

# City of Cottage Grove



## Report for UTILITY RATE UPDATE

August 2015

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# SECTION I: INTRODUCTION

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This section describes the policy context and project scope upon which the body of this report is based. This report provides revenue requirement analyses that will allow the City of Cottage Grove (City) water, wastewater, and storm drainage utilities to implement its capital improvement plans while meeting its other financial obligations and policy objectives.

## A. PROJECT

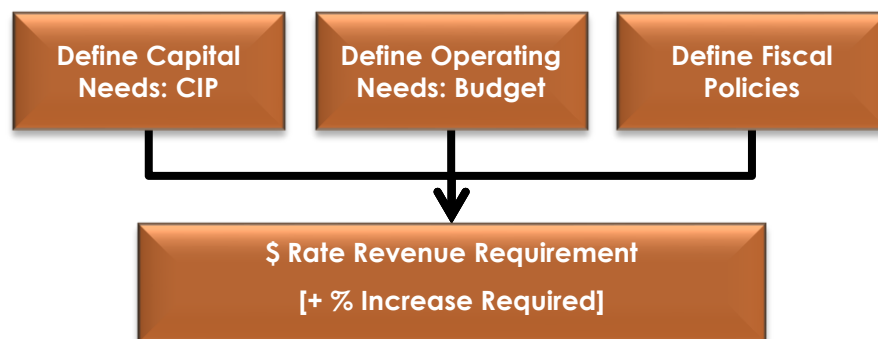
In September, 2013, the City contracted with FCS GROUP to perform a revenue requirement update for each of its water, wastewater, and stormwater utilities. In May, 2014, the rate study was put on hold while we conducted a benchmarking study. At the conclusion of the benchmarking study, we resumed and completed the rate study. We conducted the rate study using the following general approach:

- ◆ **Framework for Charges.** In this step, we worked with City staff to identify and agree on the approach to be used and the components to be included in the analysis.
- ◆ **Technical Analysis.** In this step, we worked with City staff to perform a detailed financial analysis with projected costs and project utility revenue requirements.
- ◆ **Report Preparation.** In this step, we documented the calculation of the utility rates.

## B. RATE REVENUE REQUIREMENT

The revenue requirement analysis determines the amount of rate revenue needed to meet a utility's annual financial obligations. Prudent fiscal management requires that utility rates should be set as low as possible, yet sufficient to provide for the long-term sustainability of each utility. We determine the rate revenue necessary to accomplish these goals in this report.

The rate analyses for water, wastewater, and storm drainage follow a common process, which we show graphically below.



We begin by defining the resource needs for the utility being analyzed. To define the operating needs, we forecast future operating expenditures as a function of the current operating budget and a set of escalation rates agreed upon with City staff. To define the capital needs, we forecast future capital expenditures as a function of the current capital improvement plan and/or master plan and an escalation rate for capital projects agreed upon with City staff.

Based on the resulting multi-year forecast of resource needs and the City's demand projections, we calculate the rate adjustments that would be required to meet all resource needs. If feasible and desirable, we also include the issuance of new debt in our calculations. Finally, we convert the percentage adjustments into proposed rates over the forecast period.

## SECTION II: COMMON ASSUMPTIONS

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This section identifies the assumptions that are applicable to all three utilities. These assumptions regarding customer growth, cost escalation, fiscal policies, and capital financing are summarized below:

- ◆ **Customer Growth.** 0.70 percent annually.
- ◆ **Annual Cost Escalation.**
  - General Cost Escalation: 3.20 percent. This escalator applies to materials and services expenditures.
  - Capital Cost Escalation: 4.00 percent starting in fiscal year (FY) 2015-16 (but varies in earlier years). This escalator applies to capital improvement expenditures.
  - Labor Cost Escalation: 3.07 percent. This escalator applies to salary and wage expenditures.
  - Benefit Cost Escalation: 5.00 percent starting in FY 2015-16 (but varies in earlier years). This escalator applies to employee benefit expenditures.
- ◆ **Fiscal Policies.**
  - Maintain a minimum operating fund balance of 60 to 90 days of operating expenditures starting in FY 2014-15.
- ◆ **Capital Financing Policies.**
  - Issue bonds to cover some capital expenditures. Amount and timing varies by utility and will be discussed below.
  - When bonds are issued, maintain a minimum debt service coverage ratio of 1.50.

All rate adjustments recommended or contemplated in this report apply to all components of the utility's pricing. In other words, if we recommend a 3.0 percent increase in a utility's rates, we are recommending that the fixed rate, volumetric rate, and the improvement fee all increase by 3.0 percent.

## SECTION III: WATER

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This section provides a summary of the rate revenue requirement analysis for the water utility. Costs of the utility consist of operations and maintenance (O&M) expenditures, capital expenditures, and payments on existing debt.

### A. MODEL INPUTS

In addition to the common assumptions stated in **Section II**, City staff provided a capital project list and additional future O&M requirements for the water utility. Additionally, the City intends to begin a water line upsizing program in FY 2016-17 that will initially cost \$130,000 per year.

### B. COSTS

O&M costs include personnel services and materials and services. We estimate total O&M for FY 2015-16 to be \$1,715,661. These expenditures increase by approximately \$80,000 per year due to inflation.

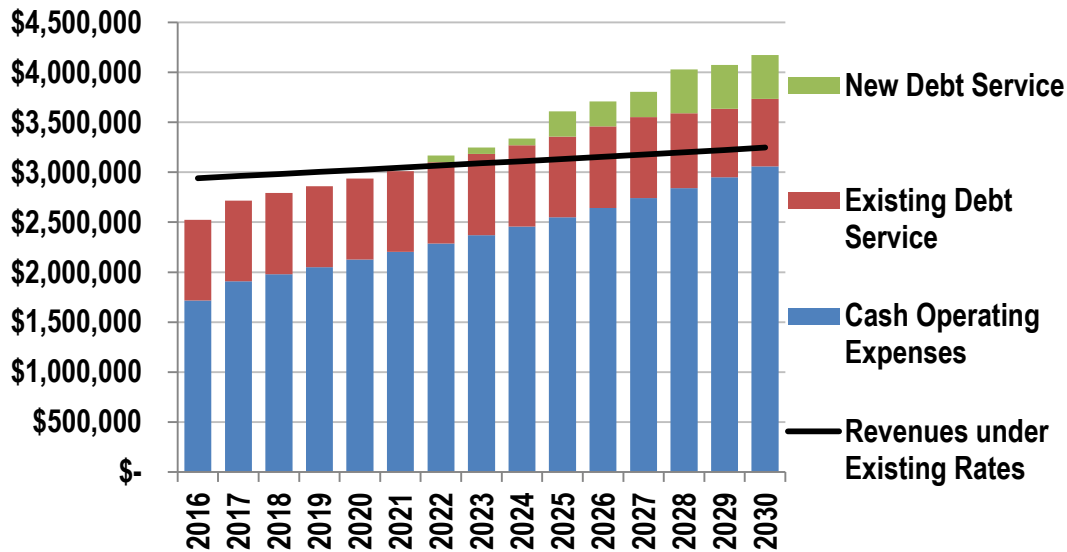
Capital expenditures are based on the projects identified by City staff. Construction costs over the next 15 years total over \$14 million. Annual costs are based on the projects in a given year, with FY 2015-16 capital costs totaling \$1.1 million. FY 2015-16 to 2019-20 construction costs, including inflation, equal \$4.3 million. It is expected that the City will pursue revenue bonds in FY 2021-22, FY 2024-25, and FY 2027-28 to cover capital expenditures in excess of revenue. Please see **Appendix A** for a complete list of projects and project costs.

The City will also continue to satisfy all existing debt obligations. The water utility has multiple debt obligations totaling over \$800,000 per year until FY 2026-27. The largest debt obligation, about three quarters of total debt, is for a water treatment plant.

### C. PROJECTIONS

A graphic summary of cash operating expenses, existing debt service, new projected debt service, and rates with existing revenue is displayed in **Exhibit 3.1**. Rates are insufficient to cover all existing and new debt service. **Exhibit 3.2** shows a table summary of O&M expenditures, capital expenditures, revenues, rate levels, and fund balances. See **Appendix A** for full details. Until FY 2021-22, annual revenues are greater than expenditures. However, beginning FY 2021-22 the City does not have enough revenue to cover all expenditures.

**Exhibit 3.1: Water Fund Summary under Existing Rates**



**Exhibit 3.2: Water Fund Summary**

Fiscal Year Ending 6/30:		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023							
<b>Capital Funding</b>																		
Total Capital Projects	\$	-	\$	1,133,508	\$	497,634	\$	717,021	\$	406,374	\$	1,538,211	\$	689,622	\$	343,216	\$	1,061,238
Revenue Bond Proceeds		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Use of Capital Fund Balance		-	-	1,133,508	497,634	717,021	406,374	1,538,211	656,987	343,216	1,061,238	-	-	-	-	-	-	-
Direct Rate Funding		-	-	-	-	-	-	-	32,634	-	-	-	-	-	-	-	-	-
<b>Total Funding Sources</b>	\$	-	\$	1,133,508	\$	497,634	\$	717,021	\$	406,374	\$	1,538,211	\$	689,622	\$	343,216	\$	1,061,238

Fiscal Year Ending 6/30:	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Revenues</b>										
Rate Revenues Under Existing Rates	\$ 2,770,656	\$ 2,874,825	\$ 2,894,949	\$ 2,915,213	\$ 2,935,620	\$ 2,956,169	\$ 2,976,862	\$ 2,997,700	\$ 3,018,684	\$ 3,039,815
Non-Rate Revenues	93,300	46,598	45,701	46,099	46,711	47,128	47,552	47,982	48,419	49,285
<b>Total Revenues</b>	<b>\$ 2,863,956</b>	<b>\$ 2,921,423</b>	<b>\$ 2,940,650</b>	<b>\$ 2,961,312</b>	<b>\$ 2,982,331</b>	<b>\$ 3,003,298</b>	<b>\$ 3,024,414</b>	<b>\$ 3,045,683</b>	<b>\$ 3,067,104</b>	<b>\$ 3,089,100</b>
<b>Expenses</b>										
Cash Operating Expenses	\$ 1,448,054	\$ 1,655,770	\$ 1,715,661	\$ 1,908,555	\$ 1,978,320	\$ 2,050,759	\$ 2,125,979	\$ 2,204,092	\$ 2,285,214	\$ 2,369,469
Existing Debt Service	821,368	808,153	806,756	808,299	814,682	808,566	811,975	806,152	816,563	813,254
New Debt Service	-	-	-	-	-	-	-	-	64,827	64,826
<b>Total Expenses</b>	<b>\$ 2,269,422</b>	<b>\$ 2,463,923</b>	<b>\$ 2,522,417</b>	<b>\$ 2,716,853</b>	<b>\$ 2,793,003</b>	<b>\$ 2,859,326</b>	<b>\$ 2,937,954</b>	<b>\$ 3,042,877</b>	<b>\$ 3,166,604</b>	<b>\$ 3,247,549</b>
<b>Annual Surplus / (Deficiency)</b>	<b>\$ 594,534</b>	<b>\$ 457,501</b>	<b>\$ 418,233</b>	<b>\$ 244,459</b>	<b>\$ 189,328</b>	<b>\$ 143,972</b>	<b>\$ 86,461</b>	<b>\$ 2,805</b>	<b>\$ (99,500)</b>	<b>\$ (158,449)</b>
Net Revenue from Rate Increases	-	-	52,109	105,892	161,394	218,660	277,738	338,675	401,521	466,326
<b>Net Surplus / (Deficiency)</b>	<b>\$ 594,534</b>	<b>\$ 457,501</b>	<b>\$ 470,342</b>	<b>\$ 350,351</b>	<b>\$ 350,722</b>	<b>\$ 362,632</b>	<b>\$ 364,198</b>	<b>\$ 341,480</b>	<b>\$ 302,021</b>	<b>\$ 307,877</b>
<b>Annual Rate Adjustment</b>	<b>0.00%</b>	<b>0.00%</b>	<b>1.80%</b>	<b>1.80%</b>	<b>1.80%</b>	<b>1.80%</b>	<b>1.80%</b>	<b>1.80%</b>	<b>1.80%</b>	<b>1.80%</b>
<b>Cumulative Rate Adjustment</b>	<b>0.00%</b>	<b>0.00%</b>	<b>1.80%</b>	<b>3.63%</b>	<b>5.50%</b>	<b>7.40%</b>	<b>9.33%</b>	<b>11.30%</b>	<b>13.30%</b>	<b>15.34%</b>
<b>Rates for Average Single-Family Residence</b>										
Base rate	\$ 15.73	\$ 16.44	\$ 16.74	\$ 17.04	\$ 17.34	\$ 17.66	\$ 17.97	\$ 18.30	\$ 18.63	\$ 18.96
Improvement rate	22.50	23.51	23.93	24.36	24.80	25.25	25.70	26.17	26.64	27.12
Consumption of 6,000 gallons	7.50	7.86	8.00	8.15	8.29	8.44	8.59	8.75	8.91	9.07
<b>Total</b>	<b>\$ 45.73</b>	<b>\$ 47.81</b>	<b>\$ 48.67</b>	<b>\$ 49.55</b>	<b>\$ 50.44</b>	<b>\$ 51.35</b>	<b>\$ 52.27</b>	<b>\$ 53.21</b>	<b>\$ 54.17</b>	<b>\$ 55.14</b>
Rate Revenues After Rate Increase	\$ 2,770,656	\$ 2,874,825	\$ 2,947,058	\$ 3,021,106	\$ 3,097,014	\$ 3,174,830	\$ 3,254,600	\$ 3,336,375	\$ 3,420,205	\$ 3,506,141
Net Cash Flow After Rate Increase	594,534	457,501	470,342	350,351	350,722	362,632	364,198	341,480	302,021	307,877
Coverage After Rate Increases	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	18.31	18.45

Fiscal Year Ending 6/30:		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023									
<b>Fund Balances</b>																				
Operating Fund	\$	237,878	\$	408,001	\$	422,759	\$	470,290	\$	487,481	\$	505,331	\$	523,866	\$	543,114	\$	563,103	\$	583,865
Capital Fund	\$	2,137,552	\$	1,895,492	\$	1,470,619	\$	1,527,779	\$	1,398,330	\$	1,591,648	\$	656,987	\$	575,777	\$	1,539,353	\$	1,028,013
Debt Reserve Fund		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64,827	-	64,827
<b>Total</b>	<b>\$</b>	<b>2,375,430</b>	<b>\$</b>	<b>2,303,493</b>	<b>\$</b>	<b>1,893,378</b>	<b>\$</b>	<b>1,998,069</b>	<b>\$</b>	<b>1,885,812</b>	<b>\$</b>	<b>2,096,979</b>	<b>\$</b>	<b>1,180,853</b>	<b>\$</b>	<b>1,118,891</b>	<b>\$</b>	<b>2,167,283</b>	<b>\$</b>	<b>1,676,704</b>
Combined Minimum Target Balance	\$	322,211	\$	415,865	\$	436,275	\$	473,730	\$	492,369	\$	508,340	\$	535,132	\$	555,824	\$	637,418	\$	661,880

## D. RECOMMENDATIONS

In theory, the City could avoid any increase to water rates until fiscal year 2021-2022. However, the rate increase required at that time would be large and perhaps politically unpalatable. Instead, we recommend that the City implement steady annual rate increases of 1.8 percent for the foreseeable future.



## SECTION IV: WASTEWATER

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This section provides a summary of the rate revenue requirement analysis for the wastewater utility. Costs of the utility consist of O&M expenditures, capital expenditures, and payments on existing debt.

### A. MODEL INPUTS

In addition to the common assumptions stated in **Section II**, City staff provided a capital project list, information on additional employees, and additional future O&M requirements for the wastewater utility. The City added one full time employee in FY 2014-15 costing approximately \$85,000 in the first year. Additionally, the City intends to begin miscellaneous wastewater projects in FY 2015-16, initially costing \$45,000 per year.

### B. COSTS

O&M costs include personnel services, materials and services, and the Middlefield golf course. The City's wastewater utility maintains the golf course and golf course operations. Golf course operations in recent history have had higher expenditures than revenues. We estimate the total O&M requirement for FY 2015-16 to be \$1,892,080. These expenditures increase by approximately \$70,000 per year due to inflation.

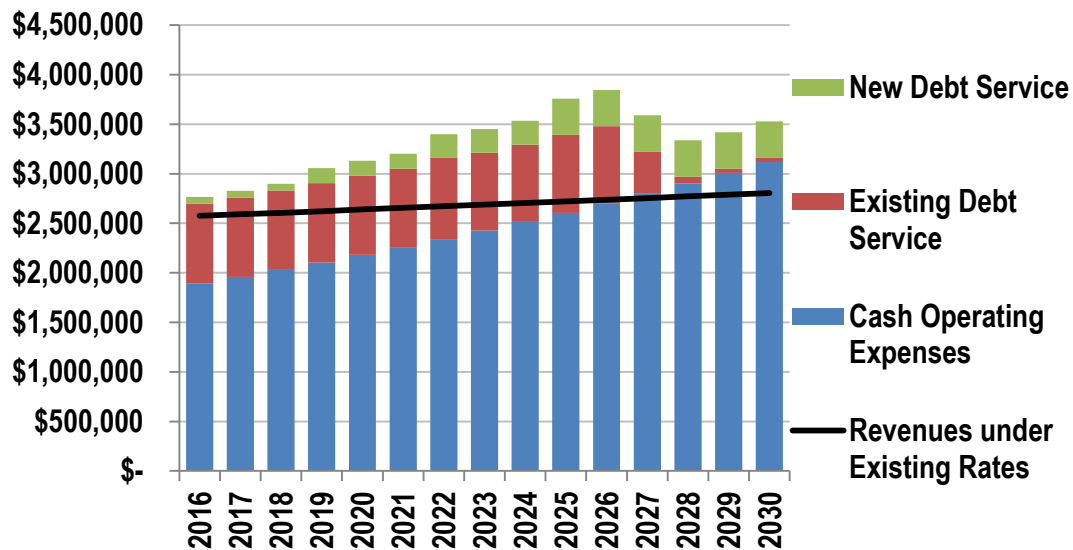
Capital expenditures are based on the projects identified by City staff. Construction costs over the next 15 years total \$7 million. Annual costs are based on the projects in a given year, with FY 2015-16 capital costs totaling \$340,000. FY 2015-16 to 2019-20 construction costs, including inflation, equal \$2 million. It is expected that the City will pursue revenue bonds every three years starting in FY 2015-16 to cover a majority of capital cost. Please see **Appendix B** for a complete list of projects and project costs.

The City will also continue to satisfy all existing debt obligations. The wastewater utility has multiple debt obligations totaling just under \$800,000 per year until FY 2025-26. The largest debt obligation, about three quarters of total debt, is for a wastewater treatment plant.

### C. PROJECTIONS

A graphic summary of cash operating expenses, existing debt service, new projected debt service, and rates with existing revenue is displayed in **Exhibit 4.1**. **Exhibit 4.2** shows a table summary of O&M expenditures, capital expenditures, revenues, rate levels, and fund balances. See **Appendix B** for full details. As projected, the City expends more than it gathers in revenue all years, largely due to capital expenditures and debt service.

