6,394	$ 6,394	$ 6,394	$ 6,394	$ 6,394	$ 6,394	$ 6,394	$ 6,394	$ 6,394	$ 6,394	$ 6,394
2 - Calculated Charge	-										
Total Residential Customer Equivalents (Estimate)		2,728	2,777	2,827	2,878	2,930	2,982	3,036	3,091	3,146	3,203
Additional Units Per Year		95	49	50	51	52	53	54	55	56	57
Connection Charge Revenues		**$604,721**	**$313,934**	**$319,585**	**$325,337**	**$331,194**	**$337,155**	**$343,224**	**$349,402**	**$355,691**	**$362,094**
FUNDING SOURCES											
Grants		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Additional Proceeds (Costs)											
Interfund Loan Repayment		$ 60,000	$ 101,888	$ 101,888	$ 101,888	$ 101,888	$ 101,888	$ 101,888	$ 101,888	$ 101,888	
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Total Additional Proceeds		**$ 60,000**	**$101,888**	**$101,888**	**$101,888**	**$101,888**	**$101,888**	**$101,888**	**$101,888**	**$101,888**	**$ -**
REVENUE BONDS											
Term (years)		20	20	20	20	20	20	20	20	20	20
Interest Cost		5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Issuance Cost		1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
Revenue Bond Coverage Requirement	1.50										
PWTF LOAN											
Term (years; no more than 20 years)		20	20	20	20	20	20	20	20	20	20
Interest Cost		0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
Required Local Match		15.00%	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%
GO BONDS											
Term (years)		20	20	20	20	20	20	20	20	20	20
Interest Cost		4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Issuance Cost		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

City of Yelm
General Sewer Plan - 1.8% Gr
Assumptions

	Economic & Financial Factors	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
1	**General Cost Inflation**	2.23%	2.23%	2.23%	2.23%	2.23%	2.23%	2.23%	2.23%	2.23%	2.23%
2	**Construction Cost Inflation**	3.19%	3.19%	3.19%	3.19%	3.19%	3.19%	3.19%	3.19%	3.19%	3.19%
3	**Labor Cost Inflation**	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
4	**Medical Cost Inflation**	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
5	**General Inflation plus Composite Growth**	4.07%	4.07%	4.07%	4.07%	4.07%	4.07%	4.07%	4.07%	4.07%	4.07%
6	**[Extra]**	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
7	**Growth**	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%
8	**No Escalation**	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
9	**[Extra]**	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
10	**[Extra]**	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
11	**[Extra]**	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Investment Interest	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
	State Excise Tax	3.852%	3.852%	3.852%	3.852%	3.852%	3.852%	3.852%	3.852%	3.852%	3.852%
	B&O Tax	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
	City Tax	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
	Collection	47.00%	47.00%	47.00%	47.00%	47.00%	47.00%	47.00%	47.00%	47.00%	47.00%

Accounting Assumptions	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
FISCAL POLICY RESTRICTIONS										
Min. Op. Fund Balance Target (days of O&M expense)	60	60	60	60	60	60	60	60	60	60
Max. Op. Fund Balance (days of O&M expense)	60	60	60	60	60	60	60	60	60	60
Minimum Capital Fund Balance Target										
Select Minimum Capital Fund Balance Target: 1										
1 - Defined as % of Plant — Estimated Net Plant-in-Service in 2011: $ 38,846,194										
Minimum Capital Fund Balance - % of plant assets	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
2 - Amount at Right ==>	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000
RATE FUNDED SYSTEM REINVESTMENT										
Select Reinvestment Funding Strategy: 4										
Amount of Annual Cash Funding from Rates										
1 - Equal to Annual Depreciation Expense	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2 - Equal to Annual Depreciation Expense less Annual Debt Pri	(193,698)	(100,883)	(104,188)	(107,602)	(111,127)	(114,768)	(118,528)	(122,412)	(126,423)	(130,565)
3 - Equal to Amount at Right ==>	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4 - Do Not Fund System Reinvestment										

City of Yelm
General Sewer Plan - 1.8% Gr
Assumptions

Capital Financing Assumptions		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Connection Charges											
Select SDC Alternative	1										
1 - User Input (Current Charge)	$ 6,394	$ 6,394	$ 6,394	$ 6,394	$ 6,394	$ 6,394	$ 6,394	$ 6,394	$ 6,394	$ 6,394	$ 6,394
2 - Calculated Charge	-										
Total Residential Customer Equivalents (Estimate)		3,261	3,319	3,379	3,440	3,502	3,565	3,629	3,694	3,761	3,829
Additional Units Per Year		58	59	60	61	62	63	64	65	66	68
Connection Charge Revenues		**$368,611**	**$375,246**	**$382,001**	**$388,877**	**$395,876**	**$403,002**	**$410,256**	**$417,641**	**$425,158**	**$432,811**
FUNDING SOURCES											
Grants		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Additional Proceeds (Costs)											
Interfund Loan Repayment											
[Extra line]											
[Extra line]											
[Extra line]											
[Extra line]											
Total Additional Proceeds		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
REVENUE BONDS											
Term (years)		20	20	20	20	20	20	20	20	20	20
Interest Cost		5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Issuance Cost		1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
Revenue Bond Coverage Requirement	1.50										
PWTF LOAN											
Term (years; no more than 20 years)		20	20	20	20	20	20	20	20	20	20
Interest Cost		0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
Required Local Match		15.00%	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%
GO BONDS											
Term (years)		20	20	20	20	20	20	20	20	20	20
Interest Cost		4.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Issuance Cost		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

City of Yelm
General Sewer Plan - 1.8% Growth
Operating Revenue and Expenditure Forecast

Revenues/Expenses		FORECAST BASIS	Budget 2012	Projection 2013	Projection 2014	Projection 2015	Projection 2016	Projection 2017	Projection 2018	Projection 2019	Projection 2020	Projection 2021
Rate revenues												
1 SF 1 tank, No Meter	7	Growth	$ 161,722	$ 165,339	$ 168,315	$ 171,344	$ 174,429	$ 177,568	$ 180,765	$ 184,018	$ 187,331	$ 190,703
1 SF 1 tank, With Meter	7	Growth	879,726	899,406	915,595	932,076	948,853	965,933	983,319	1,001,019	1,019,037	1,037,380
2 SF 1 tank, With Meter	7	Growth	39,898	40,790	41,524	42,271	43,032	43,807	44,595	45,398	46,215	47,047
3 SF 1 tank, With Meter	7	Growth	3,308	3,382	3,443	3,505	3,568	3,632	3,697	3,764	3,832	3,901
Fourplex, With Meter	7	Growth	5,312	5,431	5,528	5,628	5,729	5,832	5,937	6,044	6,153	6,264
Residential, greater than 4	7	Growth	82,646	84,492	86,013	87,561	89,137	90,742	92,375	94,038	95,731	97,454
Commercial-1	7	Growth	59,362	60,430	61,518	62,625	63,753	64,900	66,068	67,258	68,468	69,701
Commercial-2	7	Growth	91,076	92,716	94,385	96,084	97,813	99,574	101,366	103,191	105,048	106,939
Commercial-3	7	Growth	84,388	85,907	87,453	89,027	90,630	92,261	93,922	95,612	97,333	99,085
Total Rate Revenue			**$ 1,407,436**	**$ 1,437,892**	**$ 1,463,774**	**$ 1,490,122**	**$ 1,516,944**	**$ 1,544,249**	**$ 1,572,045**	**$ 1,600,342**	**$ 1,629,148**	**$ 1,658,473**
Non-rate revenues												
Sale of Reclaimed Water	1	General Cost Inflation	$ 21,745	$ 22,229	$ 22,724	$ 23,230	$ 23,747	$ 24,276	$ 24,817	$ 25,369	$ 25,934	$ 26,512
Sewer Permit Fees	1	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
[Extra]	1	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
[Extra]	1	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
[Extra]	8	No Escalation	-	-	-	-	-	-	-	-	-	-
[Extra]	8	No Escalation	-	-	-	-	-	-	-	-	-	-
[Extra]	8	No Escalation	-	-	-	-	-	-	-	-	-	-
[Extra]	8	No Escalation	-	-	-	-	-	-	-	-	-	-
[Extra]	8	No Escalation	-	-	-	-	-	-	-	-	-	-
[Extra]	8	No Escalation	-	-	-	-	-	-	-	-	-	-
[Extra]	8	No Escalation	-	-	-	-	-	-	-	-	-	-
[Extra]	8	No Escalation	-	-	-	-	-	-	-	-	-	-
Total Non-rate revenues			**$ 21,745**	**$ 22,229**	**$ 22,724**	**$ 23,230**	**$ 23,747**	**$ 24,276**	**$ 24,817**	**$ 25,369**	**$ 25,934**	**$ 26,512**
TOTAL REVENUES			**$ 1,429,181**	**$ 1,460,121**	**$ 1,486,498**	**$ 1,513,352**	**$ 1,540,691**	**$ 1,568,525**	**$ 1,596,862**	**$ 1,625,711**	**$ 1,655,082**	**$ 1,684,985**

Revenues/Expenses		FORECAST BASIS	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
EXCISE TAXES		Calculation	$ 39,525	$ 44,153	$ 43,272	$ 44,053	$ 44,847	$ 45,656	$ 46,479	$ 47,318	$ 48,171	$ 49,040
CITY TAXES		Calculation	56,297	57,516	58,551	59,605	60,678	61,770	62,882	64,014	65,166	66,339
Reclass & Cost Allocation												
Reallocate Custodian	3	Labor Cost Inflation	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Reallocate IT/Data Proc	3	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-
Salaries & Wages												
Salaries/Wages	3	Labor Cost Inflation	446,601	456,650	465,783	479,756	494,149	508,973	524,242	539,970	556,169	572,854
Accrued Vacation/Holiday	3	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-
Overtime	3	Labor Cost Inflation	6,000	6,135	6,258	6,445	6,639	6,838	7,043	7,254	7,472	7,696

City of Yelm
General Sewer Plan - 1.8% Growth
Operating Revenue and Expenditure Forecast

Revenues/Expenses		FORECAST BASIS	Budget 2012	Projection 2013	Projection 2014	Projection 2015	Projection 2016	Projection 2017	Projection 2018	Projection 2019	Projection 2020	Projection 2021
Personnel Benefits												
F.I.C.A.	3	Labor Cost Inflation	34,165	34,934	35,632	36,701	37,802	38,936	40,105	41,308	42,547	43,823
Retirement	3	Labor Cost Inflation	32,379	33,108	33,770	34,783	35,826	36,901	38,008	39,148	40,323	41,532
Industrial Insurance	3	Labor Cost Inflation	11,828	12,094	12,336	12,706	13,087	13,480	13,884	14,301	14,730	15,172
Unemployment Insurance	3	Labor Cost Inflation	3,573	3,653	3,726	3,838	3,953	4,072	4,194	4,320	4,450	4,583
Medical Insurance	4	Medical Cost Inflation	87,741	96,515	106,167	116,783	128,462	141,308	155,439	170,982	188,081	206,889
Uniforms	3	Labor Cost Inflation	4,862	4,971	5,071	5,223	5,380	5,541	5,707	5,878	6,055	6,236
Supplies												
Office/Operating Supplies	1	General Cost Inflation	13,065	13,356	13,653	13,957	14,268	14,586	14,911	15,243	15,582	15,929
Fuel Consumed - 1	1	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
Small Tools/Minor Equipment - 1	1	General Cost Inflation	2,500	2,556	2,613	2,671	2,730	2,791	2,853	2,917	2,982	3,048
Building Maintenance/Supplies	1	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
Operating Supplies/Lab	1	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
Fuel Consumed - 2	1	General Cost Inflation	5,570	5,694	5,821	5,950	6,083	6,218	6,357	6,498	6,643	6,791
Small Tools/Minor Equipment - 2	1	General Cost Inflation	8,795	8,991	9,191	9,396	9,605	9,819	10,037	10,261	10,489	10,723
Services												
Communications; Phone/P	1	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
Communications: Phone	1	General Cost Inflation	8,855	9,052	9,254	9,460	9,670	9,886	10,106	10,331	10,561	10,796
Communications: Postage	1	General Cost Inflation	1,300	1,329	1,359	1,389	1,420	1,451	1,484	1,517	1,550	1,585
Travel/Training	1	General Cost Inflation	5,400	5,520	5,643	5,769	5,897	6,029	6,163	6,300	6,440	6,584
Community Eduction/Adv	1	General Cost Inflation	2,950	3,016	3,083	3,151	3,222	3,293	3,367	3,442	3,518	3,597
Property/Casualty Liabi	1	General Cost Inflation	31,886	32,596	33,322	34,064	34,822	35,598	36,390	37,200	38,029	38,876
Public Utilities Servic	1	General Cost Inflation	103,857	106,170	108,533	110,950	113,421	115,946	118,528	121,167	123,865	126,623
Equipment Repairs & MTC	1	General Cost Inflation	2,000	2,045	2,090	2,137	2,184	2,233	2,283	2,333	2,385	2,438
Miscellaneous/Dues/Fees	1	General Cost Inflation	11,000	11,245	11,495	11,751	12,013	12,280	12,554	12,833	13,119	13,411
PYMTs. On latecomers Fe	1	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
Engineer/Professional S	1	General Cost Inflation	33,142	33,880	34,634	35,405	36,194	37,000	37,824	38,666	39,527	40,407
CCWF Groundwater Monito	1	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
BLDGS/Grounds/Maintenan	1	General Cost Inflation	1,000	1,022	1,045	1,068	1,092	1,116	1,141	1,167	1,193	1,219
Software Main	1	General Cost Inflation	10,000	10,223	10,450	10,683	10,921	11,164	11,413	11,667	11,926	12,192
TRMT. Plant MTCE	1	General Cost Inflation	105,000	107,338	109,728	112,171	114,669	117,222	119,832	122,500	125,228	128,016
System Testing/Outside	1	General Cost Inflation	17,111	17,492	17,881	18,280	18,687	19,103	19,528	19,963	20,407	20,862
Equi/Veh Repairs & MTC	1	General Cost Inflation	2,621	2,679	2,739	2,800	2,862	2,926	2,991	3,058	3,126	3,196
Contracted Repairs/Maintenanc	1	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
Miscellaneous Maintenan	1	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
Utility Locates	1	General Cost Inflation	100	102	105	107	109	112	114	117	119	122
Collection Repairs/Maint	1	General Cost Inflation	25,000	25,557	26,126	26,707	27,302	27,910	28,531	29,167	29,816	30,480
Reuse Facilities MTCE.	1	General Cost Inflation	4,300	4,396	4,494	4,594	4,696	4,801	4,907	5,017	5,128	5,243
Waste Activated Sludge	1	General Cost Inflation	106,986	109,368	111,803	114,293	116,838	119,439	122,099	124,817	127,597	130,438
Septage Disposal	1	General Cost Inflation	113,774	116,307	118,897	121,544	124,251	127,017	129,846	132,737	135,692	138,714
Services												
Centralia Power and Lig	1	General Cost Inflation	22,500	23,001	23,513	24,037	24,572	25,119	25,678	26,250	26,835	27,432
MBE/WBE State Certif Pr	1	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
Separate Disposal - 2	1	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
Separate Disposal - 3	1	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
Additional FTEs - (Assumes Even Spread of 3.7 FTEs based on Table 7-2)												
2016 FTE Additions - 0.95	3	Labor Cost Inflation	-	-	-	-	87,710	90,341	93,051	95,843	98,718	101,680