**Exhibit 4.1: Wastewater Fund Summary under Existing Rates**



**Exhibit 4.2: Wastewater Fund Summary**

Fiscal Year Ending 6/30:											
Capital Funding	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
<b>Total Capital Projects</b>	\$ -	\$ -	\$ 337,171	\$ 362,982	\$ 449,990	\$ 383,501	\$ 416,185	\$ 432,832	\$ 450,146	\$ 369,745	
Revenue Bond Proceeds	-	-	59,302	-	-	338,581	-	-	410,383	-	
Use of Capital Fund Balance	-	-	277,869	362,982	449,990	44,920	416,185	349,432	39,762	369,745	
Direct Rate Funding	-	-	-	-	-	-	-	83,400	-	-	
<b>Total Funding Sources</b>	\$ -	\$ -	\$ 337,171	\$ 362,982	\$ 449,990	\$ 383,501	\$ 416,185	\$ 432,832	\$ 450,146	\$ 369,745	

Fiscal Year Ending 6/30:	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Revenues</b>										
Rate Revenues Under Existing Rates	\$ 2,040,042	\$ 2,179,085	\$ 2,194,339	\$ 2,209,699	\$ 2,225,167	\$ 2,240,743	\$ 2,256,428	\$ 2,272,223	\$ 2,288,129	\$ 2,304,146
Non-Rate Revenues	395,188	380,169	379,844	380,526	380,986	381,615	382,404	382,803	382,885	383,502
<b>Total Revenues</b>	\$ 2,435,230	\$ 2,559,254	\$ 2,574,183	\$ 2,590,225	\$ 2,606,153	\$ 2,622,358	\$ 2,638,832	\$ 2,655,027	\$ 2,671,013	\$ 2,687,648
<b>Expenses</b>										
Cash Operating Expenses	\$ 1,442,014	\$ 1,783,621	\$ 1,892,080	\$ 1,960,114	\$ 2,030,711	\$ 2,103,976	\$ 2,180,013	\$ 2,258,933	\$ 2,340,851	\$ 2,425,888
Existing Debt Service	856,639	825,551	807,639	799,841	800,052	799,913	799,174	790,875	818,374	784,989
New Debt Service	-	-	67,184	67,184	67,184	153,479	153,479	153,479	240,784	240,784
<b>Total Expenses</b>	\$ 2,298,653	\$ 2,609,172	\$ 2,766,903	\$ 2,827,138	\$ 2,897,947	\$ 3,057,367	\$ 3,132,665	\$ 3,286,687	\$ 3,400,010	\$ 3,451,661
<b>Annual Surplus / (Deficiency)</b>	\$ 136,577	\$ (49,918)	\$ (192,720)	\$ (236,913)	\$ (291,794)	\$ (435,010)	\$ (493,833)	\$ (631,661)	\$ (728,996)	\$ (764,013)
Net Revenue from Rate Increases	-	-	230,406	307,712	388,452	470,128	555,315	644,144	736,757	833,296
<b>Net Surplus / (Deficiency)</b>	\$ 136,577	\$ (49,918)	\$ 37,685	\$ 70,799	\$ 96,658	\$ 35,118	\$ 61,481	\$ 12,484	\$ 7,761	\$ 69,283
<b>Annual Rate Adjustment</b>	0.00%	0.00%	10.50%	3.10%	3.10%	3.00%	3.00%	3.00%	3.00%	3.00%
<b>Cumulative Rate Adjustment</b>	0.00%	0.00%	10.50%	13.93%	17.46%	20.98%	24.61%	28.35%	32.20%	36.17%
<b>Rates for Average Single-Family Residence</b>										
Base rate	\$ 6.84	\$ 7.28	\$ 8.04	\$ 8.29	\$ 8.55	\$ 8.81	\$ 9.07	\$ 9.34	\$ 9.62	\$ 9.91
Improvement rate	16.07	17.11	18.91	19.49	20.10	20.70	21.32	21.96	22.62	23.30
Consumption of 6,000 gallons	21.06	22.44	24.80	25.56	26.36	27.15	27.96	28.80	29.67	30.56
<b>Total</b>	\$ 43.97	\$ 46.83	\$ 51.75	\$ 53.35	\$ 55.01	\$ 56.66	\$ 58.36	\$ 60.11	\$ 61.91	\$ 63.77
Rate Revenues After Rate Increase	\$ 2,040,042	\$ 2,179,085	\$ 2,424,744	\$ 2,517,411	\$ 2,613,618	\$ 2,710,871	\$ 2,811,743	\$ 2,916,368	\$ 3,024,886	\$ 3,137,442
Net Cash Flow After Rate Increase	136,577	(49,918)	37,685	70,799	96,658	35,118	61,481	12,484	7,761	69,283
Coverage After Rate Increases	n/a	n/a	13.61	14.03	14.39	6.44	6.64	6.79	4.43	4.57

Fiscal Year Ending 6/30:											
Fund Balances	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Operating Fund	\$ 236,886	\$ 216,840	\$ 254,525	\$ 325,324	\$ 421,982	\$ 457,100	\$ 518,581	\$ 531,065	\$ 538,826	\$ 597,767	
Capital Fund	914,448	277,869	776,710	455,236	44,920	723,683	349,432	39,762	664,629	347,563	
Debt Reserve Fund	-	-	67,184	67,184	67,184	153,479	153,479	153,479	240,784	240,784	
<b>Total</b>	\$ 1,151,334	\$ 494,709	\$ 1,098,419	\$ 847,744	\$ 534,086	\$ 1,334,262	\$ 1,021,492	\$ 724,306	\$ 1,444,238	\$ 1,186,115	
Combined Minimum Target Balance	\$ 320,577	\$ 435,993	\$ 523,527	\$ 539,191	\$ 555,296	\$ 657,469	\$ 673,151	\$ 691,432	\$ 796,704	\$ 814,380	

## D. RECOMMENDATIONS

Because the wastewater utility is currently running an operating deficit, an immediate and significant rate increase is required. We recommend an initial rate increase of 10.5 percent. This increase covers the immediate projected cash flow deficiency. Thereafter, we recommend annual rate increases of 3.1 percent. The consistent rate increases offer stability and reduce the likelihood of large rate increases in the future.

## SECTION V: STORM DRAINAGE

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This section provides a summary of the rate revenue requirement analysis for the storm drainage utility. Costs of the utility consist of O&M expenditures, capital expenditures, and payments on existing debt.

### A. MODEL INPUTS

In addition to the common assumptions stated in **Section II**, City staff provided a capital project list, information on additional employees, and additional future O&M requirements. The City intends to add one full time employee in FY 2016-17 costing approximately \$80,000 in the first year. Additionally, the City intends to begin miscellaneous storm drainage projects in FY 2016-17, initially costing \$55,000 per year.

### B. COSTS

O&M costs include personnel services and materials and services. The City has relatively small O&M costs and we estimate the total O&M requirement for FY 2015-16 to be \$317,151. These expenditures increase by approximately \$20,000 per year due to inflation.

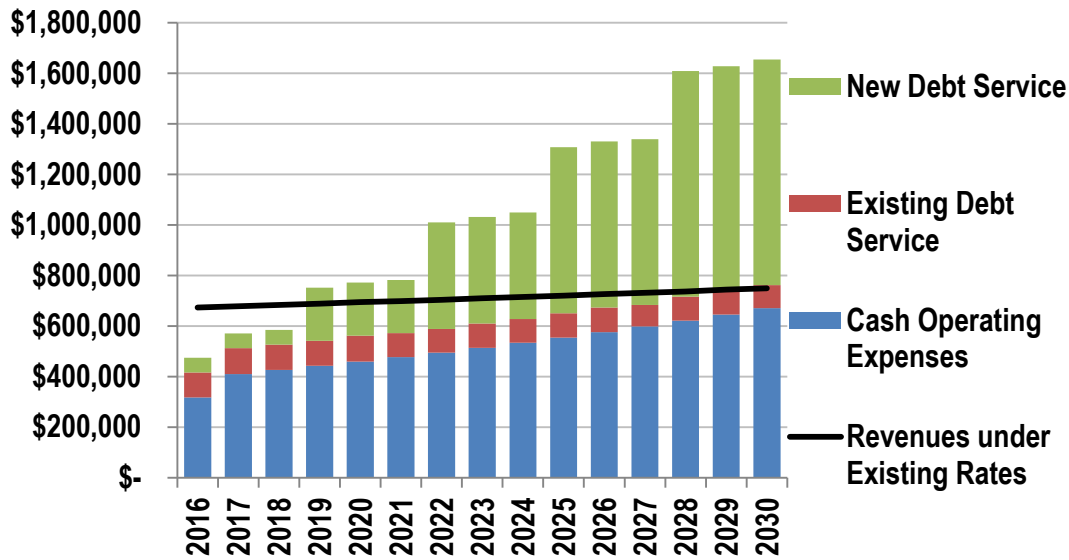
Capital expenditures are based on the projects identified by City staff. Compared to the other utilities examined, the storm drainage utility has larger capital requirement compared to the O&M requirement. Construction costs over the next 15 years total \$16.9 million. Annual costs are based on the projects in a given year, with FY 2015-16 capital costs totaling \$1.2 million. FY 2015-16 to 2019-20 construction costs, including inflation, equal \$4.7 million. It is expected that the City will pursue revenue bonds every three years starting in 2016 to cover a majority of capital costs. Please see **Appendix C** for a complete list of projects and project costs.

The City will also continue to satisfy all existing debt obligations. The storm drainage utility has few debt obligations totaling under \$100,000 per year until FY 2029-30. The debt obligation is relatively small overall compared to the other utilities.

### C. PROJECTIONS

A graphic summary of cash operating expenses, existing debt service, new projected debt service, and rates with existing revenue is displayed in **Exhibit 5.1**. **Exhibit 5.2** shows a table summary of O&M expenditures, capital expenditures, revenues, rate levels, and fund balances. See **Appendix C** for full details. Revenues are sufficient to cover O&M and existing debt obligations, but the capital expenditures, and new debt issuances associated with them, are higher than revenues.

**Exhibit 5.1: Storm drainage Fund Summary under Existing Rates**



**Exhibit 5.2: Storm drainage Fund Summary**

Fiscal Year Ending 6/30:		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Capital Funding</b>											
Total Capital Projects	\$	-	-	\$ 1,163,542	\$ 593,490	\$ 1,195,337	\$ 819,658	\$ 902,400	\$ 977,202	\$ 1,204,560	\$ 1,225,930
Revenue Bond Proceeds		-	-	-	-	-	722,460	-	-	1,161,916	-
Use of Capital Fund Balance		-	-	1,163,542	593,490	983,251	97,198	902,400	666,810	42,644	1,225,930
Direct Rate Funding		-	-	-	-	212,086	-	-	310,392	-	-
<b>Total Funding Sources</b>	\$	-	-	\$ 1,163,542	\$ 593,490	\$ 1,195,337	\$ 819,658	\$ 902,400	\$ 977,202	\$ 1,204,560	\$ 1,225,930

Fiscal Year Ending 6/30:	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Revenues</b>										
Rate Revenues Under Existing Rates	\$ 585,043	\$ 667,895	\$ 672,570	\$ 677,278	\$ 682,019	\$ 686,793	\$ 691,601	\$ 696,442	\$ 701,317	\$ 706,226
Non-Rate Revenues	1,436	1,316	1,005	1,491	1,640	1,665	2,676	2,703	2,731	4,129
<b>Total Revenues</b>	\$ 586,479	\$ 669,211	\$ 673,575	\$ 678,769	\$ 683,659	\$ 688,459	\$ 694,277	\$ 699,145	\$ 704,049	\$ 710,355
<b>Expenses</b>										
Cash Operating Expenses	\$ 221,794	\$ 252,775	\$ 317,151	\$ 410,276	\$ 425,896	\$ 442,141	\$ 459,036	\$ 476,608	\$ 494,886	\$ 513,899
Existing Debt Service	133,314	102,435	98,842	102,014	100,159	98,804	102,349	95,660	93,626	96,472
New Debt Service	-	-	58,933	58,933	58,933	210,476	210,476	210,476	420,951	420,951
<b>Total Expenses</b>	\$ 355,108	\$ 355,210	\$ 474,926	\$ 571,223	\$ 797,075	\$ 751,421	\$ 771,861	\$ 1,093,136	\$ 1,009,463	\$ 1,031,322
<b>Annual Surplus / (Deficiency)</b>	\$ 231,372	\$ 314,001	\$ 198,649	\$ 107,546	\$ (113,415)	\$ (62,963)	\$ (77,584)	\$ (393,990)	\$ (305,414)	\$ (320,967)
Net Revenue from Rate Increases	-	-	53,133	111,237	174,744	244,126	319,892	402,598	492,849	590,095
<b>Net Surplus / (Deficiency)</b>	\$ 231,372	\$ 314,001	\$ 251,782	\$ 218,783	\$ 61,329	\$ 181,163	\$ 242,308	\$ 8,608	\$ 187,434	\$ 269,129
<b>Annual Rate Adjustment</b>	0.00%	0.00%	7.90%	7.90%	7.90%	7.90%	7.90%	7.90%	7.90%	7.80%
<b>Cumulative Rate Adjustment</b>	0.00%	0.00%	7.90%	16.42%	25.62%	35.55%	46.25%	57.81%	70.27%	83.56%
<b>Rates for Average Single-Family Residence</b>										
Base rate	\$ 3.23	\$ 3.37	\$ 3.64	\$ 3.92	\$ 4.23	\$ 4.57	\$ 4.93	\$ 5.32	\$ 5.74	\$ 6.19
Improvement rate	4.24	5.15	5.56	6.00	6.47	6.98	7.53	8.13	8.77	9.45
<b>Total</b>	\$ 7.47	\$ 8.52	\$ 9.19	\$ 9.92	\$ 10.70	\$ 11.55	\$ 12.46	\$ 13.45	\$ 14.51	\$ 15.64
Rate Revenues After Rate Increase	\$ 585,043	\$ 667,895	\$ 725,703	\$ 788,515	\$ 856,763	\$ 930,919	\$ 1,011,493	\$ 1,099,040	\$ 1,194,166	\$ 1,296,322
Net Cash Flow After Rate Increase	231,372	314,001	251,782	218,783	61,329	181,163	242,308	8,608	187,434	269,129
Coverage After Rate Increases	n/a	n/a	7.12	6.59	7.45	2.33	2.68	2.99	1.67	1.89

Fiscal Year Ending 6/30:		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Fund Balances</b>											
Operating Fund	\$	36,435	\$ 62,287	\$ 78,150	\$ 101,097	\$ 104,946	\$ 108,949	\$ 113,112	\$ 117,442	\$ 121,946	\$ 126,631
Capital Fund		2,158,540	1,523,957	1,339,105	983,251	97,198	1,288,892	666,810	42,644	1,555,562	638,697
Debt Reserve Fund		-	-	58,933	58,933	58,933	210,476	210,476	210,476	420,951	420,951
<b>Total</b>	\$	<b>2,194,975</b>	<b>\$ 1,586,243</b>	<b>\$ 1,476,188</b>	<b>\$ 1,143,281</b>	<b>\$ 261,077</b>	<b>\$ 1,608,316</b>	<b>\$ 990,398</b>	<b>\$ 370,562</b>	<b>\$ 2,098,459</b>	<b>\$ 1,186,279</b>
Combined Minimum Target Balance	\$	51,568	\$ 65,776	\$ 146,784	\$ 168,170	\$ 182,691	\$ 345,100	\$ 356,696	\$ 369,562	\$ 595,088	\$ 610,473

## D. RECOMMENDATIONS

Given the capital project list for the storm drainage utility, we recommend a rate increase of 7.9 percent until FY 2021-22 and 7.8 percent until FY 2027-28. These increases largely ensure the City meets new debt service payments and coverage requirements associated with the debt issued for capital projects. Without these smoothed rate increases, the utility would be required to raise rates by over 30 percent in later fiscal years.

## VI: CONCLUSION

We recommend rate increases and new debt issuance for each utility. Exhibit 6.1 shows the annual percent increases, monthly rate, and new debt issued each year.

<b>Exhibit 6.1: Rate Increases and Debt Issuance</b>										
<b>Fiscal Year</b>										
<b>Ending 6/30:</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
<b>Water</b>										
<b>% Increase</b>	-	-	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%
<b>Rate*</b>	\$45.73	\$47.81	\$48.67	\$49.55	\$50.44	\$51.35	\$52.27	\$53.21	\$54.17	\$55.14
<b>New Debt Issued</b>	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$770,000	\$0
<b>Sewer</b>										
<b>% Increase</b>	-	-	10.50%	3.10%	3.10%	3.00%	3.00%	3.00%	3.00%	3.00%
<b>Rate*</b>	\$43.97	\$46.83	\$51.75	\$53.35	\$55.01	\$56.66	\$58.36	\$60.11	\$61.91	\$63.77
<b>New Debt Issued</b>	-	-	\$798,000	\$0	\$0	\$1,025,000	\$0	\$0	\$1,037,000	\$0
<b>Storm drainage</b>										
<b>% Increase</b>	-	-	7.90%	7.90%	7.90%	7.90%	7.90%	7.90%	7.90%	7.80%
<b>Rate</b>	\$7.47	\$8.52	\$9.19	\$9.92	\$10.70	\$11.55	\$12.46	\$13.45	\$14.51	\$15.64
<b>New Debt Issued</b>	-	-	\$700,000	\$0	\$0	\$1,800,000	\$0	\$0	\$2,500,000	\$0
<b>Total</b>										
<b>Total Utility Costs</b>	\$97	\$103	\$110	\$113	\$116	\$120	\$123	\$127	\$131	\$135
<b>Dollar Increase</b>	-	-	\$6.45	\$3.21	\$3.33	\$3.40	\$3.54	\$3.68	\$3.82	\$3.96

**Source:** Previous tables, compiled by FCS GROUP.

\*Rate calculated for 6,000 gallons.

## APPENDIX A: WATER ANALYSIS

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Note: all data in gray-shaded cells with blue font are manual inputs.