City of Yelm
General Sewer Plan - 1.8% Growth
Operating Revenue and Expenditure Forecast

Revenues/Expenses		FORECAST BASIS	Budget 2012	Projection 2013	Projection 2014	Projection 2015	Projection 2016	Projection 2017	Projection 2018	Projection 2019	Projection 2020	Projection 2021
2020 FTE Additions - 0.95	3	Labor Cost Inflation	-	-	-	-	-	-	-	-	98,718	101,680
2025 FTE Additions - 0.90	3	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-
2030 FTE Additions - 0.90	3	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-
Capital Outlay	1	General Cost Inflation	16,520	43,712	55,136	49,954	55,980	57,785	144,940	140,000	151,466	54,864
Add'l O&M from CIP		*From CIP*	-	-	-	-	-	-	-	-	-	-
Total Cash O&M Expenditures			**$ 1,378,203**	**$ 1,446,374**	**$ 1,493,173**	**$ 1,532,181**	**$ 1,672,040**	**$ 1,724,659**	**$ 1,864,910**	**$ 1,915,502**	**$ 2,083,823**	**$ 2,051,107**
Depreciation Expense in	2011	$ -	$ -									
Depreciation Expense		*ear's plus annual additions from CIP*	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
		debt principal payments	$ (224,411)	$ (231,427)	$ (238,705)	$ (246,256)	$ (254,092)	$ (262,223)	$ (176,292)	$ (180,471)	$ (184,762)	$ (189,170)
		System Reinvestment Funding	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TOTAL EXPENSES			**$ 1,378,203**	**$ 1,446,374**	**$ 1,493,173**	**$ 1,532,181**	**$ 1,672,040**	**$ 1,724,659**	**$ 1,864,910**	**$ 1,915,502**	**$ 2,083,823**	**$ 2,051,107**

City of Yelm
General Sewer Plan - 1.8% Grow
Operating Revenue and Expenditure Fore

Revenues/Expenses		FORECAST BASIS	Projection 2022	Projection 2023	Projection 2024	Projection 2025	Projection 2026	Projection 2027	Projection 2028	Projection 2029	Projection 2030	Projection 2031
Rate revenues												
1 SF 1 tank, No Meter	7	Growth	$ 194,135	$ 197,630	$ 201,187	$ 204,808	$ 208,495	$ 212,248	$ 216,068	$ 219,958	$ 223,917	$ 227,947
1 SF 1 tank, With Meter	7	Growth	1,056,053	1,075,062	1,094,413	1,114,112	1,134,166	1,154,581	1,175,364	1,196,520	1,218,058	1,239,983
2 SF 1 tank, With Meter	7	Growth	47,894	48,756	49,634	50,527	51,437	52,363	53,305	54,265	55,241	56,236
3 SF 1 tank, With Meter	7	Growth	3,971	4,042	4,115	4,189	4,265	4,341	4,419	4,499	4,580	4,662
Fourplex, With Meter	7	Growth	6,376	6,491	6,608	6,727	6,848	6,971	7,097	7,224	7,355	7,487
Residential, greater than 4	7	Growth	99,208	100,994	102,812	104,662	106,546	108,464	110,416	112,404	114,427	116,487
Commercial-1	7	Growth	70,955	72,233	73,533	74,856	76,204	77,575	78,972	80,393	81,840	83,313
Commercial-2	7	Growth	108,864	110,823	112,818	114,849	116,916	119,021	121,163	123,344	125,564	127,824
Commercial-3	7	Growth	100,869	102,685	104,533	106,414	108,330	110,280	112,265	114,286	116,343	118,437
Total Rate Revenue			**$ 1,688,325**	**$ 1,718,715**	**$ 1,749,652**	**$ 1,781,146**	**$ 1,813,207**	**$ 1,845,844**	**$ 1,879,069**	**$ 1,912,893**	**$ 1,947,325**	**$ 1,982,377**
Non-rate revenues												
Sale of Reclaimed Water	1	General Cost Inflation	$ 27,102	$ 27,705	$ 28,322	$ 28,953	$ 29,598	$ 30,257	$ 30,930	$ 31,619	$ 32,323	$ 33,043
Sewer Permit Fees	1	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
[Extra]	1	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
[Extra]	1	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
[Extra]	8	No Escalation	-	-	-	-	-	-	-	-	-	-
[Extra]	8	No Escalation	-	-	-	-	-	-	-	-	-	-
[Extra]	8	No Escalation	-	-	-	-	-	-	-	-	-	-
[Extra]	8	No Escalation	-	-	-	-	-	-	-	-	-	-
[Extra]	8	No Escalation	-	-	-	-	-	-	-	-	-	-
[Extra]	8	No Escalation	-	-	-	-	-	-	-	-	-	-
[Extra]	8	No Escalation	-	-	-	-	-	-	-	-	-	-
[Extra]	8	No Escalation	-	-	-	-	-	-	-	-	-	-
Total Non-rate revenues			**$ 27,102**	**$ 27,705**	**$ 28,322**	**$ 28,953**	**$ 29,598**	**$ 30,257**	**$ 30,930**	**$ 31,619**	**$ 32,323**	**$ 33,043**
TOTAL REVENUES			**$ 1,715,427**	**$ 1,746,421**	**$ 1,777,974**	**$ 1,810,099**	**$ 1,842,804**	**$ 1,876,101**	**$ 1,910,000**	**$ 1,944,512**	**$ 1,979,648**	**$ 2,015,419**

Revenues/Expenses		FORECAST BASIS	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
EXCISE TAXES		Calculation	$ 49,924	$ 50,824	$ 51,741	$ 52,674	$ 53,624	$ 54,591	$ 55,576	$ 56,578	$ 57,599	$ 58,637
CITY TAXES		Calculation	67,533	68,749	69,986	71,246	72,528	73,834	75,163	76,516	77,893	79,295
Reclass & Cost Allocation												
Reallocate Custodian	3	Labor Cost Inflation	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Reallocate IT/Data Proc	3	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-
Salaries & Wages												
Salaries/Wages	3	Labor Cost Inflation	590,039	607,741	625,973	644,752	664,094	684,017	704,538	725,674	747,444	769,868
Accrued Vacation/Holiday	3	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-
Overtime	3	Labor Cost Inflation	7,927	8,165	8,410	8,662	8,922	9,190	9,465	9,749	10,042	10,343

City of Yelm
General Sewer Plan - 1.8% Grow
Operating Revenue and Expenditure Fore