**City of Cottage Grove**  
**Water Utility**  
**Summary**

Capital Funding	Fiscal Year Ending 6/30:										
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
<b>Total Capital Projects</b>	\$ -	\$ -	\$ 1,133,508	\$ 497,634	\$ 717,021	\$ 406,374	\$ 1,538,211	\$ 689,622	\$ 343,216	\$ 1,061,238	
Revenue Bond Proceeds	-	-	-	-	-	-	-	-	-	-	
Use of Capital Fund Balance	-	-	1,133,508	497,634	717,021	406,374	1,538,211	656,987	343,216	1,061,238	
Direct Rate Funding	-	-	-	-	-	-	-	32,634	-	-	
<b>Total Funding Sources</b>	\$ -	\$ -	\$ 1,133,508	\$ 497,634	\$ 717,021	\$ 406,374	\$ 1,538,211	\$ 689,622	\$ 343,216	\$ 1,061,238	

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Revenues</b>										
Rate Revenues Under Existing Rates	\$ 2,770,656	\$ 2,874,825	\$ 2,894,949	\$ 2,915,213	\$ 2,935,620	\$ 2,956,169	\$ 2,976,862	\$ 2,997,700	\$ 3,018,684	\$ 3,039,815
Non-Rate Revenues	93,300	46,598	45,701	46,099	46,711	47,128	47,552	47,982	48,419	49,285
<b>Total Revenues</b>	\$ 2,863,956	\$ 2,921,423	\$ 2,940,650	\$ 2,961,312	\$ 2,982,331	\$ 3,003,298	\$ 3,024,414	\$ 3,045,683	\$ 3,067,104	\$ 3,089,100
<b>Expenses</b>										
Cash Operating Expenses	\$ 1,448,054	\$ 1,655,770	\$ 1,715,661	\$ 1,908,555	\$ 1,978,320	\$ 2,050,759	\$ 2,125,979	\$ 2,204,092	\$ 2,285,214	\$ 2,369,469
Existing Debt Service	821,368	808,153	806,756	808,299	814,682	808,566	811,975	806,152	816,563	813,254
New Debt Service	-	-	-	-	-	-	-	-	64,827	64,826
<b>Total Expenses</b>	\$ 2,269,422	\$ 2,463,923	\$ 2,522,417	\$ 2,716,853	\$ 2,793,003	\$ 2,859,326	\$ 2,937,954	\$ 3,042,877	\$ 3,166,604	\$ 3,247,549
<b>Annual Surplus / (Deficiency)</b>	\$ 594,534	\$ 457,501	\$ 418,233	\$ 244,459	\$ 189,328	\$ 143,972	\$ 86,461	\$ 2,805	\$ (99,500)	\$ (158,449)
Net Revenue from Rate Increases	-	-	52,109	105,892	161,394	218,660	277,738	338,675	401,521	466,326
<b>Net Surplus / (Deficiency)</b>	\$ 594,534	\$ 457,501	\$ 470,342	\$ 350,351	\$ 350,722	\$ 362,632	\$ 364,198	\$ 341,480	\$ 302,021	\$ 307,877
<b>Annual Rate Adjustment</b>	0.00%	0.00%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%
<b>Cumulative Rate Adjustment</b>	0.00%	0.00%	1.80%	3.63%	5.50%	7.40%	9.33%	11.30%	13.30%	15.34%
<b>Rates for Average Single-Family Residence</b>										
Base rate	\$ 15.73	\$ 16.44	\$ 16.74	\$ 17.04	\$ 17.34	\$ 17.66	\$ 17.97	\$ 18.30	\$ 18.63	\$ 18.96
Improvement rate	22.50	23.51	23.93	24.36	24.80	25.25	25.70	26.17	26.64	27.12
Consumption of 6,000 gallons	7.50	7.86	8.00	8.15	8.29	8.44	8.59	8.75	8.91	9.07
<b>Total</b>	\$ 45.73	\$ 47.81	\$ 48.67	\$ 49.55	\$ 50.44	\$ 51.35	\$ 52.27	\$ 53.21	\$ 54.17	\$ 55.14
Rate Revenues After Rate Increase	\$ 2,770,656	\$ 2,874,825	\$ 2,947,058	\$ 3,021,106	\$ 3,097,014	\$ 3,174,830	\$ 3,254,600	\$ 3,336,375	\$ 3,420,205	\$ 3,506,141
Net Cash Flow After Rate Increase	594,534	457,501	470,342	350,351	350,722	362,632	364,198	341,480	302,021	307,877
Coverage After Rate Increases	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	18.31	18.45

Fund Balances	Fiscal Year Ending 6/30:										
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Operating Fund	\$ 237,878	\$ 408,001	\$ 422,759	\$ 470,290	\$ 487,481	\$ 505,331	\$ 523,866	\$ 543,114	\$ 563,103	\$ 583,865	
Capital Fund	2,137,552	1,895,492	1,470,619	1,527,779	1,398,330	1,591,648	656,987	575,777	1,539,353	1,028,013	
Debt Reserve Fund	-	-	-	-	-	-	-	-	64,827	64,827	
<b>Total</b>	\$ 2,375,430	\$ 2,303,493	\$ 1,893,378	\$ 1,998,069	\$ 1,885,812	\$ 2,096,979	\$ 1,180,853	\$ 1,118,891	\$ 2,167,283	\$ 1,676,704	
Combined Minimum Target Balance	\$ 322,211	\$ 415,865	\$ 436,275	\$ 473,730	\$ 492,369	\$ 508,340	\$ 535,132	\$ 555,824	\$ 637,418	\$ 661,880	

**City of Cottage Grove  
Water Utility  
Summary**

Capital Funding	Fiscal Year							
	2024	2025	2026	2027	2028	2029	2030	
<b>Total Capital Projects</b>	\$ 1,103,688	\$ 1,147,836	\$ 1,193,749	\$ 1,241,499	\$ 933,686	\$ 727,647	\$ 1,355,124	
Revenue Bond Proceeds	-	676,287	-	-	666,798	-	-	
Use of Capital Fund Balance	1,028,013	471,549	1,193,749	1,070,783	266,889	727,647	1,355,124	
Direct Rate Funding	75,675	-	-	170,716	-	-	-	
<b>Total Funding Sources</b>	\$ 1,103,688	\$ 1,147,836	\$ 1,193,749	\$ 1,241,499	\$ 933,686	\$ 727,647	\$ 1,355,124	

Fiscal Year Ending 6/30:	2024	2025	2026	2027	2028	2029	2030
<b>Revenues</b>							
Rate Revenues Under Existing Rates	\$ 3,061,094	\$ 3,082,522	\$ 3,104,099	\$ 3,125,828	\$ 3,147,709	\$ 3,169,743	\$ 3,191,931
Non-Rate Revenues	49,736	50,195	51,871	52,345	52,317	53,767	54,338
<b>Total Revenues</b>	\$ 3,110,830	\$ 3,132,717	\$ 3,155,970	\$ 3,178,173	\$ 3,200,025	\$ 3,223,510	\$ 3,246,269
<b>Expenses</b>							
Cash Operating Expenses	\$ 2,456,982	\$ 2,547,887	\$ 2,642,322	\$ 2,740,430	\$ 2,842,363	\$ 2,948,276	\$ 3,058,332
Existing Debt Service	814,604	809,375	815,734	813,001	747,897	686,826	677,551
New Debt Service	64,827	250,887	250,887	250,987	439,631	439,631	439,631
<b>Total Expenses</b>	\$ 3,412,088	\$ 3,608,149	\$ 3,708,943	\$ 3,975,033	\$ 4,028,891	\$ 4,073,733	\$ 4,174,515
<b>Annual Surplus / (Deficiency)</b>	\$ (301,257)	\$ (475,432)	\$ (552,973)	\$ (796,860)	\$ (828,866)	\$ (850,223)	\$ (928,246)
Net Revenue from Rate Increases	533,143	602,024	673,024	742,396	813,813	887,327	928,246
<b>Net Surplus / (Deficiency)</b>	\$ 231,885	\$ 126,591	\$ 120,051	\$ (54,464)	\$ (15,053)	\$ 37,103	\$ (0)
<b>Annual Rate Adjustment</b>	1.80%	1.80%	1.80%	1.70%	1.70%	1.70%	0.85%
<b>Cumulative Rate Adjustment</b>	17.42%	19.53%	21.68%	23.75%	25.85%	27.99%	29.08%
<b>Rates for Average Single-Family Residence</b>							
Base rate	\$ 19.30	\$ 19.65	\$ 20.00	\$ 20.34	\$ 20.69	\$ 21.04	\$ 21.22
Improvement rate	27.60	28.10	28.61	29.09	29.59	30.09	30.35
Consumption of 6,000 gallons	9.23	9.40	9.56	9.73	9.89	10.06	10.15
<b>Total</b>	\$ 56.14	\$ 57.15	\$ 58.18	\$ 59.17	\$ 60.17	\$ 61.19	\$ 61.71
Rate Revenues After Rate Increase	\$ 3,594,236	\$ 3,684,545	\$ 3,777,123	\$ 3,868,224	\$ 3,961,521	\$ 4,057,069	\$ 4,120,177
Net Cash Flow After Rate Increase	231,885	126,591	120,051	(54,464)	(15,053)	37,103	-
Coverage After Rate Increases	18.41	4.74	4.78	4.73	2.67	2.68	2.57

Fund Balances	Fiscal Year							
	2024	2025	2026	2027	2028	2029	2030	
Operating Fund	\$ 605,429	\$ 627,829	\$ 651,099	\$ 596,634	\$ 581,581	\$ 618,685	\$ 618,685	
Capital Fund	471,549	1,897,297	1,070,783	266,889	1,826,685	1,374,492	293,728	
Debt Reserve Fund	64,827	250,887	250,887	250,887	439,631	439,631	439,631	
<b>Total</b>	\$ 1,141,804	\$ 2,776,013	\$ 1,972,769	\$ 1,114,410	\$ 2,846,898	\$ 2,431,808	\$ 1,351,044	
Combined Minimum Target Balance	\$ 686,200	\$ 899,785	\$ 927,246	\$ 955,789	\$ 1,168,349	\$ 1,194,313	\$ 1,225,955	

**City of Cottage Grove  
Water Utility  
Assumptions**

<b>Economic &amp; Financial Factors</b>		Fiscal Year Ending 6/30:	2014	2015	2016	2017	2018	2019	2020	2021
1	General Cost Inflation		3.20%	3.20%	3.20%	3.20%	3.20%	3.20%	3.20%	3.20%
2	Construction Cost Inflation		2.33%	3.16%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
3	Labor Cost Inflation		3.07%	3.07%	3.07%	3.07%	3.07%	3.07%	3.07%	3.07%
4	Benefit Cost Inflation		3.07%	4.03%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
5	General Inflation plus Growth		3.93%	3.93%	3.93%	3.93%	3.93%	3.93%	3.93%	3.93%
6			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
7			0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%
8	No Escalation		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Fund Earnings		0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%
	Unused 2		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Franchise Fee		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
9	Customer Growth		0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%
	Cumulative Customer Growth		0.70%	1.40%	2.11%	2.83%	3.55%	4.27%	5.00%	5.74%
	Population at beginning of fiscal year		9,785	9,853	9,922	9,992	10,062	10,132	10,203	10,275

<b>Accounting Assumptions</b>		Fiscal Year Ending 6/30:	2014	2015	2016	2017	2018	2019	2020	2021	
<b>FISCAL POLICY RESTRICTIONS</b>											
	Min. Op. Fund Balance Target (days of O&M expense)		45	60	60	60	60	60	60	60	
	Max. Op. Fund Balance (days of O&M expense)		60	90	90	90	90	90	90	90	
<b>Minimum Capital Fund Balance Target</b>											
	Select Minimum Capital Fund Balance Target		1	Defined as % of Plant							
	1 - Defined as % of Plant										
	Plant-in-Service in 2013		\$ 14,368,388								
	Minimum Capital Fund Balance - % of plant assets		1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	
	2 - Amount at Right ==>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

<b>RATE FUNDED SYSTEM REINVESTMENT</b>	
Select Reinvestment Funding Strategy	4
System Reinvestment is not Funded	
<b>Amount of Annual Cash Funding from Rates</b>	
1 - Equal to Annual Depreciation Expense	

**City of Cottage Grove  
Water Utility  
Assumptions**

<b>Economic &amp; Financial Factors</b>		Fiscal Year Ending 6/30:	2022	2023	2024	2025	2026	2027	2028	2029	2030
1	General Cost Inflation		3.20%	3.20%	3.20%	3.20%	3.20%	3.20%	3.20%	3.20%	3.20%
2	Construction Cost Inflation		4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
3	Labor Cost Inflation		3.07%	3.07%	3.07%	3.07%	3.07%	3.07%	3.07%	3.07%	3.07%
4	Benefit Cost Inflation		5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
5	General Inflation plus Growth		3.93%	3.93%	3.93%	3.93%	3.93%	3.93%	3.93%	3.93%	3.93%
6			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
7			0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%
8	No Escalation		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Fund Earnings		0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%
	Unused 2		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Franchise Fee		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
9	Customer Growth		0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%
	Cumulative Customer Growth		6.48%	7.22%	7.98%	8.73%	9.49%	10.26%	11.03%	11.81%	12.59%
	Population at beginning of fiscal year		10,347	10,419	10,492	10,565	10,639	10,714	10,789	10,864	10,940

<b>Accounting Assumptions</b>		Fiscal Year Ending 6/30:	2022	2023	2024	2025	2026	2027	2028	2029	2030
<b>FISCAL POLICY RESTRICTIONS</b>											
	Min. Op. Fund Balance Target (days of O&M expense)		60	60	60	60	60	60	60	60	60
	Max. Op. Fund Balance (days of O&M expense)		90	90	90	90	90	90	90	90	90
Minimum Capital Fund Balance Target											
	Select Minimum Capital Fund Balance Target		1								
	1 - Defined as % of Plant										
	Plant-in-Service in 2013		\$ 14,368,388								
	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%
	2 - Amount at Right ==>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

<b>RATE FUNDED SYSTEM REINVESTMENT</b>	
Select Reinvestment Funding Strategy	4
<b>Amount of Annual Cash Funding from Rates</b>	
1 - Equal to Annual Depreciation Expense	

PREPARED BY FCS GROUP, INC.  
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Cottage Grove Water Model v13  
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Assumptions  
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## City of Cottage Grove Water Utility

### Assumptions

2 - Equal to Annual Depreciation Expense less Annual Debt Principal Payments										
3 - Equal to Amount at Right ==>	\$	-	\$	-	\$	-	\$	-	\$	-
4 - Do Not Fund System Reinvestment										
System Reinvestment Policy Implementation (%)	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

## City of Cottage Grove Water Utility

### Assumptions

2 - Equal to Annual Depreciation Expense less Annual Debt Principal	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
3 - Equal to Amount at Right ==>																					
4 - Do Not Fund System Reinvestment																					
System Reinvestment Policy Implementation (%)	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

**City of Cottage Grove  
Water Utility  
Assumptions**

**Capital Financing Assumptions** Fiscal Year Ending 6/30: 2014 2015 2016 2017 2018 2019 2020 2021

**SYSTEM DEVELOPMENT CHARGE (SDC) REVENUES**

Select SDC Alternative	1
1 - User Input (Current Charge)	\$ 237
2 - Calculated Charge	

Current Charge is in use  
per fixture

Total fixtures	144,121	145,130	146,146	147,169	148,199	149,236	150,281	151,333
System Development Charge Revenues	\$ 146,702	\$ 50,000	\$ 240,730	\$ 242,415	\$ 244,112	\$ 245,821	\$ 247,541	\$ 249,274

**REVENUE BONDS**

Term (years)	20	20	20	20	20	20	20	20
Interest Only Period (First n years)	0	0	0	0	0	0	0	0
Interest Cost	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%
Issuance Cost	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Revenue Bond Coverage Requirement	1.50							

**LOANS**

Term (years; no more than 20 years)	20	20	20	20	20	20	20	20
Interest Cost	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%

**GENERAL OBLIGATION BONDS**

Term (years)	20	20	20	20	20	20	20	20
Interest Cost	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%
Issuance Cost	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%

**City of Cottage Grove**  
**Water Utility**  
**Assumptions**

**Capital Financing Assumptions**      Fiscal Year Ending 6/30:      2022      2023      2024      2025      2026      2027      2028      2029      2030

**SYSTEM DEVELOPMENT CHARGE (SDC) REVENUES**

Select SDC Alternative	1
1 - User Input (Current Charge)	\$ 237
2 - Calculated Charge	

Total fixtures		152,392	153,459	154,533	155,615	156,704	157,801	158,906	160,018	161,138
System Development Charge Revenues	\$	251,019	\$ 252,776	\$ 254,546	\$ 256,327	\$ 258,122	\$ 259,929	\$ 261,748	\$ 263,580	\$ 265,425

**REVENUE BONDS**

Term (years)	20	20	20	20	20	20	20	20	20	
Interest Only Period (First n years)	0	0	0	0	0	0	0	0	0	
Interest Cost	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	
Issuance Cost	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	
Revenue Bond Coverage Requirement	1.50									

**LOANS**

Term (years; no more than 20 years)	20	20	20	20	20	20	20	20	20
Interest Cost	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%

**GENERAL OBLIGATION BONDS**

Term (years)	20	20	20	20	20	20	20	20	20
Interest Cost	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%
Issuance Cost	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%



**City of Cottage Grove**  
**Water Utility**  
**Operating Revenue and Expenditure Forecast**

Revenues			Fiscal Year Ending 6/30:	Actual	Budget	Projection	Projection	Projection	Projection	Projection	Projection
				2014	2015	2016	2017	2018	2019	2020	2021
Rate Revenues											
Water Fund											
45010	Sale of Water	9	Customer Growth	\$ 1,526,226	\$ 1,603,110	\$ 1,614,332	\$ 1,625,632	\$ 1,637,012	\$ 1,648,471	\$ 1,660,010	\$ 1,671,630
Water Reserve Fund											
45011	Water surcharge	9	Customer Growth	1,244,430	1,271,715	1,280,617	1,289,581	1,298,608	1,307,699	1,316,853	1,326,071
	[Other]	9	Customer Growth	-	-	-	-	-	-	-	-
<b>Subtotal Rate Revenues</b>				<b>2,770,656</b>	<b>2,874,825</b>	<b>2,894,949</b>	<b>2,915,213</b>	<b>2,935,620</b>	<b>2,956,169</b>	<b>2,976,862</b>	<b>2,997,700</b>
Non-Rate Revenues											
45020	Service connection fees	9	Customer Growth	\$ 40,713	\$ 30,000	\$ 30,210	\$ 30,421	\$ 30,634	\$ 30,849	\$ 31,065	\$ 31,282
45030	Installation fees	9	Customer Growth	-	3,500	3,525	3,549	3,574	3,599	3,624	3,650
45500	Misc. Charges for Services	9	Customer Growth	46,079	-	-	-	-	-	-	-
54010	Credit Bureau	9	Customer Growth	-	2,000	2,014	2,028	2,042	2,057	2,071	2,085
54050	Auction Proceeds	9	Customer Growth	-	250	252	254	255	257	259	261
54060	Miscellaneous Revenues	9	Customer Growth	3,601	7,000	7,049	7,098	7,148	7,198	7,248	7,299
	[Other]	9	Customer Growth	-	-	-	-	-	-	-	-
<b>Subtotal Non-Rate Revenues</b>				<b>90,393</b>	<b>42,750</b>	<b>43,049</b>	<b>43,351</b>	<b>43,654</b>	<b>43,960</b>	<b>44,267</b>	<b>44,577</b>
<b>TOTAL REVENUES</b>				<b>\$ 2,861,049</b>	<b>\$ 2,917,575</b>	<b>\$ 2,937,998</b>	<b>\$ 2,958,564</b>	<b>\$ 2,979,274</b>	<b>\$ 3,000,129</b>	<b>\$ 3,021,130</b>	<b>\$ 3,042,278</b>

Expenditures			Fiscal Year Ending 6/30:	2014	2015	2016	2017	2018	2019	2020	2021
Water Distribution											
Personnel Services											
60240	Utilities Clerk	3	Labor Cost Inflation	\$ -	\$ 22,020	\$ 22,695	\$ 23,391	\$ 24,108	\$ 24,848	\$ 25,610	\$ 26,395
60250	Finance Clerk	3	Labor Cost Inflation	-	5,860	6,040	6,225	6,416	6,613	6,815	7,024
60400	Public Works Director	3	Labor Cost Inflation	-	22,945	23,649	24,374	25,121	25,892	26,685	27,504
60410	Administrative Aide	3	Labor Cost Inflation	-	15,905	16,393	16,895	17,413	17,947	18,498	19,065
60420	Clerical Assistant	3	Labor Cost Inflation	-	19,945	20,557	21,187	21,837	22,506	23,196	23,908
60425	Permit Specialist	3	Labor Cost Inflation	-	-	-	-	-	-	-	-
60430	City Engineer	3	Labor Cost Inflation	-	16,600	17,109	17,634	18,174	18,732	19,306	19,898
60440	Utilities Maint. Supervisor	3	Labor Cost Inflation	-	35,295	36,377	37,493	38,643	39,827	41,049	42,308
60450	Fleet and Facilities Manager	3	Labor Cost Inflation	-	28,610	29,487	30,392	31,323	32,284	33,274	34,294
60480	Utility Maintenance Workers	3	Labor Cost Inflation	-	232,005	239,119	246,452	254,009	261,798	269,826	278,100
61100	Overtime	4	Benefit Cost Inflation	-	4,800	5,040	5,292	5,557	5,834	6,126	6,432
62010	Workers' Compensation	4	Benefit Cost Inflation	-	11,325	11,891	12,486	13,110	13,766	14,454	15,177
62020	Unemployment	4	Benefit Cost Inflation	-	3,235	3,397	3,567	3,745	3,932	4,129	4,335
62030	FICA	4	Benefit Cost Inflation	-	30,905	32,450	34,073	35,776	37,565	39,443	41,416
63010	Life Insurance	4	Benefit Cost Inflation	-	285	299	314	330	346	364	382
63020	Retirement	4	Benefit Cost Inflation	-	81,255	85,318	89,584	94,063	98,766	103,704	108,889
63030	Disability Insurance	4	Benefit Cost Inflation	-	2,220	2,331	2,448	2,570	2,698	2,833	2,975
63040	Health Insurance	4	Benefit Cost Inflation	-	141,950	149,048	156,500	164,325	172,541	181,168	190,227
	[Other]	1	General Cost Inflation	-	-	-	-	-	-	-	-
<b>Subtotal Personnel Services</b>				<b>-</b>	<b>675,160</b>	<b>701,200</b>	<b>728,305</b>	<b>756,521</b>	<b>785,896</b>	<b>816,482</b>	<b>848,329</b>
Materials and Services											
71000	Contractual Services	1	General Cost Inflation	\$ -	\$ 20,000	\$ 20,641	\$ 21,302	\$ 21,984	\$ 22,689	\$ 23,416	\$ 24,166
71210	Clothing Allowance	1	General Cost Inflation	-	1,300	1,342	1,385	1,429	1,475	1,522	1,571
71500	Electricity	1	General Cost Inflation	-	22,000	22,705	23,432	24,183	24,958	25,757	26,582
71520	Telephone	1	General Cost Inflation	-	8,000	8,256	8,521	8,794	9,075	9,366	9,666
71530	Natural Gas	1	General Cost Inflation	-	2,500	2,580	2,663	2,748	2,836	2,927	3,021