Revenues/Expenses		FORECAST BASIS	Projection 2022	Projection 2023	Projection 2024	Projection 2025	Projection 2026	Projection 2027	Projection 2028	Projection 2029	Projection 2030	Projection 2031
Personnel Benefits												
F.I.C.A.	3	Labor Cost Inflation	45,138	46,492	47,887	49,324	50,803	52,327	53,897	55,514	57,180	58,895
Retirement	3	Labor Cost Inflation	42,778	44,062	45,384	46,745	48,147	49,592	51,080	52,612	54,190	55,816
Industrial Insurance	3	Labor Cost Inflation	15,627	16,096	16,579	17,076	17,588	18,116	18,659	19,219	19,796	20,390
Unemployment Insurance	3	Labor Cost Inflation	4,721	4,862	5,008	5,158	5,313	5,472	5,637	5,806	5,980	6,159
Medical Insurance	4	Medical Cost Inflation	227,578	250,335	275,369	302,906	333,196	366,516	403,168	443,484	487,833	536,616
Uniforms	3	Labor Cost Inflation	6,424	6,616	6,815	7,019	7,230	7,447	7,670	7,900	8,137	8,381
Supplies												
Office/Operating Supplies	1	General Cost Inflation	16,284	16,646	17,017	17,396	17,783	18,179	18,584	18,998	19,421	19,853
Fuel Consumed - 1	1	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
Small Tools/Minor Equipment - 1	1	General Cost Inflation	3,116	3,185	3,256	3,329	3,403	3,479	3,556	3,635	3,716	3,799
Building Maintenance/Supplies	1	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
Operating Supplies/Lab	1	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
Fuel Consumed - 2	1	General Cost Inflation	6,942	7,097	7,255	7,416	7,581	7,750	7,923	8,099	8,280	8,464
Small Tools/Minor Equipment - 2	1	General Cost Inflation	10,962	11,206	11,455	11,710	11,971	12,238	12,510	12,789	13,073	13,364
Services												
Communications; Phone/P	1	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
Communications: Phone	1	General Cost Inflation	11,036	11,282	11,533	11,790	12,053	12,321	12,595	12,876	13,163	13,456
Communications: Postage	1	General Cost Inflation	1,620	1,656	1,693	1,731	1,769	1,809	1,849	1,890	1,932	1,975
Travel/Training	1	General Cost Inflation	6,730	6,880	7,033	7,190	7,350	7,514	7,681	7,852	8,027	8,206
Community Eduction/Adv	1	General Cost Inflation	3,677	3,759	3,842	3,928	4,015	4,105	4,196	4,290	4,385	4,483
Property/Casualty Liabi	1	General Cost Inflation	39,741	40,626	41,531	42,455	43,401	44,367	45,355	46,365	47,397	48,452
Public Utilities Servic	1	General Cost Inflation	129,442	132,324	135,271	138,283	141,362	144,509	147,727	151,016	154,379	157,816
Equipment Repairs & MTC	1	General Cost Inflation	2,493	2,548	2,605	2,663	2,722	2,783	2,845	2,908	2,973	3,039
Miscellaneous/Dues/Fees	1	General Cost Inflation	13,710	14,015	14,327	14,646	14,972	15,306	15,646	15,995	16,351	16,715
PYMTs. On latecomers Fe	1	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
Engineer/Professional S	1	General Cost Inflation	41,307	42,226	43,166	44,128	45,110	46,115	47,141	48,191	49,264	50,361
CCWF Groundwater Monito	1	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
BLDGS/Grounds/Maintenan	1	General Cost Inflation	1,246	1,274	1,302	1,331	1,361	1,391	1,422	1,454	1,486	1,520
Software Main	1	General Cost Inflation	12,464	12,741	13,025	13,315	13,611	13,914	14,224	14,541	14,865	15,196
TRMT. Plant MTCE	1	General Cost Inflation	130,867	133,781	136,759	139,805	142,917	146,100	149,353	152,678	156,078	159,553
System Testing/Outside	1	General Cost Inflation	21,326	21,801	22,287	22,783	23,290	23,809	24,339	24,881	25,435	26,001
Equi/Veh Repairs & MTC	1	General Cost Inflation	3,267	3,339	3,414	3,490	3,567	3,647	3,728	3,811	3,896	3,983
Contracted Repairs/Maintenanc	1	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
Miscellaneous Maintenan	1	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
Utility Locates	1	General Cost Inflation	125	127	130	133	136	139	142	145	149	152
Collection Repairs/Maint	1	General Cost Inflation	31,159	31,853	32,562	33,287	34,028	34,786	35,560	36,352	37,161	37,989
Reuse Facilities MTCE.	1	General Cost Inflation	5,359	5,479	5,601	5,725	5,853	5,983	6,116	6,253	6,392	6,534
Waste Activated Sludge	1	General Cost Inflation	133,342	136,311	139,346	142,449	145,621	148,863	152,178	155,566	159,030	162,571
Septage Disposal	1	General Cost Inflation	141,802	144,960	148,187	151,487	154,860	158,308	161,833	165,436	169,120	172,886
Services												
Centralia Power and Lig	1	General Cost Inflation	28,043	28,667	29,306	29,958	30,625	31,307	32,004	32,717	33,445	34,190
MBE/WBE State Certif Pr	1	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
Separate Disposal - 2	1	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
Separate Disposal - 3	1	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
Additional FTEs - (Assumes Even Spread of 3.7 FTEs based on Table 7-												
2016 FTE Additions - 0.95	3	Labor Cost Inflation	104,730	107,872	111,108	114,441	117,875	121,411	125,053	128,805	132,669	136,649

City of Yelm
General Sewer Plan - 1.8% Grow
Operating Revenue and Expenditure Fore

Revenues/Expenses		FORECAST BASIS	Projection 2022	Projection 2023	Projection 2024	Projection 2025	Projection 2026	Projection 2027	Projection 2028	Projection 2029	Projection 2030	Projection 2031
2020 FTE Additions - 0.95	3	Labor Cost Inflation	104,730	107,872	111,108	114,441	117,875	121,411	125,053	128,805	132,669	136,649
2025 FTE Additions - 0.90	3	Labor Cost Inflation	-	-	-	111,671	115,021	118,471	122,025	125,686	129,457	133,341
2030 FTE Additions - 0.90	3	Labor Cost Inflation	-	-	-	-	-	-	-	-	129,457	133,341
Capital Outlay	1	General Cost Inflation	54,839	26,756	17,583	27,295	16,333	20,871	27,737	32,717	44,594	45,587
Add'l O&M from CIP		*From CIP*	-	-	-	-	-	-	-	-	-	-
Total Cash O&M Expenditures			**$ 2,118,047**	**$ 2,160,226**	**$ 2,224,854**	**$ 2,423,837**	**$ 2,497,913**	**$ 2,591,987**	**$ 2,693,230**	**$ 2,797,803**	**$ 3,044,355**	**$ 3,160,523**
Depreciation Expense in	2011	$ -										
Depreciation Expense		*ear's plus annual additions from CIP*	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
		debt principal payments	$ (193,698)	$ (100,883)	$ (104,188)	$ (107,602)	$ (111,127)	$ (114,768)	$ (118,528)	$ (122,412)	$ (126,423)	$ (130,565)
		System Reinvestment Funding	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TOTAL EXPENSES			**$ 2,118,047**	**$ 2,160,226**	**$ 2,224,854**	**$ 2,423,837**	**$ 2,497,913**	**$ 2,591,987**	**$ 2,693,230**	**$ 2,797,803**	**$ 3,044,355**	**$ 3,160,523**

City of Yelm
General Sewer Plan - 1.8% Growth
Existing Debt Input

Existing Debt Service - Other Loans	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
1998 DOE Loan Reuse Design L9600006										
Annual Interest Payment	$ 22,256	$ 18,807	$ 15,191	$ 11,399	$ 7,422	$ 3,253	$ -	$ -	$ -	$ -
Annual Principal Payment	70,999	74,448	78,064	81,857	85,833	90,002	-	-	-	-
Total Annual Payment	$ 93,255	$ 93,255	$ 93,255	$ 93,255	$ 93,255	$ 93,255	$ -	$ -	$ -	$ -
DOE Refiancing Loan L0300031										
Annual Interest Payment	$ 14,451	$ 13,203	$ 11,936	$ 10,650	$ 9,344	$ 8,018	$ 6,673	$ 5,307	$ 3,921	$ 2,514
Annual Principal Payment	82,649	83,897	85,165	86,451	87,757	89,082	90,428	91,793	93,180	94,587
Total Annual Payment	$ 97,101	$ 97,101	$ 97,101	$ 97,101	$ 97,101	$ 97,101	$ 97,101	$ 97,101	$ 97,101	$ 97,101
USDA Loan										
Annual Interest Payment	$ 102,263	$ 99,945	$ 97,550	$ 95,077	$ 92,524	$ 89,886	$ 87,162	$ 84,349	$ 81,443	$ 78,443
Annual Principal Payment	70,763	73,081	75,476	77,949	80,502	83,139	85,864	88,677	91,583	94,583
Total Annual Payment	$ 173,026	$ 173,026	$ 173,026	$ 173,026	$ 173,026	$ 173,025	$ 173,026	$ 173,026	$ 173,026	$ 173,026
TOTAL OTHER LOANS										
Annual Interest Payment	$ 138,970	$ 131,955	$ 124,677	$ 117,126	$ 109,290	$ 101,157	$ 93,835	$ 89,656	$ 85,364	$ 80,956
Annual Principal Payment	224,411	231,427	238,705	246,256	254,092	262,223	176,292	180,471	184,762	189,170
Total Annual Payment	$ 363,382	$ 363,382	$ 363,382	$ 363,382	$ 363,382	$ 363,380	$ 270,127	$ 270,127	$ 270,127	$ 270,126

City of Yelm
General Sewer Plan -
Existing Debt Input

Existing Debt Service - Other Loans	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
1998 DOE Loan Reuse Design L9600006										
Annual Interest Payment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Annual Principal Payment	-	-	-	-	-	-	-	-	-	-
Total Annual Payment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
DOE Refiancing Loan L0300031										
Annual Interest Payment	$ 1,085	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Annual Principal Payment	96,015	-	-	-	-	-	-	-	-	-
Total Annual Payment	$ 97,100	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
USDA Loan										
Annual Interest Payment	$ 75,344	$ 72,143	$ 68,838	$ 65,424	$ 61,899	$ 58,258	$ 54,498	$ 50,614	$ 46,603	$ 42,461
Annual Principal Payment	97,682	100,883	104,188	107,602	111,127	114,768	118,528	122,412	126,423	130,565
Total Annual Payment	$ 173,026	$ 173,026	$ 173,026	$ 173,026	$ 173,026	$ 173,026	$ 173,026	$ 173,026	$ 173,026	$ 173,026
TOTAL OTHER LOANS										
Annual Interest Payment	$ 76,429	$ 72,143	$ 68,838	$ 65,424	$ 61,899	$ 58,258	$ 54,498	$ 50,614	$ 46,603	$ 42,461
Annual Principal Payment	193,698	100,883	104,188	107,602	111,127	114,768	118,528	122,412	126,423	130,565
Total Annual Payment	$ 270,126	$ 173,026	$ 173,026	$ 173,026	$ 173,026	$ 173,026	$ 173,026	$ 173,026	$ 173,026	$ 173,026

City of Yelm
General Sewer Plan - 1.8% Growth
Capital Improvement Program

No	Description	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
1	**CIP Projects**											
2	Collection System Upgrades						162,740	$162,740	$162,740			
3	Short Term Improvements		300,000									
4	Facilities Plan	50,000	350,000									
5	SBR Handrails		51,620									
6	Expand Cochrane Park RIBs			661,000								
7	GSP	221,000										
8	Sewer Capacity Work	70,000										
9	**O&M Projects Funded Through Reserves (for modeling moved to CIP)**											
10	Replace ARVs	12,250										
11												
12	Replace Influent Flow Meter	8,000										
13	PAX System Relocation	8,600										
14												
	Total Capital Projects	**$369,850**	**$701,620**	**$661,000**	**$ -**	**$ -**	**$162,740**	**$162,740**	**$162,740**	**$ -**	**$ -**	**$ -**
	Total Upgrade/Expansion Projects	50,000	500,000	661,000	-	-	162,740	162,740	162,740	-	-	-
	Total R&R Projects	319,850	201,620	-	-	-	-	-	-	-	-	-
	Projects by Grants / Developer Donations											
	Projects by Enterprise Fund											

City of Yelm
General Sewer Plan - 1.8%
Capital Improvement Program

No	Description	2023	2024	2025	2026	2027	2028	2029	2030	2031
1	**CIP Projects**									
2	Collection System Upgrades					287,182	287,182	287,182		
3	Short Term Improvements									
4	Facilities Plan									
5	SBR Handrails									
6	Expand Cochrane Park RIBs									
7	GSP									
8	Sewer Capacity Work									
9	**O&M Projects Funded Through Reserves (for modeling move**									
10	Replace ARVs									
11										
12	Replace Influent Flow Meter									
13	PAX System Relocation									
14										
	Total Capital Projects	**$ -**	**$ -**	**$ -**	**$ -**	**$287,182**	**$287,182**	**$287,182**	**$ -**	**$ -**
	Total Upgrade/Expansion Projects	-	-	-	-	287,182	287,182	287,182	-	-
	Total R&R Projects	-	-	-	-	-	-	-	-	-
	Projects by Grants / Developer Donations									
	Projects by Enterprise Fund									

City of Yelm
General Sewer Plan - 1.8% Growth
Revenue Requirements Analysis

Cash Flow Sufficiency Test	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
EXPENSES										
Cash Operating Expenses	$1,378,203	$1,446,374	$1,493,173	$1,532,181	$1,672,040	$1,724,659	$1,864,910	$1,915,502	$2,083,823	$2,051,107
Existing Debt Service	363,382	363,382	363,382	363,382	363,382	363,380	270,127	270,127	270,127	270,126
New Debt Service	-	-	-	-	-	-	-	-	-	-
Rate Funded System Reinvestment	-	-	-	-	-	-	-	-	-	-
Total Expenses	$1,741,585	$1,809,756	$1,856,555	$1,895,563	$2,035,422	$2,088,040	$2,135,037	$2,185,629	$2,353,949	$2,321,234
REVENUES										
Rate Revenue	$1,407,436	$1,437,892	$1,463,774	$1,490,122	$1,516,944	$1,544,249	$1,572,045	$1,600,342	$1,629,148	$1,658,473
Other Non Rate Revenue	-	-	-	-	-	-	-	-	-	-
Sale of Reclaimed Water	21,745	22,229	22,724	23,230	23,747	24,276	24,817	25,369	25,934	26,512
SDC Revenue Towards Debt	157,227	156,967	159,792	162,669	165,597	168,578	171,612	174,701	177,846	181,047
Operating Fund & Debt Reserve Fund Interest Earnings	1,400	2,732	2,483	1,890	4,573	4,221	4,040	4,072	4,254	4,156
Total Revenue	$1,587,808	$1,619,819	$1,648,773	$1,677,910	$1,710,861	$1,741,323	$1,772,513	$1,804,484	$1,837,182	$1,870,187
NET CASH FLOW (DEFICIENCY)	**$ (153,776)**	**$ (189,937)**	**$ (207,782)**	**$ (217,653)**	**$ (324,561)**	**$ (346,717)**	**$ (362,523)**	**$ (381,144)**	**$ (516,767)**	**$ (451,047)**
% of Rate Revenue	10.93%	13.21%	14.19%	14.61%	21.40%	22.45%	23.06%	23.82%	31.72%	27.20%