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**City of Cottage Grove  
Water Utility  
Operating Revenue and Expend**

Revenues	Projection 2022	Projection 2023	Projection 2024	Projection 2025	Projection 2026	Projection 2027	Projection 2028	Projection 2029	Projection 2030
<b>Rate Revenues</b>									
<b>Water Fund</b>									
45010 Sale of Water	\$ 1,693,331	\$ 1,695,115	\$ 1,706,980	\$ 1,718,929	\$ 1,730,962	\$ 1,743,079	\$ 1,755,280	\$ 1,767,567	\$ 1,779,940
<b>Water Reserve Fund</b>									
45011 Water surcharge	1,335,353	1,344,700	1,354,113	1,363,592	1,373,137	1,382,749	1,392,429	1,402,176	1,411,991
[Other]	-	-	-	-	-	-	-	-	-
<b>Subtotal Rate Revenues</b>	<b>3,018,684</b>	<b>3,039,815</b>	<b>3,061,094</b>	<b>3,082,522</b>	<b>3,104,099</b>	<b>3,125,828</b>	<b>3,147,709</b>	<b>3,169,743</b>	<b>3,191,931</b>
<b>Non-Rate Revenues</b>									
45020 Service connection fees	\$ 31,501	\$ 31,722	\$ 31,944	\$ 32,167	\$ 32,393	\$ 32,619	\$ 32,848	\$ 33,078	\$ 33,309
45030 Installation fees	3,675	3,701	3,727	3,753	3,779	3,806	3,832	3,859	3,886
45500 Misc. Charges for Services	-	-	-	-	-	-	-	-	-
54010 Credit Bureau	2,100	2,115	2,130	2,144	2,160	2,175	2,190	2,205	2,221
54050 Auction Proceeds	263	264	266	268	270	272	274	276	278
54060 Miscellaneous Revenues	7,350	7,402	7,454	7,506	7,558	7,611	7,664	7,718	7,772
[Other]	-	-	-	-	-	-	-	-	-
<b>Subtotal Non-Rate Revenues</b>	<b>44,889</b>	<b>45,203</b>	<b>45,520</b>	<b>45,839</b>	<b>46,159</b>	<b>46,483</b>	<b>46,808</b>	<b>47,136</b>	<b>47,466</b>
<b>TOTAL REVENUES</b>	<b>\$ 3,063,574</b>	<b>\$ 3,085,019</b>	<b>\$ 3,106,614</b>	<b>\$ 3,128,360</b>	<b>\$ 3,150,259</b>	<b>\$ 3,172,310</b>	<b>\$ 3,194,517</b>	<b>\$ 3,216,878</b>	<b>\$ 3,239,396</b>

Expenditures	2022	2023	2024	2025	2026	2027	2028	2029	2030
<b>Water Distribution</b>									
<b>Personnel Services</b>									
60240 Utilities Clerk	\$ 27,204	\$ 28,039	\$ 28,898	\$ 29,785	\$ 30,698	\$ 31,639	\$ 32,609	\$ 33,609	\$ 34,640
60250 Finance Clerk	7,240	7,462	7,690	7,926	8,169	8,420	8,678	8,944	9,218
60400 Public Works Director	28,347	29,216	30,112	31,036	31,987	32,968	33,979	35,021	36,095
60410 Administrative Aide	19,650	20,252	20,873	21,513	22,173	22,853	23,554	24,276	25,020
60420 Clerical Assistant	24,641	25,396	26,175	26,978	27,805	28,658	29,537	30,442	31,376
60425 Permit Specialist	-	-	-	-	-	-	-	-	-
60430 City Engineer	20,508	21,137	21,785	22,453	23,142	23,852	24,583	25,337	26,114
60440 Utilities Maint. Supervisor	43,605	44,942	46,320	47,741	49,204	50,713	52,268	53,871	55,523
60450 Fleet and Facilities Manager	35,346	36,430	37,547	38,698	39,885	41,108	42,369	43,668	45,007
60480 Utility Maintenance Workers	286,628	295,418	304,477	313,813	323,436	333,354	343,576	354,112	364,971
61100 Overtime	6,754	7,092	7,446	7,819	8,210	8,620	9,051	9,504	9,979
62010 Workers' Compensation	15,935	16,732	17,569	18,447	19,370	20,338	21,355	22,423	23,544
62020 Unemployment	4,552	4,780	5,019	5,269	5,533	5,810	6,100	6,405	6,725
62030 FICA	43,486	45,661	47,944	50,341	52,858	55,501	58,276	61,190	64,249
63010 Life Insurance	401	421	442	464	487	512	537	564	592
63020 Retirement	114,334	120,051	126,053	132,356	138,974	145,922	153,218	160,879	168,923
63030 Disability Insurance	3,124	3,280	3,444	3,616	3,797	3,987	4,186	4,395	4,615
63040 Health Insurance	199,738	209,725	220,211	231,222	242,783	254,922	267,668	281,051	295,104
[Other]	-	-	-	-	-	-	-	-	-
<b>Subtotal Personnel Services</b>	<b>881,494</b>	<b>916,033</b>	<b>952,006</b>	<b>989,477</b>	<b>1,028,511</b>	<b>1,069,177</b>	<b>1,111,546</b>	<b>1,155,693</b>	<b>1,201,697</b>
<b>Materials and Services</b>									
71000 Contractual Services	\$ 24,940	\$ 25,739	\$ 26,563	\$ 27,414	\$ 28,293	\$ 29,199	\$ 30,135	\$ 31,100	\$ 32,096
71210 Clothing Allowance	1,621	1,673	1,727	1,782	1,839	1,898	1,959	2,021	2,086
71500 Electricity	27,434	28,313	29,220	30,156	31,122	32,119	33,148	34,210	35,306
71520 Telephone	9,976	10,296	10,625	10,966	11,317	11,680	12,054	12,440	12,838
71530 Natural Gas	3,117	3,217	3,320	3,427	3,537	3,650	3,767	3,887	4,012

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**City of Cottage Grove  
Water Utility  
Operating Revenue and Expenditure Forecast**

Revenues			Actual	Budget	Projection	Projection	Projection	Projection	Projection	Projection
Fiscal Year Ending 6/30:			2014	2015	2016	2017	2018	2019	2020	2021
71540 Fuel and Lubricants	1	General Cost Inflation	-	16,000	16,513	17,042	17,588	18,151	18,732	19,333
71560 Communications Service	1	General Cost Inflation	-	1,500	1,548	1,598	1,649	1,702	1,756	1,812
71600 Postage	1	General Cost Inflation	-	-	-	-	-	-	-	-
71700 Building Maint. And Repair	1	General Cost Inflation	-	4,000	4,128	4,260	4,397	4,538	4,683	4,833
71710 Equipment Maint. And Repair	1	General Cost Inflation	-	18,300	18,886	19,491	20,116	20,760	21,425	22,112
71720 Vehicle Maint. And Repair	1	General Cost Inflation	-	7,500	7,740	7,988	8,244	8,508	8,781	9,062
71730 Radio Maint. And Repair	1	General Cost Inflation	-	400	413	426	440	454	468	483
72000 Computer Service and Supplies	1	General Cost Inflation	-	500	516	533	550	567	585	604
72010 Office Supplies	1	General Cost Inflation	-	800	826	852	879	908	937	967
72100 Minor Equipment and Tools	1	General Cost Inflation	-	7,000	7,224	7,456	7,695	7,941	8,195	8,458
72120 Equip. Rental and Lease	1	General Cost Inflation	-	5,000	5,160	5,325	5,496	5,672	5,854	6,041
72400 Lab Tests and Supplies	1	General Cost Inflation	-	1,000	1,032	1,065	1,099	1,134	1,171	1,208
72410 Treatment Chemical	1	General Cost Inflation	-	1,000	1,032	1,065	1,099	1,134	1,171	1,208
72510 Safety Equipment	1	General Cost Inflation	-	1,800	1,851	1,904	1,959	2,015	2,073	2,133
72600 Cleaning Supplies	1	General Cost Inflation	-	1,200	1,238	1,278	1,319	1,361	1,405	1,450
73000 Sand and Gravel	1	General Cost Inflation	-	10,000	10,320	10,651	10,992	11,344	11,708	12,083
73010 Asphalt and Concrete	1	General Cost Inflation	-	3,000	3,096	3,195	3,298	3,403	3,512	3,625
73100 Water Pipe and Appurtenances	1	General Cost Inflation	-	65,000	67,082	69,231	71,449	73,738	76,101	78,539
73110 Hydrants	1	General Cost Inflation	-	10,000	10,320	10,651	10,992	11,344	11,708	12,083
73120 Water Meters	1	General Cost Inflation	-	15,000	15,481	15,976	16,488	17,017	17,562	18,124
73600 Misc. Supplies and Expenses	1	General Cost Inflation	-	8,000	8,256	8,521	8,794	9,075	9,366	9,666
74300 Employee Medical Exams and Tests	1	General Cost Inflation	-	-	-	-	-	-	-	-
[Other]	1	General Cost Inflation	-	-	-	-	-	-	-	-
<b>Subtotal Materials and Services</b>			-	230,600	237,988	245,612	253,480	261,601	269,981	278,631
<b>Subtotal Water Distribution</b>			775,610	905,760	939,187	973,916	1,010,001	1,047,497	1,086,463	1,126,960
<b>Water Production</b>										
Personnel Services										
60400 Public Works Director	3	Labor Cost Inflation	\$ -	\$ 13,770	\$ 14,192	\$ 14,627	\$ 15,076	\$ 15,538	\$ 16,015	\$ 16,506
60410 Administrative Aide	3	Labor Cost Inflation	-	2,310	2,381	2,454	2,529	2,607	2,687	2,769
60420 Clerical Assistant	3	Labor Cost Inflation	-	4,155	4,282	4,414	4,549	4,689	4,832	4,981
60430 City Engineer	3	Labor Cost Inflation	-	3,955	4,076	4,201	4,330	4,463	4,600	4,741
60450 Fleet and Facilities Manager	3	Labor Cost Inflation	-	3,580	3,690	3,803	3,920	4,040	4,164	4,291
60480 Water Production Supervisor	3	Labor Cost Inflation	-	69,850	71,796	73,987	76,256	78,594	81,004	83,488
60480 Utility Maintenance Workers	3	Labor Cost Inflation	-	115,785	119,336	122,995	126,766	130,654	134,660	138,790
61000 Season Worker	3	Labor Cost Inflation	-	4,690	4,834	4,982	5,135	5,292	5,455	5,622
61010 Regular Part-Time Worker	3	Labor Cost Inflation	-	-	-	-	-	-	-	-
61100 Overtime	4	Benefit Cost Inflation	-	5,500	5,775	6,064	6,367	6,685	7,020	7,371
62010 Workers' Compensation	4	Benefit Cost Inflation	-	7,535	7,912	8,307	8,723	9,159	9,617	10,098
62020 Unemployment	4	Benefit Cost Inflation	-	1,790	1,880	1,973	2,072	2,176	2,285	2,399
62030 FICA	4	Benefit Cost Inflation	-	17,090	17,945	18,842	19,784	20,773	21,812	22,902
63010 Life Insurance	4	Benefit Cost Inflation	-	145	152	160	168	176	185	194
63020 Retirement	4	Benefit Cost Inflation	-	44,980	47,229	49,590	52,070	54,673	57,407	60,278
63030 Disability Insurance	4	Benefit Cost Inflation	-	1,175	1,234	1,295	1,360	1,428	1,500	1,575
63040 Health Insurance	4	Benefit Cost Inflation	-	74,025	77,726	81,613	85,693	89,978	94,477	99,201
[Other]	1	General Cost Inflation	-	-	-	-	-	-	-	-
<b>Subtotal Water Production</b>			-	370,135	384,429	399,308	414,798	430,925	447,717	465,203
<b>Materials and Services</b>										
71000 Contractual Services	1	General Cost Inflation	\$ -	\$ 11,000	\$ 11,352	\$ 11,716	\$ 12,091	\$ 12,479	\$ 12,879	\$ 13,291
71500 Electricity	1	General Cost Inflation	-	72,000	74,307	76,687	79,144	81,679	84,296	86,997
71520 Telephone	1	General Cost Inflation	-	13,000	13,416	13,846	14,290	14,748	15,220	15,708

**City of Cottage Grove  
Water Utility  
Operating Revenue and Expend**

	Projection 2022	Projection 2023	Projection 2024	Projection 2025	Projection 2026	Projection 2027	Projection 2028	Projection 2029	Projection 2030
<b>Revenues</b>									
71540 Fuel and Lubricants	19,952	20,591	21,251	21,932	22,634	23,359	24,108	24,880	25,677
71560 Communications Service	1,870	1,930	1,992	2,056	2,122	2,190	2,260	2,332	2,407
71600 Postage	-	-	-	-	-	-	-	-	-
71700 Building Maint. And Repair	4,988	5,148	5,313	5,483	5,659	5,840	6,027	6,220	6,419
71710 Equipment Maint. And Repair	22,820	23,551	24,306	25,084	25,888	26,717	27,573	28,456	29,368
71720 Vehicle Maint. And Repair	9,352	9,652	9,961	10,280	10,610	10,950	11,300	11,662	12,036
71730 Radio Maint. And Repair	499	515	531	548	566	584	603	622	642
72000 Computer Service and Supplies	623	643	664	685	707	730	753	777	802
72010 Office Supplies	998	1,030	1,063	1,097	1,132	1,168	1,205	1,244	1,284
72100 Minor Equipment and Tools	8,729	9,009	9,297	9,595	9,902	10,220	10,547	10,885	11,234
72120 Equip. Rental and Lease	6,235	6,435	6,641	6,854	7,073	7,300	7,534	7,775	8,024
72400 Lab Tests and Supplies	1,247	1,287	1,328	1,371	1,415	1,460	1,507	1,555	1,605
72410 Treatment Chemical	1,247	1,287	1,328	1,371	1,415	1,460	1,507	1,555	1,605
72510 Safety Equipment	1,995	2,059	2,125	2,193	2,263	2,336	2,411	2,489	2,568
72600 Cleaning Supplies	1,496	1,544	1,594	1,645	1,698	1,752	1,808	1,866	1,926
73000 Sand and Gravel	12,470	12,869	13,282	13,707	14,146	14,600	15,067	15,550	16,048
73010 Asphalt and Concrete	3,741	3,861	3,985	4,112	4,244	4,380	4,520	4,665	4,814
73100 Water Pipe and Appurtenaces	81,055	83,651	86,331	89,097	91,951	94,897	97,937	101,075	104,313
73110 Hydrants	12,470	12,869	13,282	13,707	14,146	14,600	15,067	15,550	16,048
73120 Water Meters	18,705	19,304	19,923	20,561	21,220	21,899	22,601	23,325	24,072
73600 Misc. Supplies and Expenses	9,976	10,296	10,625	10,966	11,317	11,680	12,054	12,440	12,838
74300 Employee Medical Exams and Tests	-	-	-	-	-	-	-	-	-
[Other]	-	-	-	-	-	-	-	-	-
<b>Subtotal Materials and Services</b>	<b>287,557</b>	<b>296,789</b>	<b>306,276</b>	<b>316,088</b>	<b>326,215</b>	<b>336,665</b>	<b>347,451</b>	<b>358,582</b>	<b>370,069</b>
<b>Subtotal Water Distribution</b>	<b>1,169,051</b>	<b>1,212,802</b>	<b>1,258,283</b>	<b>1,305,566</b>	<b>1,354,726</b>	<b>1,405,842</b>	<b>1,458,996</b>	<b>1,514,274</b>	<b>1,571,766</b>
<b>Water Production</b>									
<b>Personnel Services</b>									
60400 Public Works Director	\$ 17,012	\$ 17,534	\$ 18,071	\$ 18,625	\$ 19,197	\$ 19,785	\$ 20,392	\$ 21,017	\$ 21,662
60410 Administrative Aide	2,854	2,941	3,032	3,125	3,220	3,319	3,421	3,526	3,634
60420 Clerical Assistant	5,133	5,291	5,453	5,620	5,792	5,970	6,153	6,342	6,536
60430 City Engineer	4,896	5,036	5,190	5,350	5,514	5,683	5,857	6,037	6,222
60450 Fleet and Facilities Manager	4,423	4,559	4,698	4,842	4,991	5,144	5,302	5,464	5,632
60460 Water Production Supervisor	96,048	98,687	91,407	94,210	97,098	100,076	103,145	106,308	109,568
60480 Utility Maintenance Workers	143,045	147,432	151,953	156,612	161,415	166,365	171,466	176,724	182,143
61000 Season Worker	5,794	5,972	6,155	6,344	6,538	6,739	6,945	7,158	7,378
61010 Regular Part-Time Worker	-	-	-	-	-	-	-	-	-
61100 Overtime	7,739	8,126	8,532	8,959	9,407	9,877	10,371	10,890	11,434
62010 Workers' Compensation	10,603	11,133	11,689	12,274	12,887	13,532	14,208	14,919	15,665
62020 Unemployment	2,519	2,645	2,777	2,916	3,062	3,215	3,375	3,544	3,721
62030 FICA	24,047	25,250	26,512	27,838	29,230	30,691	32,226	33,837	35,529
63010 Life Insurance	204	214	225	236	248	260	273	287	301
63020 Retirement	63,291	66,456	69,779	73,268	76,931	80,778	84,816	89,057	93,510
63030 Disability Insurance	1,653	1,736	1,823	1,914	2,010	2,110	2,216	2,326	2,443
63040 Health Insurance	104,161	109,369	114,837	120,579	126,608	132,938	139,585	146,564	153,893
[Other]	-	-	-	-	-	-	-	-	-
<b>Subtotal Water Production</b>	<b>493,413</b>	<b>502,379</b>	<b>522,133</b>	<b>542,711</b>	<b>564,148</b>	<b>586,482</b>	<b>609,752</b>	<b>634,001</b>	<b>659,270</b>
<b>Materials and Services</b>									
71000 Contractual Services	\$ 13,717	\$ 14,156	\$ 14,610	\$ 15,078	\$ 15,561	\$ 16,059	\$ 16,574	\$ 17,105	\$ 17,653
71500 Electricity	89,784	92,660	95,628	98,692	101,854	105,117	108,484	111,960	115,546
71520 Telephone	16,211	16,730	17,266	17,819	18,390	18,979	19,587	20,215	20,863

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**City of Cottage Grove**  
**Water Utility**  
**Operating Revenue and Expenditure Forecast**

Fiscal Year Ending 6/30:			Actual	Budget	Projection	Projection	Projection	Projection	Projection	Projection
Revenues			2014	2015	2016	2017	2018	2019	2020	2021
71540 Fuel and Lubricants	1	General Cost Inflation	-	6,000	6,192	6,391	6,595	6,807	7,025	7,250
71580 Communications Service	1	General Cost Inflation	-	400	413	426	440	454	468	483
71600 Postage	1	General Cost Inflation	-	-	-	-	-	-	-	-
71700 Building Maint. And Repair	1	General Cost Inflation	-	4,000	4,128	4,260	4,397	4,538	4,683	4,833
71710 Equipment Maint. And Repair	1	General Cost Inflation	-	22,000	22,705	23,432	24,183	24,958	25,757	26,582
71720 Vehicle Maint. And Repair	1	General Cost Inflation	-	2,000	2,064	2,130	2,198	2,269	2,342	2,417
71730 Radio Maint. And Repair	1	General Cost Inflation	-	500	516	533	550	567	585	604
71750 Meter Maint. And Repair	1	General Cost Inflation	-	500	516	533	550	567	585	604
72000 Computer Service and Supplies	1	General Cost Inflation	-	1,000	1,032	1,065	1,099	1,134	1,171	1,208
72010 Office Supplies	1	General Cost Inflation	-	500	516	533	550	567	585	604
72100 Minor Equipment and Tools	1	General Cost Inflation	-	1,800	1,858	1,917	1,979	2,042	2,107	2,175
72120 Equip. Rental and Lease	1	General Cost Inflation	-	1,000	1,032	1,065	1,099	1,134	1,171	1,208
72300 Building Supplies	1	General Cost Inflation	-	1,500	1,548	1,598	1,649	1,702	1,756	1,812
72400 Lab Tests and Supplies	1	General Cost Inflation	-	20,000	20,641	21,302	21,984	22,689	23,416	24,166
72410 Treatment Chemical	1	General Cost Inflation	-	43,000	44,378	45,799	47,266	48,781	50,343	51,956
72510 Safety Equipment	1	General Cost Inflation	-	300	310	320	330	340	351	362
73600 Misc. Supplies and Expenses	1	General Cost Inflation	-	3,000	3,096	3,195	3,298	3,403	3,512	3,625
74200 Education and Registration Fees	1	General Cost Inflation	-	-	-	-	-	-	-	-
[Other]	1	General Cost Inflation	-	-	-	-	-	-	-	-
<b>Subtotal Materials and Services</b>			-	203,500	210,019	216,748	223,691	230,858	238,253	245,886
<b>Subtotal Water Production</b>			517,827	573,635	594,448	616,055	638,489	661,783	685,971	711,089
<b>Non-Departmental</b>										
Materials and Services										
70030 Advertising	1	General Cost Inflation	\$ -	\$ 500	\$ 516	\$ 533	\$ 550	\$ 567	\$ 585	\$ 604
70040 Consumer Confidence Report	1	General Cost Inflation	-	2,500	2,580	2,663	2,748	2,836	2,927	3,021
70100 Audit Expense	1	General Cost Inflation	-	3,785	3,906	4,031	4,161	4,294	4,431	4,573
70400 Insurance and Bonds	1	General Cost Inflation	-	24,800	25,594	26,414	27,261	28,134	29,035	29,965
71600 Postage	1	General Cost Inflation	-	1,200	1,238	1,278	1,319	1,361	1,405	1,450
71610 Utility Billing Postage	1	General Cost Inflation	-	13,500	13,932	14,379	14,839	15,315	15,806	16,312
72000 Computer Programs and Supplies	1	General Cost Inflation	-	7,500	7,740	7,988	8,244	8,508	8,781	9,062
72010 Office Supplies	1	General Cost Inflation	-	3,000	3,096	3,195	3,298	3,403	3,512	3,625
72030 Books, Maps, and Periodicals	1	General Cost Inflation	-	300	310	320	330	340	351	362
73600 Miscellaneous Supplies	1	General Cost Inflation	-	200	206	213	220	227	234	242
74000 Program Fees and Dues	1	General Cost Inflation	-	500	516	533	550	567	585	604
74100 Professional Association Dues	1	General Cost Inflation	-	7,500	7,740	7,988	8,244	8,508	8,781	9,062
74200 Education and Registration Fees	1	General Cost Inflation	-	7,500	7,740	7,988	8,244	8,508	8,781	9,062
74210 Travel and Subsistence	1	General Cost Inflation	-	3,000	3,096	3,195	3,298	3,403	3,512	3,625
74300 Employee Medical Exams and Tests	1	General Cost Inflation	-	1,000	1,032	1,065	1,099	1,134	1,171	1,208
76133 Watershed Council	1	General Cost Inflation	-	2,500	2,580	2,663	2,748	2,836	2,927	3,021
79900 Administration Charges	1	General Cost Inflation	-	77,090	79,560	82,109	84,739	87,454	90,255	93,147
79910 Engineering Service Fees	1	General Cost Inflation	-	20,000	20,641	21,302	21,984	22,689	23,416	24,166
[Other]	1	General Cost Inflation	-	-	-	-	-	-	-	-
<b>Subtotal Non-Departmental</b>			154,617	176,375	182,025	187,857	193,875	200,086	206,496	213,111
<b>Capital Outlay</b>										
Water line upsiz program	2	Construction Cost Inflation	\$ -	\$ -	\$ -	\$ 130,726	\$ 135,955	\$ 141,393	\$ 147,049	\$ 152,931
[Other]	2	Construction Cost Inflation	-	-	-	-	-	-	-	-
<b>Subtotal Capital Outlay</b>			\$ -	\$ -	\$ -	\$ 130,726	\$ 135,955	\$ 141,393	\$ 147,049	\$ 152,931
<b>Cost of Additional FTEs and Vehicle Maintenance</b>			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**City of Cottage Grove  
Water Utility  
Operating Revenue and Expend**

	Projection 2022	Projection 2023	Projection 2024	Projection 2025	Projection 2026	Projection 2027	Projection 2028	Projection 2029	Projection 2030
<b>Revenues</b>									
71540 Fuel and Lubricants	7,482	7,722	7,969	8,224	8,488	8,760	9,040	9,330	9,629
71560 Communications Service	499	515	531	548	566	584	603	622	642
71600 Postage	-	-	-	-	-	-	-	-	-
71700 Building Maint. And Repair	4,988	5,148	5,313	5,483	5,659	5,840	6,027	6,220	6,419
71710 Equipment Maint. And Repair	27,434	28,313	29,220	30,156	31,122	32,119	33,148	34,210	35,306
71720 Vehicle Maint. And Repair	2,494	2,574	2,656	2,741	2,829	2,920	3,013	3,110	3,210
71730 Radio Maint. And Repair	623	643	664	685	707	730	753	777	802
71750 Meter Maint. And Repair	623	643	664	685	707	730	753	777	802
72000 Computer Service and Supplies	1,247	1,287	1,328	1,371	1,415	1,460	1,507	1,555	1,605
72010 Office Supplies	623	643	664	685	707	730	753	777	802
72100 Minor Equipment and Tools	2,245	2,316	2,391	2,467	2,546	2,628	2,712	2,799	2,889
72120 Equip. Rental and Lease	1,247	1,287	1,328	1,371	1,415	1,460	1,507	1,555	1,605
72300 Building Supplies	1,870	1,930	1,992	2,056	2,122	2,190	2,260	2,332	2,407
72400 Lab Tests and Supplies	24,940	25,739	26,563	27,414	28,293	29,199	30,135	31,100	32,096
72410 Treatment Chemical	53,621	55,339	57,111	58,941	60,829	62,778	64,789	66,865	69,007
72510 Safety Equipment	374	386	398	411	424	438	452	466	481
73600 Misc. Supplies and Expenses	3,741	3,861	3,985	4,112	4,244	4,380	4,520	4,665	4,814
74200 Education and Registration Fees	-	-	-	-	-	-	-	-	-
[Other]	-	-	-	-	-	-	-	-	-
<b>Subtotal Materials and Services</b>	<b>253,763</b>	<b>261,893</b>	<b>270,283</b>	<b>278,942</b>	<b>287,878</b>	<b>297,101</b>	<b>306,619</b>	<b>316,441</b>	<b>326,579</b>
<b>Subtotal Water Production</b>	<b>737,177</b>	<b>764,272</b>	<b>792,416</b>	<b>821,653</b>	<b>852,026</b>	<b>883,582</b>	<b>916,371</b>	<b>950,442</b>	<b>985,849</b>
<b>Non-Departmental</b>									
<b>Materials and Services</b>									
70030 Advertising	\$ 623	\$ 643	\$ 664	\$ 685	\$ 707	\$ 730	\$ 753	\$ 777	\$ 802
70040 Consumer Confidence Report	3,117	3,217	3,320	3,427	3,537	3,650	3,767	3,887	4,012
70100 Audit Expense	4,720	4,871	5,027	5,188	5,354	5,526	5,703	5,886	6,074
70400 Insurance and Bonds	30,925	31,916	32,939	33,994	35,083	36,207	37,367	38,564	39,799
71600 Postage	1,496	1,544	1,594	1,645	1,698	1,752	1,808	1,866	1,926
71610 Utility Billing Postage	16,834	17,374	17,930	18,505	19,098	19,709	20,341	20,992	21,665
72000 Computer Programs and Supplies	9,352	9,652	9,961	10,280	10,610	10,950	11,300	11,662	12,036
72010 Office Supplies	3,741	3,861	3,985	4,112	4,244	4,380	4,520	4,665	4,814
72030 Books, Maps, and Periodicals	374	386	398	411	424	438	452	466	481
73600 Miscellaneous Supplies	249	257	266	274	283	292	301	311	321
74000 Program Fees and Dues	623	643	664	685	707	730	753	777	802
74100 Professional Association Dues	9,352	9,652	9,961	10,280	10,610	10,950	11,300	11,662	12,036
74200 Education and Registration Fees	9,352	9,652	9,961	10,280	10,610	10,950	11,300	11,662	12,036
74210 Travel and Subsistence	3,741	3,861	3,985	4,112	4,244	4,380	4,520	4,665	4,814
74300 Employee Medical Exams and Tests	1,247	1,287	1,328	1,371	1,415	1,460	1,507	1,555	1,605
76133 Watershed Council	3,117	3,217	3,320	3,427	3,537	3,650	3,767	3,887	4,012
79900 Administration Charges	96,131	99,210	102,389	105,669	109,054	112,548	116,153	119,875	123,715
79910 Engineering Service Fees	24,940	25,739	26,563	27,414	28,293	29,199	30,135	31,100	32,096
[Other]	-	-	-	-	-	-	-	-	-
<b>Subtotal Non-Departmental</b>	<b>219,939</b>	<b>226,985</b>	<b>234,256</b>	<b>241,761</b>	<b>249,506</b>	<b>257,499</b>	<b>265,749</b>	<b>274,262</b>	<b>283,049</b>
<b>Capital Outlay</b>									
Water line upsze program	\$ 159,048	\$ 165,410	\$ 172,027	\$ 178,908	\$ 186,064	\$ 193,507	\$ 201,247	\$ 209,297	\$ 217,669
[Other]	-	-	-	-	-	-	-	-	-
<b>Subtotal Capital Outlay</b>	<b>\$ 159,048</b>	<b>\$ 165,410</b>	<b>\$ 172,027</b>	<b>\$ 178,908</b>	<b>\$ 186,064</b>	<b>\$ 193,507</b>	<b>\$ 201,247</b>	<b>\$ 209,297</b>	<b>\$ 217,669</b>
<b>Cost of Additional FTEs and Vehicle Maintenz</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**City of Cottage Grove  
Water Utility  
Operating Revenue and Expenditure Forecast**

<b>Revenues</b>	Fiscal Year Ending 6/30:	Actual 2014	Budget 2015	Projection 2016	Projection 2017	Projection 2018	Projection 2019	Projection 2020	Projection 2021
Total Cash O&M Expenditures		\$ 1,448,054	\$ 1,655,770	\$ 1,715,661	\$ 1,908,555	\$ 1,978,320	\$ 2,050,759	\$ 2,125,979	\$ 2,204,092
[a] Capital outlay to be expensed in current year.									
Depreciation Expense in 2013	\$ 436,911								
Depreciation Expense	<i>Last year's plus annual additions from CIP</i>	\$ 436,911	\$ 436,911	\$ 452,024	\$ 458,660	\$ 468,220	\$ 473,638	\$ 494,148	\$ 503,343
	<i>debt principal payments</i>	(422,767)	(401,157)	(414,332)	(432,870)	(456,732)	(465,739)	(486,253)	(507,529)
	<i>System Reinvestment Funding</i>	\$ 14,144	\$ 35,754	\$ 37,693	\$ 25,790	\$ 11,488	\$ 7,900	\$ 7,895	\$ (4,185)

**City of Cottage Grove  
Water Utility  
Operating Revenue and Expend**

<b>Revenues</b>	Projection 2022	Projection 2023	Projection 2024	Projection 2025	Projection 2026	Projection 2027	Projection 2028	Projection 2029	Projection 2030
Total Cash O&M Expenditures	\$ 2,285,214	\$ 2,369,469	\$ 2,456,982	\$ 2,547,887	\$ 2,642,322	\$ 2,740,430	\$ 2,842,363	\$ 2,948,276	\$ 3,058,332
[a] Capital outlay to be expensed in current year.									
Depreciation Expense in 2013									
Depreciation Expense	\$ 507,919	\$ 522,069	\$ 536,785	\$ 552,089	\$ 568,006	\$ 584,559	\$ 597,008	\$ 606,710	\$ 624,778
	(565,758)	(588,718)	(616,991)	(717,997)	(760,848)	(794,711)	(843,366)	(818,615)	(844,128)
	\$ (57,839)	\$ (66,650)	\$ (80,207)	\$ (165,908)	\$ (192,843)	\$ (210,152)	\$ (246,358)	\$ (211,905)	\$ (219,349)



**City of Cottage Grove  
Water Utility  
Existing Debt Input**

<b>Revenue Bonds</b>	<b>Fiscal Year Ending 6/30:</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	
<b>REVENUE BOND 1</b>										
Annual Interest Payment	\$	-	\$	-	\$	-	\$	-	\$	-
Annual Principal Payment		-		-		-		-		-
Total Annual Payment	\$	-	\$	-	\$	-	\$	-	\$	-
Use of Debt reserve for Debt Service			-		-		-		-	
<b>REVENUE BOND 2</b>										
Annual Interest Payment	\$	-	\$	-	\$	-	\$	-	\$	-
Annual Principal Payment		-		-		-		-		-
Total Annual Payment	\$	-	\$	-	\$	-	\$	-	\$	-
Use of Debt reserve for Debt Service			-		-		-		-	
<b>REVENUE BOND 3</b>										
Annual Interest Payment	\$	-	\$	-	\$	-	\$	-	\$	-
Annual Principal Payment		-		-		-		-		-
Total Annual Payment	\$	-	\$	-	\$	-	\$	-	\$	-
Use of Debt reserve for Debt Service			-		-		-		-	
<b>REVENUE BOND 4</b>										
Annual Interest Payment	\$	-	\$	-	\$	-	\$	-	\$	-
Annual Principal Payment		-		-		-		-		-
Total Annual Payment	\$	-	\$	-	\$	-	\$	-	\$	-
Use of Debt reserve for Debt Service			-		-		-		-	
<b>REVENUE BOND 5</b>										
Annual Interest Payment	\$	-	\$	-	\$	-	\$	-	\$	-
Annual Principal Payment		-		-		-		-		-
Total Annual Payment	\$	-	\$	-	\$	-	\$	-	\$	-
Use of Debt Reserve for Debt Service			-		-		-		-	
<b>TOTAL REVENUE BONDS</b>										
Annual Interest Payment	\$	-	\$	-	\$	-	\$	-	\$	-
Annual Principal Payment		-		-		-		-		-
Total Annual Payment	\$	-	\$	-	\$	-	\$	-	\$	-
Use of Debt reserve for Debt Service			-		-		-		-	
Annual Debt Reserve Target on Existing Revenue Bonds			-		-		-		-	

**City of Cottage Grove  
Water Utility  
Existing Debt Input**

<b>Revenue Bonds</b>	<b>Fiscal Year Ending 6/30:</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>
<b>REVENUE BOND 1</b>										
Annual Interest Payment	\$	-	\$	-	\$	-	\$	-	\$	-
Annual Principal Payment		-		-		-		-		-
Total Annual Payment	\$	-	\$	-	\$	-	\$	-	\$	-
Use of Debt reserve for Debt Service		-		-		-		-		-
<b>REVENUE BOND 2</b>										
Annual Interest Payment	\$	-	\$	-	\$	-	\$	-	\$	-
Annual Principal Payment		-		-		-		-		-
Total Annual Payment	\$	-	\$	-	\$	-	\$	-	\$	-
Use of Debt reserve for Debt Service		-		-		-		-		-
<b>REVENUE BOND 3</b>										
Annual Interest Payment	\$	-	\$	-	\$	-	\$	-	\$	-
Annual Principal Payment		-		-		-		-		-
Total Annual Payment	\$	-	\$	-	\$	-	\$	-	\$	-
Use of Debt reserve for Debt Service		-		-		-		-		-
<b>REVENUE BOND 4</b>										
Annual Interest Payment	\$	-	\$	-	\$	-	\$	-	\$	-
Annual Principal Payment		-		-		-		-		-
Total Annual Payment	\$	-	\$	-	\$	-	\$	-	\$	-
Use of Debt reserve for Debt Service		-		-		-		-		-
<b>REVENUE BOND 5</b>										
Annual Interest Payment	\$	-	\$	-	\$	-	\$	-	\$	-
Annual Principal Payment		-		-		-		-		-
Total Annual Payment	\$	-	\$	-	\$	-	\$	-	\$	-
Use of Debt Reserve for Debt Service		-		-		-		-		-
<b>TOTAL REVENUE BONDS</b>										
Annual Interest Payment	\$	-	\$	-	\$	-	\$	-	\$	-
Annual Principal Payment		-		-		-		-		-
Total Annual Payment	\$	-	\$	-	\$	-	\$	-	\$	-
Use of Debt reserve for Debt Service		-		-		-		-		-
Annual Debt Reserve Target on Existing Revenue Bonds		-		-		-		-		-

**City of Cottage Grove  
Water Utility  
Existing Debt Input**

<b>Loans</b>	<b>Fiscal Year Ending 6/30:</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
<b>City Shop</b>									
Annual Interest Payment		\$ 1,390	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		<u>65,899</u>	-	-	-	-	-	-	-
Total Annual Payment	20.00%	\$ 13,458	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Surcharge (Up River Compensation)</b>									
Annual Interest Payment		\$ 56,160	\$ 53,408	\$ 50,512	\$ 47,465	\$ 44,258	\$ 40,884	\$ 37,334	\$ 33,598
Annual Principal Payment		<u>52,654</u>	<u>55,406</u>	<u>58,302</u>	<u>61,349</u>	<u>64,556</u>	<u>67,930</u>	<u>71,480</u>	<u>75,216</u>
Total Annual Payment		\$ 108,814	\$ 108,814	\$ 108,814	\$ 108,814	\$ 108,814	\$ 108,814	\$ 108,814	\$ 108,814
<b>Vector Truck</b>									
Annual Interest Payment		\$ 1,980	\$ 105	\$ 900	\$ 730	\$ 556	\$ 376	\$ 191	\$ -
Annual Principal Payment		<u>65,820</u>	<u>16,733</u>	<u>5,651</u>	<u>5,820</u>	<u>5,995</u>	<u>6,175</u>	<u>6,360</u>	<u>-</u>
Total Annual Payment	3.22%	\$ 2,181	\$ 542	\$ 6,551	\$ 6,551	\$ 6,551	\$ 6,551	\$ 6,551	\$ -
<b>Water Treatment Plant</b>									
Annual Interest Payment		\$ 108,397	\$ 105,866	\$ 102,955	\$ 99,825	\$ 96,672	\$ 93,298	\$ 89,689	\$ 85,614
Annual Principal Payment		<u>72,329</u>	<u>72,760</u>	<u>78,271</u>	<u>78,802</u>	<u>84,354</u>	<u>84,928</u>	<u>90,562</u>	<u>91,262</u>
Total Annual Payment		\$ 180,726	\$ 178,626	\$ 181,226	\$ 178,627	\$ 181,026	\$ 178,226	\$ 180,251	\$ 176,876
<b>LOAN 4</b>									
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>LOAN 5</b>									
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL LOANS</b>									
Annual Interest Payment (water portion only)		164,899	159,277	153,496	147,313	140,949	134,195	127,029	119,211
Annual Principal Payment (water portion only)		<u>140,280</u>	<u>128,704</u>	<u>136,755</u>	<u>140,338</u>	<u>149,103</u>	<u>153,056</u>	<u>162,247</u>	<u>166,478</u>
Total Annual Payment (water portion only)		\$ 305,179	\$ 287,981	\$ 290,251	\$ 287,651	\$ 290,051	\$ 287,251	\$ 289,276	\$ 285,690