Coverage Sufficiency Test	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
EXPENSES										
Total Cash Operating Expenses (less Capital Outlay)	$1,361,683	$1,402,662	$1,438,038	$1,482,228	$1,616,060	$1,666,875	$1,719,970	$1,775,502	$1,932,356	$1,996,243
Revenue Bond Debt Service	-	-	-	-	-	-	-	-	-	-
Revenue Bond Coverage Requirement at 1.5	-	-	-	-	-	-	-	-	-	-
Total Expenses	$1,361,683	$1,402,662	$1,438,038	$1,482,228	$1,616,060	$1,666,875	$1,719,970	$1,775,502	$1,932,356	$1,996,243
ALLOWABLE REVENUES										
Rate Revenue	$1,407,436	$1,437,892	$1,463,774	$1,490,122	$1,516,944	$1,544,249	$1,572,045	$1,600,342	$1,629,148	$1,658,473
Other Revenue	-	-	-	-	-	-	-	-	-	-
Sale of Reclaimed Water	21,745	22,229	22,724	23,230	23,747	24,276	24,817	25,369	25,934	26,512
SDC Revenue	604,721	313,934	319,585	325,337	331,194	337,155	343,224	349,402	355,691	362,094
Interest Earnings - All Funds	2,400	5,346	4,173	3,126	8,991	9,999	6,719	6,752	6,933	6,835
Total Revenue	$2,036,302	$1,779,401	$1,810,255	$1,841,815	$1,880,876	$1,915,679	$1,946,805	$1,981,865	$2,017,707	$2,053,913
Coverage Realized	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
COVERAGE SURPLUS (DEFICIENCY)	**$ 674,619**	**$ 376,739**	**$ 372,218**	**$ 359,587**	**$ 264,816**	**$ 248,804**	**$ 226,835**	**$ 206,363**	**$ 85,350**	**$ 57,670**

City of Yelm
General Sewer Plan - 1.8% Growth
Revenue Requirements Analysis

Maximum Revenue Deficiency	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Sufficiency Test Driving the Deficiency	*Cash*	*Cash*	*Cash*	*Cash*	*Cash*	*Cash*	*Cash*	*Cash*	*Cash*	*Cash*
Maximum Deficiency From Tests	$ 153,776	$ 189,937	$ 207,782	$ 217,653	$ 324,561	$ 346,717	$ 362,523	$ 381,144	$ 516,767	$ 451,047
less: Net Revenue From Prior Rate Increases	-	-	(72,837)	(132,039)	(195,706)	(264,117)	(320,396)	(380,188)	(443,679)	(511,063)
Revenue Deficiency	$ 153,776	$ 189,937	$ 134,944	$ 85,614	$ 128,855	$ 82,599	$ 42,127	$ 956	$ 73,088	$ -
Plus: Adjustment for State Excise Tax	13,103	16,185	11,499	7,295	10,980	7,038	3,590	81	6,228	-
Total Revenue Deficiency	**$ 166,879**	**$ 206,121**	**$ 146,443**	**$ 92,909**	**$ 139,835**	**$ 89,638**	**$ 45,717**	**$ 1,037**	**$ 79,316**	**$ -**

Rate Increases	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Rate Revenue with no Increase	$1,407,436	$1,437,892	$1,463,774	$1,490,122	$1,516,944	$1,544,249	$1,572,045	$1,600,342	$1,629,148	$1,658,473
Revenues from Prior Rate Increases	-	-	79,044	143,290	212,382	286,623	347,697	412,584	481,486	554,611
Rate Revenue Before Rate Increase (Incl. previous increases)	1,407,436	1,437,892	1,542,818	1,633,412	1,729,326	1,830,872	1,919,742	2,012,926	2,110,634	2,213,084
Required Annual Rate Increase	11.86%	14.33%	9.49%	5.69%	8.09%	4.90%	2.38%	0.05%	3.76%	0.00%
Number of Months New Rates Will Be In Effect	12	11	11	11	11	11	11	11	11	11
Info: Percentage Increase to Generate Required Revenue	*11.86%*	*15.64%*	*10.35%*	*6.21%*	*8.82%*	*5.34%*	*2.60%*	*0.06%*	*4.10%*	*0.00%*
Policy Induced Rate Increases	0.00%	5.40%	4.00%	4.00%	4.00%	3.00%	3.00%	3.00%	3.00%	3.00%
ANNUAL RATE INCREASE	**0.00%**	**5.40%**	**4.00%**	**4.00%**	**4.00%**	**3.00%**	**3.00%**	**3.00%**	**3.00%**	**3.00%**
CUMULATIVE RATE INCREASE	**0.00%**	**5.40%**	**9.62%**	**14.00%**	**18.56%**	**22.12%**	**25.78%**	**29.55%**	**33.44%**	**37.44%**

Impacts of Rate Increases	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Rate Revenues After Rate Increase	$1,407,436	$1,509,067	$1,599,387	$1,693,304	$1,792,734	$1,881,221	$1,972,535	$2,068,282	$2,168,676	$2,273,944
Full Year Rate Revenues After Rate Increase	*1,407,436*	*1,515,538*	*1,604,530*	*1,698,748*	*1,798,499*	*1,885,798*	*1,977,334*	*2,073,314*	*2,173,953*	*2,279,477*
Additional State Taxes Due to Rate Increases	-	5,589	10,648	15,954	21,655	26,459	31,446	36,743	42,364	48,327
Net Cash Flow After Rate Increase	(153,776)	(124,350)	(82,816)	(30,425)	(70,426)	(36,204)	6,520	50,053	(19,603)	116,098
Coverage After Rate Increase	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

City of Yelm
General Sewer Plan - 1.8
Revenue Requirements Analysis

Cash Flow Sufficiency Test	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
EXPENSES										
Cash Operating Expenses	$ 2,118,047	$ 2,160,226	$ 2,224,854	$ 2,423,837	$ 2,497,913	$ 2,591,987	$ 2,693,230	$ 2,797,803	$ 3,044,355	$ 3,160,523
Existing Debt Service	270,126	173,026	173,026	173,026	173,026	173,026	173,026	173,026	173,026	173,026
New Debt Service	-	-	-	-	-	-	-	-	-	-
Rate Funded System Reinvestment	-	-	-	-	-	-	-	-	-	-
Total Expenses	$ 2,388,173	$ 2,333,252	$ 2,397,880	$ 2,596,863	$ 2,670,939	$ 2,765,013	$ 2,866,256	$ 2,970,829	$ 3,217,381	$ 3,333,549
REVENUES										
Rate Revenue	$ 1,688,325	$ 1,718,715	$ 1,749,652	$ 1,781,146	$ 1,813,207	$ 1,845,844	$ 1,879,069	$ 1,912,893	$ 1,947,325	$ 1,982,377
Other Non Rate Revenue	-	-	-	-	-	-	-	-	-	-
Sale of Reclaimed Water	27,102	27,705	28,322	28,953	29,598	30,257	30,930	31,619	32,323	33,043
SDC Revenue Towards Debt	184,306	173,026	173,026	173,026	173,026	173,026	173,026	173,026	173,026	173,026
Operating Fund & Debt Reserve Fund Interest Earnings	4,365	-	-	-	-	-	-	-	-	-
Total Revenue	$ 1,904,098	$ 1,919,447	$ 1,951,000	$ 1,983,125	$ 2,015,830	$ 2,049,127	$ 2,083,026	$ 2,117,538	$ 2,152,674	$ 2,188,445
NET CASH FLOW (DEFICIENCY)	**$ (484,075)**	**$ (413,805)**	**$ (446,879)**	**$ (613,739)**	**$ (655,109)**	**$ (715,886)**	**$ (783,230)**	**$ (853,291)**	**$(1,064,707)**	**$(1,145,104)**
% of Rate Revenue	28.67%	24.08%	25.54%	34.46%	36.13%	38.78%	41.68%	44.61%	54.68%	57.76%

Coverage Sufficiency Test	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
EXPENSES										
Total Cash Operating Expenses (less Capital Outlay)	$ 2,063,207	$ 2,133,470	$ 2,207,270	$ 2,396,542	$ 2,481,580	$ 2,571,115	$ 2,665,493	$ 2,765,086	$ 2,999,762	$ 3,114,936
Revenue Bond Debt Service	-	-	-	-	-	-	-	-	-	-
Revenue Bond Coverage Requirement at 1.5	-	-	-	-	-	-	-	-	-	-
Total Expenses	$ 2,063,207	$ 2,133,470	$ 2,207,270	$ 2,396,542	$ 2,481,580	$ 2,571,115	$ 2,665,493	$ 2,765,086	$ 2,999,762	$ 3,114,936
ALLOWABLE REVENUES										
Rate Revenue	$ 1,688,325	$ 1,718,715	$ 1,749,652	$ 1,781,146	$ 1,813,207	$ 1,845,844	$ 1,879,069	$ 1,912,893	$ 1,947,325	$ 1,982,377
Other Revenue	-	-	-	-	-	-	-	-	-	-
Sale of Reclaimed Water	27,102	27,705	28,322	28,953	29,598	30,257	30,930	31,619	32,323	33,043
SDC Revenue	368,611	375,246	382,001	388,877	395,876	403,002	410,256	417,641	425,158	432,811
Interest Earnings - All Funds	7,045	2,679	2,679	2,679	2,679	2,679	2,679	2,679	2,679	2,679
Total Revenue	$ 2,091,083	$ 2,124,346	$ 2,162,654	$ 2,201,655	$ 2,241,360	$ 2,281,782	$ 2,322,935	$ 2,364,832	$ 2,407,486	$ 2,450,910
Coverage Realized	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
COVERAGE SURPLUS (DEFICIENCY)	**$ 27,876**	**$ (9,123)**	**$ (44,616)**	**$ (194,887)**	**$ (240,220)**	**$ (289,333)**	**$ (342,557)**	**$ (400,254)**	**$ (592,276)**	**$ (664,026)**

City of Yelm
General Sewer Plan - 1.8
Revenue Requirements Analysis

Maximum Revenue Deficiency	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Sufficiency Test Driving the Deficiency	*Cash*	*Cash*	*Cash*	*Cash*	*Cash*	*Cash*	*Cash*	*Cash*	*Cash*	*Cash*
Maximum Deficiency From Tests	$ 484,075	$ 413,805	$ 446,879	$ 613,739	$ 655,109	$ 715,886	$ 783,230	$ 853,291	$ 1,064,707	$ 1,145,104
less: Net Revenue From Prior Rate Increases	(582,543)	(658,332)	(738,656)	(823,749)	(913,859)	(1,009,245)	(1,110,179)	(1,130,162)	(1,150,505)	(1,171,214)
Revenue Deficiency	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Plus: Adjustment for State Excise Tax	-	-	-	-	-	-	-	-	-	-
Total Revenue Deficiency	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Rate Increases	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Rate Revenue with no Increase	$ 1,688,325	$ 1,718,715	$ 1,749,652	$ 1,781,146	$ 1,813,207	$ 1,845,844	$ 1,879,069	$ 1,912,893	$ 1,947,325	$ 1,982,377
Revenues from Prior Rate Increases	632,182	714,429	801,597	893,941	991,729	1,095,243	1,204,778	1,226,464	1,248,541	1,271,014
Rate Revenue Before Rate Increase (Incl. previous increases)	2,320,507	2,433,145	2,551,249	2,675,087	2,804,936	2,941,087	3,083,848	3,139,357	3,195,866	3,253,391
Required Annual Rate Increase	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Number of Months New Rates Will Be In Effect	11	11	11	11	11	11	11	11	11	11
Info: Percentage Increase to Generate Required Revenue	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*	*0.00%*
Policy Induced Rate Increases	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	0.00%	0.00%	0.00%	0.00%
ANNUAL RATE INCREASE	**3.00%**	**3.00%**	**3.00%**	**3.00%**	**3.00%**	**3.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**
CUMULATIVE RATE INCREASE	**41.57%**	**45.81%**	**50.19%**	**54.69%**	**59.34%**	**64.12%**	**64.12%**	**64.12%**	**64.12%**	**64.12%**

Impacts of Rate Increases	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Rate Revenues After Rate Increase	$ 2,384,321	$ 2,500,056	$ 2,621,409	$ 2,748,652	$ 2,882,072	$ 3,021,967	$ 3,083,848	$ 3,139,357	$ 3,195,866	$ 3,253,391
Full Year Rate Revenues After Rate Increase	*2,390,122*	*2,506,139*	*2,627,787*	*2,755,340*	*2,889,084*	*3,029,320*	*3,083,848*	*3,139,357*	*3,195,866*	*3,253,391*
Additional State Taxes Due to Rate Increases	54,650	61,351	68,450	75,969	83,927	92,349	94,599	96,302	98,035	99,800
Net Cash Flow After Rate Increase	157,271	306,185	356,427	277,799	329,829	367,888	326,949	276,871	85,798	26,111
Coverage After Rate Increase	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

City of Yelm
General Sewer Plan - 1.8% Growth
Fund Activity

Funds	2012	2013	2014	2015	2016	2017	2018
OPERATING FUND							
Beginning Balance	$ 983,664	$ 829,888	$ 705,538	$ 409,089	$ 378,664	$ 308,239	$ 272,035
plus: Net Cash Flow after Rate Increase	(153,776)	(124,350)	(82,816)	(30,425)	(70,426)	(36,204)	6,520
less: Transfer of Surplus to Capital Fund	-	-	(213,633)	-	-	-	-
Ending Balance	**$ 829,888**	**$ 705,538**	**$ 409,089**	**$ 378,664**	**$ 308,239**	**$ 272,035**	**$ 278,555**
Minimum Target Balance	*$ 226,554*	*$ 237,760*	*$ 245,453*	*$ 251,865*	*$ 274,856*	*$ 283,506*	*$ 306,561*
Maximum Funds to be Kept as Operating Reserves	*$ 1,359,324*	*$ 1,426,561*	*$ 409,089*	*$ 1,511,193*	*$ 1,649,135*	*$ 1,701,034*	*$ 306,561*
Info: No of Days of Cash Operating Expenses	*220*	*178*	*100*	*90*	*67*	*58*	*55*
CAPITAL FUND							
Beginning Balance	$ 632,858	$ 771,501	$ 308,947	$ 82,062	$ 347,854	$ 619,758	$ 705,565
plus: Rate Funded System Reinvestment	-	-	-	-	-	-	-
plus: Transfers from Operating Fund	-	-	213,633	-	-	-	-
plus: Grants/ Donations/ CIAC	-	-	-	-	-	-	-
plus: Additional Proceeds (Costs)	60,000	101,888	101,888	101,888	101,888	101,888	101,888
plus: System Development Charges	604,721	313,934	319,585	325,337	331,194	337,155	343,224
less: System Development Charges Towards Debt	(157,227)	(156,967)	(159,792)	(162,669)	(165,597)	(168,578)	(171,612)
plus: Revenue Bond Proceeds	-	-	-	-	-	-	-
plus: PWTF Loans	-	-	-	-	-	-	-
plus: Other Low Interest Loan Proceeds	-	-	-	-	-	-	-
plus: Interest Earnings	1,000	2,615	1,690	1,236	4,419	5,778	2,679
Total Funding Sources	**$ 1,141,351**	**$ 1,032,971**	**$ 785,950**	**$ 347,854**	**$ 619,758**	**$ 896,002**	**$ 981,745**
less: Capital Expenditures	(369,850)	(724,025)	(703,889)	-	-	(190,437)	(196,518)
Ending Capital Fund Balance	**$ 771,501**	**$ 308,947**	**$ 82,062**	**$ 347,854**	**$ 619,758**	**$ 705,565**	**$ 785,227**
Minimum Target Balance	*$ 392,160*	*$ 399,401*	*$ 406,440*	*$ 406,440*	*$ 406,440*	*$ 408,344*	*$ 410,309*
	424	256	120	173	203	207	208
DEBT RESERVE							
Beginning Balance	$ 535,883	$ 535,883	$ 535,883	$ 535,883	$ 535,883	$ 535,883	$ 535,883
plus: Reserve Funding from New Debt	-	-	-	-	-	-	-
less: Use of Reserves for Debt Service	-	-	-	-	-	-	-
Ending Balance	**$ 535,883**	**$ 535,883**	**$ 535,883**	**$ 535,883**	**$ 535,883**	**$ 535,883**	**$ 535,883**
Minimum Target Balance	$ -	$ -	$ -	$ -	$ -	$ -	$ -