**City of Cottage Grove  
Water Utility  
Existing Debt Input**

<b>Loans</b>	<b>Fiscal Year Ending 6/30:</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>
<b>City Shop</b>										
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		-	-	-	-	-	-	-	-	-
Total Annual Payment	20.00%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Surcharge (Up River Compensation)</b>										
Annual Interest Payment		\$ 29,667	\$ 25,530	\$ 21,177	\$ 16,597	\$ 11,777	\$ 6,705	\$ 1,368	\$ -	\$ -
Annual Principal Payment		79,147	83,284	87,637	92,217	97,037	102,109	53,039	-	-
Total Annual Payment		\$ 108,814	\$ 108,814	\$ 108,814	\$ 108,814	\$ 108,814	\$ 108,814	\$ 54,407	\$ -	\$ -
<b>Vector Truck</b>										
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		-	-	-	-	-	-	-	-	-
Total Annual Payment	3.22%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Water Treatment Plant</b>										
Annual Interest Payment		\$ 81,963	\$ 77,117	\$ 71,979	\$ 67,634	\$ 62,164	\$ 56,107	\$ 50,036	\$ 43,342	\$ 37,101
Annual Principal Payment		96,913	102,759	108,647	109,393	115,362	121,431	127,503	138,684	139,750
Total Annual Payment		\$ 178,876	\$ 179,876	\$ 180,626	\$ 177,027	\$ 177,526	\$ 177,538	\$ 177,539	\$ 182,026	\$ 176,851
<b>LOAN 4</b>										
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		-	-	-	-	-	-	-	-	-
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>LOAN 5</b>										
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		-	-	-	-	-	-	-	-	-
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL LOANS</b>										
Annual Interest Payment (water portion only)		111,630	102,647	93,157	84,230	73,941	62,813	51,404	43,342	37,101
Annual Principal Payment (water portion only)		176,060	186,043	196,284	201,610	212,399	223,540	180,542	138,684	139,750
Total Annual Payment (water portion only)		\$ 287,690	\$ 288,690	\$ 289,440	\$ 285,841	\$ 286,340	\$ 286,352	\$ 231,946	\$ 182,026	\$ 176,851

**City of Cottage Grove  
Water Utility  
Existing Debt Input**

<b>Other Loans</b>	<b>Fiscal Year Ending 6/30:</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
<b>PERS</b>									
Annual Interest Payment	\$	138,071	\$ 143,457	\$ 152,046	\$ 157,564	\$ 166,456	\$ 175,855	\$ 170,881	\$ 99,828
Annual Principal Payment		<u>28,126</u>	<u>27,741</u>	<u>29,152</u>	<u>28,634</u>	<u>29,742</u>	<u>30,343</u>	<u>45,317</u>	<u>125,000</u>
Total Annual Payment	8.84%	\$ 14,692	\$ 15,134	\$ 16,018	\$ 16,460	\$ 17,344	\$ 18,228	\$ 19,112	\$ 19,875
<b>Water Treatment Plant (LOCAP)</b>									
Annual Interest Payment	\$	195,817	\$ 207,625	\$ 198,950	\$ 188,650	\$ 177,850	\$ 169,550	\$ 160,950	\$ 149,150
Annual Principal Payment		<u>255,000</u>	<u>245,000</u>	<u>250,000</u>	<u>265,000</u>	<u>275,000</u>	<u>280,000</u>	<u>290,000</u>	<u>300,000</u>
Total Annual Payment	\$	450,817	\$ 452,625	\$ 448,950	\$ 453,650	\$ 452,850	\$ 449,550	\$ 450,950	\$ 449,150
<b>Water Projects (LOCAP)</b>									
Annual Interest Payment	\$	25,680	\$ 27,413	\$ 26,538	\$ 25,538	\$ 24,438	\$ 23,538	\$ 22,638	\$ 21,438
Annual Principal Payment		<u>25,000</u>	<u>25,000</u>	<u>25,000</u>	<u>25,000</u>	<u>30,000</u>	<u>30,000</u>	<u>30,000</u>	<u>30,000</u>
Total Annual Payment	\$	50,680	\$ 52,413	\$ 51,538	\$ 50,538	\$ 54,438	\$ 53,538	\$ 52,638	\$ 51,438
<b>OTHER LOAN 4</b>									
Annual Interest Payment	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total Annual Payment	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>OTHER LOAN 5</b>									
Annual Interest Payment	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total Annual Payment	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL OTHER LOANS</b>									
Annual Interest Payment (water portion only)	\$	233,702	\$ 247,719	\$ 238,928	\$ 228,116	\$ 217,002	\$ 208,633	\$ 198,693	\$ 179,412
Annual Principal Payment (water portion only)		<u>282,486</u>	<u>272,452</u>	<u>277,577</u>	<u>292,531</u>	<u>307,629</u>	<u>312,682</u>	<u>324,006</u>	<u>341,050</u>
Total Annual Payment (water portion only)	\$	516,189	\$ 520,171	\$ 516,505	\$ 520,647	\$ 524,631	\$ 521,315	\$ 522,699	\$ 520,462

**City of Cottage Grove  
Water Utility  
Existing Debt Input**

<b>Other Loans</b>	<b>Fiscal Year Ending 6/30:</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>
<b>PERS</b>										
Annual Interest Payment		\$ 91,265	\$ 81,333	\$ 70,030	\$ 57,358	\$ 43,498	\$ 27,400	\$ 9,248	\$ -	\$ -
Annual Principal Payment		<u>145,000</u>	<u>165,000</u>	<u>185,000</u>	<u>210,000</u>	<u>235,000</u>	<u>265,000</u>	<u>135,000</u>	-	-
Total Annual Payment	8.84%	\$ 20,886	\$ 21,776	\$ 22,545	\$ 23,634	\$ 24,619	\$ 25,848	\$ 12,751	\$ -	\$ -
<b>Water Treatment Plant (LOCAP)</b>										
Annual Interest Payment		\$ 137,850	\$ 124,050	\$ 110,325	\$ 94,225	\$ 75,975	\$ 58,800	\$ 42,800	\$ 26,100	\$ 8,800
Annual Principal Payment		<u>315,000</u>	<u>325,000</u>	<u>340,000</u>	<u>355,000</u>	<u>375,000</u>	<u>390,000</u>	<u>410,000</u>	<u>425,000</u>	<u>440,000</u>
Total Annual Payment		\$ 452,850	\$ 449,050	\$ 450,325	\$ 449,225	\$ 450,975	\$ 448,800	\$ 452,800	\$ 451,100	\$ 448,800
<b>Water Projects (LOCAP)</b>										
Annual Interest Payment		\$ 20,138	\$ 18,738	\$ 17,294	\$ 15,675	\$ 13,800	\$ 12,000	\$ 10,400	\$ 8,700	\$ 6,900
Annual Principal Payment		<u>35,000</u>	<u>35,000</u>	<u>35,000</u>	<u>35,000</u>	<u>40,000</u>	<u>40,000</u>	<u>40,000</u>	<u>45,000</u>	<u>45,000</u>
Total Annual Payment		\$ 55,138	\$ 53,738	\$ 52,294	\$ 50,675	\$ 53,800	\$ 52,000	\$ 50,400	\$ 53,700	\$ 51,900
<b>OTHER LOAN 4</b>										
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>OTHER LOAN 5</b>										
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL OTHER LOANS</b>										
Annual Interest Payment (water portion only)		\$ 166,055	\$ 149,977	\$ 133,809	\$ 114,970	\$ 93,620	\$ 73,222	\$ 54,017	\$ 34,800	\$ 15,700
Annual Principal Payment (water portion only)		<u>362,818</u>	<u>374,586</u>	<u>391,354</u>	<u>408,564</u>	<u>435,774</u>	<u>453,426</u>	<u>461,934</u>	<u>470,000</u>	<u>485,000</u>
Total Annual Payment (water portion only)		\$ 528,873	\$ 524,563	\$ 525,163	\$ 523,534	\$ 529,394	\$ 526,648	\$ 515,951	\$ 504,800	\$ 500,700

**City of Cottage Grove  
Water Utility  
Capital Improvement Program**

Cumulative Construction Cost Inflation ==>

Project Costs in Year:	2015	100.0	(Project costs are escalated using Construction Cost Inflation assumptions)
Escalate Project Costs to Base Year:	2015	100.0	(Project costs are escalated using Construction Cost Inflation assumptions)

No	Description	Project Costs in 2015 dollars.			Year	Life in Years	Specific Funding Source		TOTAL ESCALATED COSTS
		Existing Costs	Growth (SDC)	Total			1-Enterprise Fund,	2-Grants & Developer Donations	
1	New Taylor Ave. Pump Station	\$ 902,262		\$ 902,262	2016	75	1	Enterprise Fund	\$ 938,352
2	Backup generator at Holly Pump Station	162,874		162,874	2016	75	1	Enterprise Fund	169,389
3	Demolish Landess Pump Station	24,776		24,776	2016	75	1	Enterprise Fund	25,767
4	Update 1998 Water Master Plan	75,080		75,080	2017	75	1	Enterprise Fund	81,207
5	12 inch from intersection of N. River Road/Main Street to intersection of 5th Street	88,594		88,594	2017	75	1	Enterprise Fund	95,824
6	8 inch to loop City Hall (160 ft)	11,212		11,212	2017	75	1	Enterprise Fund	12,127
7	12 inch on South River Road from Nellis Place to Harrison Avenue (2850 ft)	285,204		285,204	2017	75	1	Enterprise Fund	308,477
8	12 inch on Bryant from "R" Street to South River Road	126,084		126,084	2019	75	1	Enterprise Fund	147,501
9	12 inch on South 4th Street from Harrison to Hayes (3,060 ft)	306,176		306,176	2021	75	1	Enterprise Fund	387,411
10	12-inch from Reservoir to Main Street/Whiteaker Avenue (2,450 feet)	245,161		245,161	2018	75	1	Enterprise Fund	275,773
11	12 inch on Cottage Grove Connector from Highway 99 to Row River Road	212,126		212,126	2028	75	1	Enterprise Fund	353,206
12	12 inch on 16th Street from Cottage Grove Connector to Washington Avenue	392,268		392,268	2018	75	1	Enterprise Fund	441,248
13	12 inch on "M" Street from Main to Bryant	75,180		75,180	2019	75	1	Enterprise Fund	87,950
14	12 inch on "N" Street from Bryant to Clark	4,004		4,004	2019	75	1	Enterprise Fund	4,684
15	12 inch on Washington Avenue from 3rd to 5th St.	43,835		43,835	2022	75	1	Enterprise Fund	57,684
16	12 inch on Taylor Avenue from 9th to 10th St.	53,857		53,857	2022	75	1	Enterprise Fund	70,873
17	12 inch on Taylor Avenue from 4th to 6th St.	50,053		50,053	2022	75	1	Enterprise Fund	65,867
18	12 inch on Main from "R" to "M" Streets	142,101		142,101	2019	75	1	Enterprise Fund	166,239
19	12 inch on 6th Street from Taylor to Grant Ave.	113,071		113,071	2022	75	1	Enterprise Fund	148,793
20	8 inch on 10th Street from Hwy. 99 to Villard Ave.	114,172		114,172	2021	75	1	Enterprise Fund	144,464
21	8 inch on Main Street from 12th to Gateway Blvd.	124,670		124,670	2021	75	1	Enterprise Fund	157,747
22	8 inch on 12th Street from Jefferson to Adams Ave.	15,416		15,416	2028	75	1	Enterprise Fund	25,669
23	New 3.1 MG Reservoir (West Side)	3,877,183		3,877,183		75	1	Enterprise Fund	5,748,010
24	Add filter package at Row River Water Treatment to increase 2 MGD in capacity	1,264,298		1,264,298	2020	75	1	Enterprise Fund	1,538,211
25	12 inch on Blue Sky Drive from Harrison to Sweet Lane	213,127		213,127	2028	75	1	Enterprise Fund	354,872
26	12 inch on Sweet Lane from Highway 99 to Blue Sky Drive (1200 feet remaining)	120,078		120,078	2028	75	1	Enterprise Fund	199,939
27	12 inch on Cleveland Ave. from Highway 99 to I-5	396,222		396,222	2030	75	1	Enterprise Fund	713,574
28	12 inch along Gateway Blvd. from Taylor to Cleveland	356,230		356,230	2030	75	1	Enterprise Fund	641,550
29	12 inch on South 6th from Grant to Cleveland	181,143		181,143	2029	75	1	Enterprise Fund	313,681
30	McFarland Butte, 1.25 MG Reservoir	1,563,417		1,563,417	*(2031-2033)	75	1	Enterprise Fund	-
31	Knox Hill, 1.05 MG Reservoir	1,313,250		1,313,250	*(2034-2035)	75	1	Enterprise Fund	-

PREPARED BY FCS GROUP, INC.  
(425) 867-1802

Cottage Grove Water Model v13  
7/31/2015 11:58 AM

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**City of Cottage Grove  
Water Utility  
Capital Improvement Program**

	-2.27%	0.00%	4.00%	8.16%
Project Costs in Year:				
Escalate Project Costs to Base Year:				

No	Description	2014	2015	2016	2017
1	New Taylor Ave. Pump Station	\$ -	\$ -	\$ 938,352	\$ -
2	Backup generator at Holly Pump Station	-	-	169,389	-
3	Demolish Landless Pump Station	-	-	25,767	-
4	Update 1998 Water Master Plan	-	-	-	81,207
5	12 inch from intersection of N. River Road/Main Street to intersection of 5th Street	-	-	-	95,824
6	8 inch to loop City Hall (160 ft)	-	-	-	12,127
7	12 inch on South River Road from Nellis Place to Harrison Avenue (2850 ft)	-	-	-	308,477
8	12 inch on Bryant from "R" Street to South River Road	-	-	-	-
9	12 inch on South 4th Street from Harrison to Hayes (3,060 ft)	-	-	-	-
10	12-inch from Reservoir to Main Street/Whiteaker Avenue (2,450 feet)	-	-	-	-
11	12 inch on Cottage Grove Connector from Highway 99 to Row River Road	-	-	-	-
12	12 inch on 16th Street from Cottage Grove Connector to Washington Avenue	-	-	-	-
13	12 inch on "M" Street from Main to Bryant	-	-	-	-
14	12 inch on "N" Street from Bryant to Clark	-	-	-	-
15	12 inch on Washington Avenue from 3rd to 5th St.	-	-	-	-
16	12 inch on Taylor Avenue from 8th to 10th St.	-	-	-	-
17	12 inch on Taylor Avenue from 4th to 6th St.	-	-	-	-
18	12 inch on Main from "R" to "M" Streets	-	-	-	-
19	12 inch on 6th Street from Taylor to Grant Ave.	-	-	-	-
20	8 inch on 10th Street from Hwy. 99 to Villard Ave.	-	-	-	-
21	8 inch on Main Street from 12th to Gateway Blvd.	-	-	-	-
22	8 inch on 12th Street from Jefferson to Adams Ave.	-	-	-	-
23	New 3.1 MG Reservoir (West Side)	-	-	-	-
24	Add filter package at Row River Water Treatment to increase 2 MGD in capacity	-	-	-	-
25	12 inch on Blue Sky Drive from Harrison to Sweet Lane	-	-	-	-
26	12 inch on Sweet Lane from Highway 99 to Blue Sky Drive (1200 feet remaining)	-	-	-	-
27	12 inch on Cleveland Ave. from Highway 99 to I-5	-	-	-	-
28	12 inch along Gateway Blvd. from Taylor to Cleveland	-	-	-	-
29	12 inch on South 6th from Grant to Cleveland	-	-	-	-
30	McFarland Butte, 1.25 MG Reservoir	-	-	-	-
31	Knox Hill, 1.05 MG Reservoir	-	-	-	-



**City of Cottage Grove  
Water Utility  
Capital Improvement Program**

	12.49%	16.99%	21.67%	26.53%	31.59%	36.86%	42.33%	48.02%	53.95%
Project Costs in Year:									
Escalate Project Costs to Base Year:									

No	Description	2018	2019	2020	2021	2022	2023	2024	2025	2026
1	New Taylor Ave. Pump Station	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2	Backup generator at Holly Pump Station	-	-	-	-	-	-	-	-	-
3	Demolish Landess Pump Station	-	-	-	-	-	-	-	-	-
4	Update 1998 Water Master Plan	-	-	-	-	-	-	-	-	-
5	12 inch from intersection of N. River Road/Main Street to intersection of 5th Stre	-	-	-	-	-	-	-	-	-
6	8 inch to loop City Hall (160 ft)	-	-	-	-	-	-	-	-	-
7	12 inch on South River Road from Nellis Place to Harrison Avenue (2850 ft)	-	-	-	-	-	-	-	-	-
8	12 inch on Bryant from "R" Street to South River Road	-	147,501	-	-	-	-	-	-	-
9	12 inch on South 4th Street from Harrison to Hayes (3,060 ft)	-	-	-	387,411	-	-	-	-	-
10	12-inch from Reservoir to Main Street/Whiteaker Avenue (2,450 feet)	275,773	-	-	-	-	-	-	-	-
11	12 inch on Cottage Grove Connector from Highway 99 to Row River Road	-	-	-	-	-	-	-	-	-
12	12 inch on 16th Street from Cottage Grove Connector to Washington Avenue	441,248	-	-	-	-	-	-	-	-
13	12 inch on "M" Street from Main to Bryant	-	87,950	-	-	-	-	-	-	-
14	12 inch on "N" Street from Bryant to Clark	-	4,684	-	-	-	-	-	-	-
15	12 inch on Washington Avenue from 3rd to 5th St.	-	-	-	-	57,684	-	-	-	-
16	12 inch on Taylor Avenue from 8th to 10th St.	-	-	-	-	70,873	-	-	-	-
17	12 inch on Taylor Avenue from 4th to 6th St.	-	-	-	-	65,867	-	-	-	-
18	12 inch on Main from "R" to "M" Streets	-	166,239	-	-	-	-	-	-	-
19	12 inch on 6th Street from Taylor to Grant Ave.	-	-	-	-	148,793	-	-	-	-
20	8 inch on 10th Street from Hwy. 99 to Villard Ave.	-	-	-	144,464	-	-	-	-	-
21	8 inch on Main Street from 12th to Gateway Blvd.	-	-	-	157,747	-	-	-	-	-
22	8 inch on 12th Street from Jefferson to Adams Ave.	-	-	-	-	-	-	-	-	-
23	New 3.1 MG Reservoir (West Side)	-	-	-	-	-	1,061,238	1,103,688	1,147,836	1,193,749
24	Add filter package at Row River Water Treatment to increase 2 MGD in capacity	-	-	1,538,211	-	-	-	-	-	-
25	12 inch on Blue Sky Drive from Harrison to Sweet Lane	-	-	-	-	-	-	-	-	-
26	12 inch on Sweet Lane from Highway 99 to Blue Sky Drive (1200 feet remaining)	-	-	-	-	-	-	-	-	-
27	12 inch on Cleveland Ave. from Highway 99 to I-5	-	-	-	-	-	-	-	-	-
28	12 inch along Gateway Blvd. from Taylor to Cleveland	-	-	-	-	-	-	-	-	-
29	12 inch on South 6th from Grant to Cleveland	-	-	-	-	-	-	-	-	-
30	McFarland Butte, 1.25 MG Reservoir	-	-	-	-	-	-	-	-	-
31	Knox Hill, 1.05 MG Reservoir	-	-	-	-	-	-	-	-	-

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**City of Cottage Grove  
Water Utility  
Capital Improvement Program**

	60.10%	66.51%	73.17%	80.09%
Project Costs in Year:				
Escalate Project Costs to Base Year:				