City of Yelm
General Sewer Plan - 1.8% G
Fund Activity

Funds	2019	2020	2021	2022	2023	2024	2025
OPERATING FUND							
Beginning Balance	$ 278,555	$ 314,877	$ 295,274	$ 337,168	$ 348,172	$ 355,106	$ 365,729
plus: Net Cash Flow after Rate Increase	50,053	(19,603)	116,098	157,271	306,185	356,427	277,799
less: Transfer of Surplus to Capital Fund	(13,731)	-	(74,203)	(146,268)	(299,251)	(345,803)	(245,089)
Ending Balance	**$ 314,877**	**$ 295,274**	**$ 337,168**	**$ 348,172**	**$ 355,106**	**$ 365,729**	**$ 398,439**
Minimum Target Balance	*$ 314,877*	*$ 342,546*	*$ 337,168*	*$ 348,172*	*$ 355,106*	*$ 365,729*	*$ 398,439*
Maximum Funds to be Kept as Operating Reserves	*$ 314,877*	*$ 342,546*	*$ 337,168*	*$ 348,172*	*$ 355,106*	*$ 365,729*	*$ 398,439*
Info: No of Days of Cash Operating Expenses	*60*	*52*	*60*	*60*	*60*	*60*	*60*
CAPITAL FUND							
Beginning Balance	$ 785,227	$ 875,434	$ 1,157,847	$ 1,415,776	$ 1,749,029	$ 2,253,180	$ 2,810,637
plus: Rate Funded System Reinvestment	-	-	-	-	-	-	-
plus: Transfers from Operating Fund	13,731	-	74,203	146,268	299,251	345,803	245,089
plus: Grants/ Donations/ CIAC	-	-	-	-	-	-	-
plus: Additional Proceeds (Costs)	101,888	101,888	-	-	-	-	-
plus: System Development Charges	349,402	355,691	362,094	368,611	375,246	382,001	388,877
less: System Development Charges Towards Debt	(174,701)	(177,846)	(181,047)	(184,306)	(173,026)	(173,026)	(173,026)
plus: Revenue Bond Proceeds	-	-	-	-	-	-	-
plus: PWTF Loans	-	-	-	-	-	-	-
plus: Other Low Interest Loan Proceeds	-	-	-	-	-	-	-
plus: Interest Earnings	2,679	2,679	2,679	2,679	2,679	2,679	2,679
Total Funding Sources	**$ 1,078,227**	**$ 1,157,847**	**$ 1,415,776**	**$ 1,749,029**	**$ 2,253,180**	**$ 2,810,637**	**$ 3,274,257**
less: Capital Expenditures	(202,793)	-	-	-	-	-	-
Ending Capital Fund Balance	**$ 875,434**	**$ 1,157,847**	**$ 1,415,776**	**$ 1,749,029**	**$ 2,253,180**	**$ 2,810,637**	**$ 3,274,257**
Minimum Target Balance	*$ 412,337*	*$ 412,337*	*$ 412,337*	*$ 412,337*	*$ 412,337*	*$ 412,337*	*$ 412,337*
	227	255	312	361	441	521	553
DEBT RESERVE							
Beginning Balance	$ 535,883	$ 535,883	$ 535,883	$ 535,883	$ 535,883	$ 535,883	$ 535,883
plus: Reserve Funding from New Debt	-	-	-	-	-	-	-
less: Use of Reserves for Debt Service	-	-	-	-	-	-	-
Ending Balance	**$ 535,883**	**$ 535,883**	**$ 535,883**	**$ 535,883**	**$ 535,883**	**$ 535,883**	**$ 535,883**
Minimum Target Balance	$ -	$ -	$ -	$ -	$ -	$ -	$ -

City of Yelm
General Sewer Plan - 1.8% G
Fund Activity

Funds	2026	2027	2028	2029	2030	2031
OPERATING FUND						
Beginning Balance	$ 398,439	$ 410,616	$ 426,080	$ 442,723	$ 459,913	$ 500,442
plus: Net Cash Flow after Rate Increase	329,829	367,888	326,949	276,871	85,798	26,111
less: Transfer of Surplus to Capital Fund	(317,652)	(352,424)	(310,307)	(259,681)	(45,269)	(7,015)
Ending Balance	**$ 410,616**	**$ 426,080**	**$ 442,723**	**$ 459,913**	**$ 500,442**	**$ 519,538**
Minimum Target Balance	*$ 410,616*	*$ 426,080*	*$ 442,723*	*$ 459,913*	*$ 500,442*	*$ 519,538*
Maximum Funds to be Kept as Operating Reserves	*$ 410,616*	*$ 426,080*	*$ 442,723*	*$ 459,913*	*$ 500,442*	*$ 519,538*
Info: No of Days of Cash Operating Expenses	*60*	*60*	*60*	*60*	*60*	*60*
CAPITAL FUND						
Beginning Balance	$ 3,274,257	$ 3,817,439	$ 3,942,339	$ 4,017,682	$ 4,034,621	$ 4,334,701
plus: Rate Funded System Reinvestment	-	-	-	-	-	-
plus: Transfers from Operating Fund	317,652	352,424	310,307	259,681	45,269	7,015
plus: Grants/ Donations/ CIAC	-	-	-	-	-	-
plus: Additional Proceeds (Costs)	-	-	-	-	-	-
plus: System Development Charges	395,876	403,002	410,256	417,641	425,158	432,811
less: System Development Charges Towards Debt	(173,026)	(173,026)	(173,026)	(173,026)	(173,026)	(173,026)
plus: Revenue Bond Proceeds	-	-	-	-	-	-
plus: PWTF Loans	-	-	-	-	-	-
plus: Other Low Interest Loan Proceeds	-	-	-	-	-	-
plus: Interest Earnings	2,679	2,679	2,679	2,679	2,679	2,679
Total Funding Sources	**$ 3,817,439**	**$ 4,402,518**	**$ 4,492,556**	**$ 4,524,658**	**$ 4,334,701**	**$ 4,604,181**
less: Capital Expenditures	-	(460,179)	(474,873)	(490,037)	-	-
Ending Capital Fund Balance	**$ 3,817,439**	**$ 3,942,339**	**$ 4,017,682**	**$ 4,034,621**	**$ 4,334,701**	**$ 4,604,181**
Minimum Target Balance	*$ 412,337*	*$ 416,939*	*$ 421,688*	*$ 426,588*	*$ 426,588*	*$ 426,588*
	618	615	604	586	580	592
DEBT RESERVE						
Beginning Balance	$ 535,883	$ 535,883	$ 535,883	$ 535,883	$ 535,883	$ 535,883
plus: Reserve Funding from New Debt	-	-	-	-	-	-
less: Use of Reserves for Debt Service	-	-	-	-	-	-
Ending Balance	**$ 535,883**	**$ 535,883**	**$ 535,883**	**$ 535,883**	**$ 535,883**	**$ 535,883**
Minimum Target Balance	$ -	$ -	$ -	$ -	$ -	$ -