No	Description	2027	2028	2029	2030
1	New Taylor Ave. Pump Station	\$ -	\$ -	\$ -	\$ -
2	Backup generator at Holly Pump Station	-	-	-	-
3	Demolish Landess Pump Station	-	-	-	-
4	Update 1998 Water Master Plan	-	-	-	-
5	12 inch from intersection of N. River Road/Main Street to intersection of 5th Stre	-	-	-	-
6	8 inch to loop City Hall (160 ft)	-	-	-	-
7	12 inch on South River Road from Nellis Place to Harrison Avenue (2850 ft)	-	-	-	-
8	12 inch on Bryant from "R" Street to South River Road	-	-	-	-
9	12 inch on South 4th Street from Harrison to Hayes (3,060 ft)	-	-	-	-
10	12-inch from Reservoir to Main Street/Whiteaker Avenue (2,450 feet)	-	-	-	-
11	12 inch on Cottage Grove Connector from Highway 99 to Row River Road	-	353,206	-	-
12	12 inch on 16th Street from Cottage Grove Connector to Washington Avenue	-	-	-	-
13	12 inch on "M" Street from Main to Bryant	-	-	-	-
14	12 inch on "N" Street from Bryant to Clark	-	-	-	-
15	12 inch on Washington Avenue from 3rd to 5th St.	-	-	-	-
16	12 inch on Taylor Avenue from 8th to 10th St.	-	-	-	-
17	12 inch on Taylor Avenue from 4th to 8th St.	-	-	-	-
18	12 inch on Main from "R" to "M" Streets	-	-	-	-
19	12 inch on 6th Street from Taylor to Grant Ave.	-	-	-	-
20	8 inch on 10th Street from Hwy. 99 to Villard Ave.	-	-	-	-
21	8 inch on Main Street from 12th to Gateway Blvd.	-	-	-	-
22	8 inch on 12th Street from Jefferson to Adams Ave.	-	25,669	-	-
23	New 3.1 MG Reservoir (West Side)	1,241,499	-	-	-
24	Add filter package at Row River Water Treatment to increase 2 MGD in capacity	-	-	-	-
25	12 inch on Blue Sky Drive from Harrison to Sweet Lane	-	354,872	-	-
26	12 inch on Sweet Lane from Highway 99 to Blue Sky Drive (1200 feet remaining)	-	199,939	-	-
27	12 inch on Cleveland Ave. from Highway 99 to I-5	-	-	-	713,574
28	12 inch along Gateway Blvd. from Taylor to Cleveland	-	-	-	641,550
29	12 inch on South 6th from Grant to Cleveland	-	-	313,681	-
30	McFarland Butte, 1.25 MG Reservoir	-	-	-	-
31	Knox Hill, 1.05 MG Reservoir	-	-	-	-

**City of Cottage Grove  
Water Utility  
Capital Improvement Program**

Cumulative Construction Cost Inflation ==>

Project Costs in Year:	2015	100.0	(Project costs are escalated using Construction Cost Inflation assumptions)
Escalate Project Costs to Base Year:	2015	100.0	(Project costs are escalated using Construction Cost Inflation assumptions)

No	Description	Project Costs in 2015 dollars.			Year	Life in Years	Specific Funding Source		TOTAL ESCALATED COSTS
		Existing Costs	Growth (SDC)	Total			1-Enterprise Fund,	2-Grants & Developer Donations	
32	12 inch on Highway 99 from S. River Road to Riverwalk Subdivision (1300 ft)	130,089		130,089	2029	75	1	Enterprise Fund	225,271
33	8 inch on South 10th Street & Johnson Avenue (125 feet)	8,759		8,759	2029	75	1	Enterprise Fund	15,168
34	8 inch on North "O" Street from Ash to Birch (360 feet)	25,227		25,227	2029	75	1	Enterprise Fund	43,685
35	8 inch on Ash Avenue from "O" to "Q" (640 feet)	44,848		44,848	2029	75	1	Enterprise Fund	77,662
36	8 inch on Daugherty from end to S. River Road (430 feet)	30,132		30,132	2029	75	1	Enterprise Fund	52,179
37	Yearly Program to upsize all water lines less than 8 inches in diameter to 8 inch	-		-	*In O&M	75	1	Enterprise Fund	-
<b>Total Capital Projects</b>		\$ 13,092,181	\$ -	\$ 13,092,181					\$ 14,090,053
Total R&R Projects									14,090,053
Total SDC Eligible Projects									-
Projects by Grants / Developer Donations		-	-	-					-
Projects by Enterprise Fund		13,092,181	-	13,092,181					14,090,053

**City of Cottage Grove  
Water Utility  
Capital Improvement Program**

	-2.27%	0.00%	4.00%	8.16%
Project Costs in Year:				
Escalate Project Costs to Base Year:				

No	Description	2014	2015	2016	2017
32	12 inch on Highway 99 from S. River Road to Riverwalk Subdivision (1300 ft)	-	-	-	-
33	8 inch on South 10th Street & Johnson Avenue (125 feet)	-	-	-	-
34	8 inch on North "O" Street from Ash to Birch (360 feet)	-	-	-	-
35	8 inch on Ash Avenue from "O" to "Q" (640 feet)	-	-	-	-
36	8 inch on Daugherty from end to S. River Road (430 feet)	-	-	-	-
37	Yearly Program to upsize all water lines less than 8 inches in diameter to 8 inch	-	-	-	-
<b>Total Capital Projects</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,133,508</b>	<b>\$ 497,634</b>
Total R&R Projects		-	-	1,133,508	497,634
Total SDC Eligible Projects		-	-	-	-
Projects by Grants / Developer Donations		-	-	-	-
Projects by Enterprise Fund		-	-	1,133,508	497,634

**City of Cottage Grove  
Water Utility  
Capital Improvement Program**

	12.49%	16.99%	21.67%	26.53%	31.59%	36.86%	42.33%	48.02%	53.95%
Project Costs in Year:									
Escalate Project Costs to Base Year:									

No	Description	2018	2019	2020	2021	2022	2023	2024	2025	2026
32	12 inch on Highway 99 from S. River Road to Rivenwalk Subdivision (1300 ft)	-	-	-	-	-	-	-	-	-
33	8 inch on South 10th Street & Johnson Avenue (125 feet)	-	-	-	-	-	-	-	-	-
34	8 inch on North "O" Street from Ash to Birch (360 feet)	-	-	-	-	-	-	-	-	-
35	8 inch on Ash Avenue from "O" to "Q" (640 feet)	-	-	-	-	-	-	-	-	-
36	8 inch on Daugherty from end to S. River Road (430 feet)	-	-	-	-	-	-	-	-	-
37	Yearly Program to upsize all water lines less than 8 inches in diameter to 8 inch	-	-	-	-	-	-	-	-	-
<b>Total Capital Projects</b>		<b>\$ 717,021</b>	<b>\$ 406,374</b>	<b>\$ 1,538,211</b>	<b>\$ 689,622</b>	<b>\$ 343,216</b>	<b>\$ 1,061,238</b>	<b>\$ 1,103,688</b>	<b>\$ 1,147,836</b>	<b>\$ 1,193,749</b>
Total R&R Projects		717,021	406,374	1,538,211	689,622	343,216	1,061,238	1,103,688	1,147,836	1,193,749
Total SDC Eligible Projects		-	-	-	-	-	-	-	-	-
Projects by Grants / Developer Donations		-	-	-	-	-	-	-	-	-
Projects by Enterprise Fund		717,021	406,374	1,538,211	689,622	343,216	1,061,238	1,103,688	1,147,836	1,193,749

**City of Cottage Grove  
Water Utility  
Capital Improvement Program**

	60.10%	66.51%	73.17%	80.09%
Project Costs in Year:				
Escalate Project Costs to Base Year:				

No	Description	2027	2028	2029	2030
32	12 inch on Highway 99 from S. River Road to Riverwalk Subdivision (1300 ft)	-	-	225,271	-
33	8 inch on South 10th Street & Johnson Avenue (125 feet)	-	-	15,168	-
34	8 inch on North "O" Street from Ash to Birch (360 feet)	-	-	43,685	-
35	8 inch on Ash Avenue from "O" to "Q" (640 feet)	-	-	77,662	-
36	8 inch on Daugherty from end to S. River Road (430 feet)	-	-	52,179	-
37	Yearly Program to upsize all water lines less than 8 inches in diameter to 8 inch	-	-	-	-
<b>Total Capital Projects</b>		<b>\$ 1,241,499</b>	<b>\$ 933,686</b>	<b>\$ 727,647</b>	<b>\$ 1,355,124</b>
Total R&R Projects		1,241,499	933,686	727,647	1,355,124
Total SDC Eligible Projects		-	-	-	-
Projects by Grants / Developer Donations		-	-	-	-
Projects by Enterprise Fund		1,241,499	933,686	727,647	1,355,124

**City of Cottage Grove**  
**Water Utility**  
**Capital Funding Analysis**

Summary of Expenditures	Fiscal Year Ending 6/30:									
	2014	2015	2016	2017	2018	2019	2020	2021	2022	
SDC Eligible Project Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
R&R Project Costs	-	-	1,133,508	497,634	717,021	406,374	1,538,211	689,622	343,216	
Subtotal: Project Costs (Building & Improvements)	\$ -	\$ -	\$ 1,133,508	\$ 497,634	\$ 717,021	\$ 406,374	\$ 1,538,211	\$ 689,622	\$ 343,216	
Internal Service Fund Transfer										
Street Fund Transfer										
Supplemental Budget (Materials/Svsc)										
Capital Equip. & Project Fund Transfer										
Capitalized Labor (Add'l Positions)										
<b>TOTAL CAPITAL EXPENDITURES</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,133,508</b>	<b>\$ 497,634</b>	<b>\$ 717,021</b>	<b>\$ 406,374</b>	<b>\$ 1,538,211</b>	<b>\$ 689,622</b>	<b>\$ 343,216</b>	

Capital Financing Plan	Fiscal Year Ending 6/30:									
	2014	2015	2016	2017	2018	2019	2020	2021	2022	
Project-Specific Grants / Developer Donations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Costs Remaining to be Funded	-	-	1,133,508	497,634	717,021	406,374	1,538,211	689,622	343,216	
<b>OTHER FUNDING SOURCES [NOTE A]</b>										
Existing State Loan Proceeds										
State Loan Proceeds										
Other Loan Proceeds										
Capital Fund Balance	-	-	1,133,508	497,634	717,021	406,374	1,538,211	656,987	343,216	
Revenue Bond Proceeds [Note B]	-	-	-	-	-	-	-	-	-	
Rates								32,634		
Total	\$ -	\$ -	\$ 1,133,508	\$ 497,634	\$ 717,021	\$ 406,374	\$ 1,538,211	\$ 689,622	\$ 343,216	
<b>TOTAL CAPITAL RESOURCES</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,133,508</b>	<b>\$ 497,634</b>	<b>\$ 717,021</b>	<b>\$ 406,374</b>	<b>\$ 1,538,211</b>	<b>\$ 689,622</b>	<b>\$ 343,216</b>	
Info: Capital Contingency Deficit										

**NOTE A: SELECTION OF FUNDING SOURCE FOR REMAINING CAPITAL FUNDING NEEDS**

Select the Residual Funding Source:  Revenue Bond Proceeds

1 - Revenue Bond Proceeds  
2 - Rates

**NOTE B: USER INPUT FOR REVENUE BOND PROCEEDS**

Select Amount of Bond Proceeds:  User Defined

1 - Amounts at Right ==> \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ 770,000  
2 - Calculated by the Model

**City of Cottage Grove  
Water Utility  
Capital Funding Analysis**

Summary of Expenditures	Fiscal Year								
	2023	2024	2025	2026	2027	2028	2029	2030	
SDC Eligible Project Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
R&R Project Costs	1,061,238	1,103,688	1,147,836	1,193,749	1,241,499	933,686	727,647	1,355,124	
Subtotal: Project Costs (Building & Improvements)	\$ 1,061,238	\$ 1,103,688	\$ 1,147,836	\$ 1,193,749	\$ 1,241,499	\$ 933,686	\$ 727,647	\$ 1,355,124	
Internal Service Fund Transfer	-	-	-	-	-	-	-	-	-
Street Fund Transfer	-	-	-	-	-	-	-	-	-
Supplemental Budget (Materials/Svsc)	-	-	-	-	-	-	-	-	-
Capital Equip. & Project Fund Transfer	-	-	-	-	-	-	-	-	-
Capitalized Labor (Add'l Positions)	-	-	-	-	-	-	-	-	-
<b>TOTAL CAPITAL EXPENDITURES</b>	<b>\$ 1,061,238</b>	<b>\$ 1,103,688</b>	<b>\$ 1,147,836</b>	<b>\$ 1,193,749</b>	<b>\$ 1,241,499</b>	<b>\$ 933,686</b>	<b>\$ 727,647</b>	<b>\$ 1,355,124</b>	

Capital Financing Plan	Fiscal Year								
	2023	2024	2025	2026	2027	2028	2029	2030	
Project-Specific Grants / Developer Donations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Costs Remaining to be Funded	1,061,238	1,103,688	1,147,836	1,193,749	1,241,499	933,686	727,647	1,355,124	
<b>OTHER FUNDING SOURCES [NOTE A]</b>									
Existing State Loan Proceeds									
State Loan Proceeds									
Other Loan Proceeds									
Capital Fund Balance	1,061,238	1,028,013	471,549	1,193,749	1,070,783	266,889	727,647	1,355,124	
Revenue Bond Proceeds [Note B]	-	-	676,287	-	-	666,798	-	-	
Rates	-	75,675	-	-	170,716	-	-	-	
Total	\$ 1,061,238	\$ 1,103,688	\$ 1,147,836	\$ 1,193,749	\$ 1,241,499	\$ 933,686	\$ 727,647	\$ 1,355,124	
<b>TOTAL CAPITAL RESOURCES</b>	<b>\$ 1,061,238</b>	<b>\$ 1,103,688</b>	<b>\$ 1,147,836</b>	<b>\$ 1,193,749</b>	<b>\$ 1,241,499</b>	<b>\$ 933,686</b>	<b>\$ 727,647</b>	<b>\$ 1,355,124</b>	
Info: Capital Contingency Deficit	-	-	-	-	-	-	-	-	

**NOTE A: SELECTION OF FUNDING SOURCE FOR REMAINING C**

Select the Residual Funding Source

- 1 - Revenue Bond Proceeds
- 2 - Rates

**NOTE B: USER INPUT FOR REVENUE BOND PROCEEDS**

Select Amount of Bond Proceeds

- 1 - Amounts at Right ==> \$ - \$ - \$ 2,210,000 \$ - \$ - \$ 2,230,000 \$ - \$ -
- 2 - Calculated by the Model



**City of Cottage Grove  
Water Utility  
Capital Funding Analysis**

New Debt Computations	Fiscal Year Ending 6/30:										
	2014	2015	2016	2017	2018	2019	2020	2021	2022		
<b>REVENUE BONDS</b>											
Amount to Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	770,000
Issuance Costs	-	-	-	-	-	-	-	-	-	-	8,433
Reserve Required	-	-	-	-	-	-	-	-	-	-	64,827
Amount of Debt Issue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	843,259
<b>OTHER LOANS (SRF)</b>											
Amount to Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Issuance Costs	-	-	-	-	-	-	-	-	-	-	-
Amount of Debt Issue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
<b>PWTF LOAN</b>											
Amount to Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
<b>Debt Service Summary</b>											
Debt Service Summary	Fiscal Year Ending 6/30:										
	2014	2015	2016	2017	2018	2019	2020	2021	2022		
<b>EXISTING DEBT SERVICE</b>											
Annual Interest Payments	\$ 398,601	\$ 406,996	\$ 392,425	\$ 375,429	\$ 357,951	\$ 342,828	\$ 325,722	\$ 298,624	\$ 277,685	\$	277,685
Annual Principal Payments	422,767	401,157	414,332	432,870	456,732	465,739	486,253	507,528	538,878		538,878
Total Debt Service Payments	\$ 821,368	\$ 808,153	\$ 806,756	\$ 808,299	\$ 814,682	\$ 808,566	\$ 811,975	\$ 806,152	\$ 816,563	\$	816,563
Revenue Bond Payments Only	-	-	-	-	-	-	-	-	-	-	-
<b>NEW DEBT SERVICE</b>											
Annual Interest Payments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	37,947
Annual Principal Payments	-	-	-	-	-	-	-	-	-	-	26,880
Total Debt Service Payments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	64,827
Revenue Bond Payments Only	-	-	-	-	-	-	-	-	-	-	64,827
<b>TOTAL DEBT SERVICE PAYMENTS</b>	<b>\$ 821,368</b>	<b>\$ 808,153</b>	<b>\$ 806,756</b>	<b>\$ 808,299</b>	<b>\$ 814,682</b>	<b>\$ 808,566</b>	<b>\$ 811,975</b>	<b>\$ 806,152</b>	<b>\$ 881,390</b>	<b>\$</b>	<b>881,390</b>
Total Interest Payments	398,601	406,996	392,425	375,429	357,951	342,828	325,722	298,624	315,632		315,632
Total Principal Payments	422,767	401,157	414,332	432,870	456,732	465,739	486,253	507,528	565,758		565,758
Total Revenue Bond Payments Only	-	-	-	-	-	-	-	-	64,827		64,827

**City of Cottage Grove  
Water Utility  
Capital Funding Analysis**

New Debt Computations	Fiscal Year								
	2023	2024	2025	2026	2027	2028	2029	2030	
<b>REVENUE BONDS</b>									
Amount to Fund	\$ -	\$ -	\$ 2,210,000	\$ -	\$ -	\$ 2,230,000	\$ -	\$ -	
Issuance Costs	-	-	24,203	-	-	24,422	-	-	
Reserve Required	-	-	186,060	-	-	187,744	-	-	
Amount of Debt Issue	\$ -	\$ -	\$ 2,420,263	\$ -	\$ -	\$ 2,442,166	\$ -	\$ -	
<b>OTHER LOANS (SRF)</b>									
Amount to Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Issuance Costs	-	-	-	-	-	-	-	-	
Amount of Debt Issue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
<b>PWTF LOAN</b>									
Amount to Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

Debt Service Summary	Fiscal Year								
	2023	2024	2025	2026	2027	2028	2029	2030	
<b>EXISTING DEBT SERVICE</b>									
Annual Interest Payments	\$ 252,625	\$ 226,966	\$ 199,201	\$ 167,561	\$ 136,035	\$ 105,422	\$ 78,142	\$ 52,801	
Annual Principal Payments	560,629	587,638	610,174	648,173	676,966	642,476	608,684	624,750	
Total Debt Service Payments	\$ 813,254	\$ 814,604	\$ 809,375	\$ 815,734	\$ 813,001	\$ 747,897	\$ 686,826	\$ 677,551	
Revenue Bond Payments Only	-	-	-	-	-	-	-	-	
<b>NEW DEBT SERVICE</b>									
Annual Interest Payments	\$ 36,737	\$ 35,473	\$ 143,064	\$ 138,212	\$ 133,142	\$ 237,741	\$ 228,700	\$ 219,254	
Annual Principal Payments	28,089	29,353	107,823	112,675	117,745	200,891	209,931	219,378	
Total Debt Service Payments	\$ 64,826	\$ 64,827	\$ 250,887	\$ 250,887	\$ 250,887	\$ 438,631	\$ 438,631	\$ 438,631	
Revenue Bond Payments Only	64,826	64,827	250,887	250,887	250,887	438,631	438,631	438,631	
<b>TOTAL DEBT SERVICE PAYMENTS</b>									
Total Interest Payments	289,362	262,439	342,265	305,773	269,176	343,162	306,842	272,055	
Total Principal Payments	588,718	616,991	717,997	760,848	794,711	843,366	818,615	844,128	
Total Revenue Bond Payments Only	64,826	64,827	250,887	250,887	250,887	438,631	438,631	438,631	

**City of Cottage Grove  
Water Utility  
Revenue Requirements Analysis**

Fiscal Year Ending 6/30:									
Fiscal Year Ending 6/30:									
<b>Maximum Revenue Deficiency</b>	2014	2015	2016	2017	2018	2019	2020	2021	2022
Sufficiency Test Driving the Deficiency	None	None	None	None	None	None	None	None	Cash
Maximum Deficiency From Tests	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 99,500
less: Net Revenue From Prior Rate Increases	-	-	-	(52,474)	(106,633)	(162,524)	(220,191)	(279,682)	(341,046)
Revenue Deficiency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Plus: Adjustment for Taxes	-	-	-	-	-	-	-	-	-
<b>Total Revenue Deficiency</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Fiscal Year Ending 6/30:									
Fiscal Year Ending 6/30:									
<b>Rate Increases</b>	2014	2015	2016	2017	2018	2019	2020	2021	2022
Rate Revenue with no Increase	\$ 2,770,656	\$ 2,874,825	\$ 2,894,949	\$ 2,915,213	\$ 2,935,620	\$ 2,956,169	\$ 2,976,862	\$ 2,997,700	\$ 3,018,684
Revenues from Prior Rate Increases	-	-	-	52,474	106,633	162,524	220,191	279,682	341,046
Rate Revenue Before Rate Increase (Incl. previous increases)	2,770,656	2,874,825	2,894,949	2,967,687	3,042,253	3,118,693	3,197,053	3,277,382	3,359,730
Required Annual Rate Increase	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	12	12	12	12	12	12	12	12	12
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%
<b>Policy Induced Rate Increases</b>	<b>0.00%</b>	<b>0.00%</b>	<b>1.80%</b>	<b>1.80%</b>	<b>1.80%</b>	<b>1.80%</b>	<b>1.80%</b>	<b>1.80%</b>	<b>1.80%</b>
<b>ANNUAL RATE INCREASE</b>	<b>0.00%</b>	<b>0.00%</b>	<b>1.80%</b>	<b>1.80%</b>	<b>1.80%</b>	<b>1.80%</b>	<b>1.80%</b>	<b>1.80%</b>	<b>1.80%</b>
<b>CUMULATIVE RATE INCREASE</b>	<b>0.00%</b>	<b>0.00%</b>	<b>1.80%</b>	<b>3.63%</b>	<b>5.50%</b>	<b>7.40%</b>	<b>9.33%</b>	<b>11.30%</b>	<b>13.30%</b>

Fiscal Year Ending 6/30:									
Fiscal Year Ending 6/30:									
<b>Impacts of Rate Increases</b>	2014	2015	2016	2017	2018	2019	2020	2021	2022
Rate Revenues After Rate Increase	\$ 2,770,656	\$ 2,874,825	\$ 2,947,058	\$ 3,021,106	\$ 3,097,014	\$ 3,174,830	\$ 3,254,600	\$ 3,336,375	\$ 3,420,205
Full Year Rate Revenues After Rate Increase	2,770,656	2,874,825	2,947,058	3,021,106	3,097,014	3,174,830	3,254,600	3,336,375	3,420,205
Additional Taxes/Franchise Fees Due to Rate Increases	-	-	-	-	-	-	-	-	-
Net Cash Flow After Rate Increase	594,534	457,501	470,342	350,351	350,722	362,632	364,198	341,480	302,021
Coverage After Rate Increase	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	18.31

**City of Cottage Grove  
Water Utility  
Revenue Requirements Analysis**

	Fiscal Ye:							
	2023	2024	2025	2026	2027	2028	2029	2030
<b>Maximum Revenue Deficiency</b>								
Sufficiency Test Driving the Deficiency	Cash	Cash	Cash	Cash	Cash	Cash	Cash	Cash
Maximum Deficiency From Tests	\$ 158,449	\$ 301,257	\$ 475,432	\$ 552,973	\$ 796,860	\$ 828,866	\$ 850,223	\$ 928,246
less: Net Revenue From Prior Rate Increases	(404,331)	(469,590)	(536,875)	(606,238)	(677,735)	(747,592)	(819,509)	(893,538)
Revenue Deficiency	\$ -	\$ -	\$ -	\$ -	\$ 119,125	\$ 81,273	\$ 30,714	\$ 34,708
Plus: Adjustment for Taxes	-	-	-	-	-	-	-	-
<b>Total Revenue Deficiency</b>	\$ -	\$ -	\$ -	\$ -	\$ 119,125	\$ 81,273	\$ 30,714	\$ 34,708

	Fiscal Ye:							
	2023	2024	2025	2026	2027	2028	2029	2030
<b>Rate Increases</b>								
Rate Revenue with no Increase	\$ 3,039,815	\$ 3,061,094	\$ 3,082,522	\$ 3,104,099	\$ 3,125,828	\$ 3,147,709	\$ 3,169,743	\$ 3,191,931
Revenues from Prior Rate Increases	404,331	469,590	536,875	606,238	677,735	747,592	819,509	893,538
Rate Revenue Before Rate Increase (Incl. previous increases)	3,444,147	3,530,684	3,619,396	3,710,337	3,803,563	3,895,301	3,989,252	4,085,469
Required Annual Rate Increase	0.00%	0.00%	0.00%	0.00%	3.13%	2.09%	0.77%	0.85%
Number of Months New Rates Will Be In Effect	12	12	12	12	12	12	12	12
Info: Percentage Increase to Generate Required Revenue	0.00%	0.00%	0.00%	0.00%	3.13%	2.09%	0.77%	0.85%
<b>Policy Induced Rate Increases</b>	1.80%	1.80%	1.80%	1.80%	1.70%	1.70%	1.70%	
<b>ANNUAL RATE INCREASE</b>	1.80%	1.80%	1.80%	1.80%	1.70%	1.70%	1.70%	0.85%
<b>CUMULATIVE RATE INCREASE</b>	15.34%	17.42%	19.53%	21.68%	23.75%	25.85%	27.99%	29.08%

	Fiscal Ye:							
	2023	2024	2025	2026	2027	2028	2029	2030
<b>Impacts of Rate Increases</b>								
Rate Revenues After Rate Increase	\$ 3,506,141	\$ 3,594,236	\$ 3,684,545	\$ 3,777,123	\$ 3,868,224	\$ 3,961,521	\$ 4,057,069	\$ 4,120,177
Full Year Rate Revenues After Rate Increase	3,506,141	3,594,236	3,684,545	3,777,123	3,868,224	3,961,521	4,057,069	4,120,177
Additional Taxes/Franchise Fees Due to Rate Increases	-	-	-	-	-	-	-	-
Net Cash Flow After Rate Increase	307,877	231,885	126,591	120,051	(54,464)	(15,053)	37,103	-
Coverage After Rate Increase	18.45	18.41	4.74	4.78	4.73	2.67	2.68	2.57

**City of Cottage Grove  
Water Utility  
Fund Activity**

<b>Funds</b>	<b>Fiscal Year Ending 6/30:</b>		<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>									
<b>OPERATING FUND</b>																				
Beginning Balance	\$	447,176	\$	592,060	\$	408,001	\$	422,759	\$	470,290	\$	487,481	\$	505,331	\$	523,866	\$	543,114	\$	563,103
plus: Net Cash Flow after Rate Increase		594,534		457,501		470,342		350,351		350,722		362,632		364,198		341,480		302,021		
less: Transfer of Surplus to Capital Fund		(803,832)		(641,560)		(455,584)		(302,820)		(333,531)		(344,782)		(345,663)		(322,232)		(282,031)		
Ending Balance	\$	237,878	\$	408,001	\$	422,759	\$	470,290	\$	487,481	\$	505,331	\$	523,866	\$	543,114	\$	563,103		
<i>Minimum Target Balance</i>		178,527		272,181		281,256		313,735		325,203		337,111		348,521		362,316		375,652		
<i>Maximum Funds to be Kept as Operating Reserves</i>		237,878		408,001		422,759		470,290		487,481		505,331		523,866		543,114		563,103		
<i>Info: No of Days of Cash Operating Expenses</i>		60		90		90		90		90		90		90		90		90		
<b>CAPITAL FUND</b>																				
Beginning Balance	\$	1,179,353	\$	1,196,158	\$	1,895,492	\$	1,470,619	\$	1,527,779	\$	1,398,330	\$	1,591,648	\$	656,987	\$	575,777	\$	1,539,353
plus: Rate-Funded System Reinvestment		-		-		-		-		-		-		-		-		-		
plus: Grants / Developer Donations / Other Outside Sources		-		-		-		-		-		-		-		-		-		
plus: System Development Charges		146,702		50,000		240,730		242,415		244,112		245,821		247,541		249,274		251,019		
plus: Net Debt Proceeds Available for Projects		-		-		-		-		-		-		-		-		770,000		
plus: Direct Rate Funding		-		-		-		-		-		-		-		32,634		-		
plus: Interest Earnings		7,666		7,775		12,321		9,559		9,931		9,089		10,346		4,270		3,743		
plus: Transfer of Surplus from Operating Fund		803,832		641,560		455,584		302,820		333,531		344,782		345,663		322,232		282,031		
less: Capital Expenditures		-		-		(1,133,508)		(497,634)		(717,021)		(406,374)		(1,538,211)		(689,622)		(343,216)		
Ending Balance	\$	2,137,552	\$	1,895,492	\$	1,470,619	\$	1,527,779	\$	1,398,330	\$	1,591,648	\$	656,987	\$	575,777	\$	1,539,353		
<i>Minimum Target Balance</i>	\$	143,684	\$	143,684	\$	155,019	\$	159,995	\$	167,166	\$	171,229	\$	186,611	\$	193,508	\$	196,940		
<b>DEBT RESERVE</b>																				
Beginning Balance	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
plus: Reserve Funding from New Debt		-		-		-		-		-		-		-		-		64,827		
less: Use of Reserves for Debt Service		-		-		-		-		-		-		-		-		-		
Ending Balance	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	64,827		
<i>Minimum Target Balance</i>		-		-		-		-		-		-		-		-		64,827		

**City of Cottage Grove  
Water Utility  
Fund Activity**

<b>Funds</b>	<b>Fiscal Year Ending 6/30:</b>		<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>						
<b>OPERATING FUND</b>																
Beginning Balance	\$	563,103	\$	583,865	\$	605,429	\$	627,829	\$	651,099	\$	596,634	\$	581,581	\$	618,685
plus: Net Cash Flow after Rate Increase		307,877		231,885		126,591		120,051		(54,464)		(15,053)		37,103		-
less: Transfer of Surplus to Capital Fund		(287,116)		(210,321)		(104,191)		(96,781)		-		-		-		-
Ending Balance	\$	583,865	\$	605,429	\$	627,829	\$	651,099	\$	596,634	\$	581,581	\$	618,685	\$	618,685
<i>Minimum Target Balance</i>		389,502		402,784		418,831		434,354		450,482		465,961		484,648		502,740
<i>Maximum Funds to be Kept as Operating Reserves</i>		583,865		605,429		627,829		651,099		675,274		700,391		726,489		753,609
<i>Info: No of Days of Cash Operating Expenses</i>		90		90		90		90		79		75		77		74
<b>CAPITAL FUND</b>																
Beginning Balance	\$	1,539,353	\$	1,028,013	\$	471,549	\$	1,897,297	\$	1,070,783	\$	266,889	\$	1,826,685	\$	1,374,492
plus: Rate-Funded System Reinvestment		-		-		-		-		-		-		-		-
plus: Grants / Developer Donations / Other Outside Sources		-		-		-		-		-		-		-		-
plus: System Development Charges		252,776		254,546		256,327		258,122		259,929		261,748		263,580		265,425
plus: Net Debt Proceeds Available for Projects		-		-		2,210,000		-		-		2,230,000		-		-
plus: Direct Rate Funding		-		75,675		-		-		170,716		-		-		-
plus: Interest Earnings		10,006		6,682		3,065		12,332		6,960		1,735		11,873		8,934
plus: Transfer of Surplus from Operating Fund		287,116		210,321		104,191		96,781		-		-		-		-
less: Capital Expenditures		(1,061,238)		(1,103,688)		(1,147,836)		(1,193,749)		(1,241,499)		(933,696)		(727,647)		(1,365,124)
Ending Balance	\$	1,028,013	\$	471,549	\$	1,897,297	\$	1,070,783	\$	266,889	\$	1,826,685	\$	1,374,492	\$	293,728
<i>Minimum Target Balance</i>	\$	207,552	\$	218,589	\$	230,067	\$	242,005	\$	254,420	\$	263,757	\$	271,033	\$	284,584
<b>DEBT RESERVE</b>																
Beginning Balance	\$	64,827	\$	64,827	\$	64,827	\$	250,887	\$	250,887	\$	250,887	\$	438,631	\$	438,631
plus: Reserve Funding from New Debt		-		-		186,060		-		-		187,744		-		-
less: Use of Reserves for Debt Service		-		-		-		-		-		-		-		-
Ending Balance	\$	64,827	\$	64,827	\$	250,887	\$	250,887	\$	250,887	\$	438,631	\$	438,631	\$	438,631
<i>Minimum Target Balance</i>		64,826		64,827		250,887		250,887		250,887		438,631		438,631		438,631

## APPENDIX B: WASTEWATER ANALYSIS

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Note: all data in gray-shaded cells with blue font are manual inputs.

**City of Cottage Grove**  
**Wastewater Utility**  
Summary

Capital Funding	Fiscal Year Ending 6/30:									
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Total Capital Projects</b>	\$ -	\$ -	\$ 337,171	\$ 362,982	\$ 449,990	\$ 383,501	\$ 416,185	\$ 432,832	\$ 450,146	\$ 369,745
Revenue Bond Proceeds	-	-	59,302	-	-	338,581	-	-	410,383	-
Use of Capital Fund Balance	-	-	277,869	362,982	449,990	44,920	416,185	349,432	39,762	369,745
Direct Rate Funding	-	-	-	-	-	-	-	83,400	-	-
<b>Total Funding Sources</b>	\$ -	\$ -	\$ 337,171	\$ 362,982	\$ 449,990	\$ 383,501	\$ 416,185	\$ 432,832	\$ 450,146	\$ 369,745

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Revenues</b>										
Rate Revenues Under Existing Rates	\$ 2,040,042	\$ 2,179,085	\$ 2,194,339	\$ 2,209,699	\$ 2,225,167	\$ 2,240,743	\$ 2,256,428	\$ 2,272,223	\$ 2,288,129	\$ 2,304,146
Non-Rate Revenues	395,188	380,169	379,844	380,526	380,986	381,615	382,404	382,803	382,885	383,502
<b>Total Revenues</b>	\$ 2,435,230	\$ 2,559,254	\$ 2,574,183	\$ 2,590,225	\$ 2,606,153	\$ 2,622,358	\$ 2,638,832	\$ 2,655,027	\$ 2,671,013	\$ 2,687,648
<b>Expenses</b>										
Cash Operating Expenses	\$ 1,442,014	\$ 1,783,621	\$ 1,892,080	\$ 1,960,114	\$ 2,030,711	\$ 2,103,976	\$ 2,180,013	\$ 2,258,933	\$ 2,340,851	\$ 2,425,888
Existing Debt Service	856,639	825,551	807,639	799,841	800,052	799,913	799,174	790,875	818,374	784,989
New Debt Service	-	-	67,184	67,184	67,184	153,479	153,479	153,479	240,784	240,784
<b>Total Expenses</b>	\$ 2,298,653	\$ 2,609,172	\$ 2,766,903	\$ 2,827,138	\$ 2,897,947	\$ 3,057,367	\$ 3,132,665	\$ 3,286,687	\$ 3,400,010	\$ 3,451,661
<b>Annual Surplus / (Deficiency)</b>	\$ 136,577	\$ (49,918)	\$ (192,720)	\$ (236,913)	\$ (291,794)	\$ (435,010)	\$ (493,833)	\$ (631,661)	\$ (728,996)	\$ (764,013)
Net Revenue from Rate Increases	-	-	230,406	307,712	388,452	470,128	555,315	644,144	736,757	833,296
<b>Net Surplus / (Deficiency)</b>	\$ 136,577	\$ (49,918)	\$ 37,685	\$ 70,799	\$ 96,658	\$ 35,118	\$ 61,481	\$ 12,484	\$ 7,761	\$ 69,283
<b>Annual Rate Adjustment</b>	0.00%	0.00%	10.50%	3.10%	3.10%	3.00%	3.00%	3.00%	3.00%	3.00%
<b>Cumulative Rate Adjustment</b>	0.00%	0.00%	10.50%	13.93%	17.48%	20.98%	24.61%	28.35%	32.20%	36.17%
<b>Rates for Average Single-Family Residence</b>										
Base rate	\$ 6.84	\$ 7.28	\$ 8.04	\$ 8.29	\$ 8.55	\$ 8.81	\$ 9.07	\$ 9.34	\$ 9.62	\$ 9.91
Improvement rate	16.07	17.11	18.91	19.49	20.10	20.70	21.32	21.96	22.62	23.30
Consumption of 6,000 gallons	21.06	22.44	24.80	25.56	26.36	27.15	27.96	28.80	29.67	30.56
<b>Total</b>	\$ 43.97	\$ 46.83	\$ 51.75	\$ 53.35	\$ 55.01	\$ 56.66	\$ 58.36	\$ 60.11	\$ 61.91	\$ 63.77
Rate Revenues After Rate Increase	\$ 2,040,042	\$ 2,179,085	\$ 2,424,744	\$ 2,517,411	\$ 2,613,618	\$ 2,710,871	\$ 2,811,743	\$ 2,916,368	\$ 3,024,886	\$ 3,137,442
Net Cash Flow After Rate Increase	136,577	(49,918)	37,685	70,799	96,658	35,118	61,481	12,484	7,761	69,283
Coverage After Rate Increases	n/a	n/a	13.61	14.03	14.39	6.44	6.64	6.79	4.43	4.57

Fund Balances	Fiscal Year Ending 6/30:									
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Operating Fund	\$ 236,886	\$ 216,840	\$ 254,525	\$ 325,324	\$ 421,982	\$ 457,100	\$ 518,581	\$ 531,065	\$ 538,826	\$ 597,767
Capital Fund	914,448	277,869	776,710	455,236	44,920	723,683	349,432	39,762	664,629	347,563
Debt Reserve Fund	-	-	67,184	67,184	67,184	153,479	153,479	153,479	240,784	240,784
<b>Total</b>	\$ 1,151,334	\$ 494,709	\$ 1,098,419	\$ 847,744	\$ 534,086	\$ 1,334,262	\$ 1,021,492	\$ 724,306	\$ 1,444,238	\$ 1,186,115
Combined Minimum Target Balance	\$ 320,577	\$ 435,993	\$ 523,527	\$ 539,191	\$ 555,296	\$ 657,469	\$ 673,151	\$ 691,432	\$ 796,704	\$ 814,380



**City of Cottage Grove  
Wastewater Utility  
Summary**

Capital Funding	Fiscal Year							
	2024	2025	2026	2027	2028	2029	2030	
<b>Total Capital Projects</b>	\$ 384,534	\$ 447,288	\$ 650,183	\$ 614,911	\$ 639,508	\$ 509,562	\$ 529,945	
Revenue Bond Proceeds	-	362,283	-	-	-	-	-	
Use of Capital Fund Balance	347,563	85,005	650,183	573,109	271,890	268,983	339,126	
Direct Rate Funding	36,971	-	-	41,802	367,618	240,579	190,819	
<b>Total Funding Sources</b>	\$ 384,534	\$ 447,288	\$ 650,183	\$ 614,911	\$ 639,508	\$ 509,562	\$ 529,945	

Fiscal Year Ending 6/30:	2024	2025	2026	2027	2028	2029	2030
<b>Revenues</b>							
Rate Revenues Under Existing Rates	\$ 2,320,275	\$ 2,336,517	\$ 2,352,872	\$ 2,369,342	\$ 2,385,928	\$ 2,402,629	\$ 2,419,448
Non-Rate Revenues	383,886	384,027	384,853	384,849	385,305	385,470	385,640
<b>Total Revenues</b>	\$ 2,704,160	\$ 2,720,544	\$ 2,737,725	\$ 2,754,191	\$ 2,771,233	\$ 2,788,099	\$ 2,805,088
<b>Expenses</b>							
Cash Operating Expenses	\$ 2,514,168	\$ 2,605,822	\$ 2,700,985	\$ 2,799,799	\$ 2,902,413	\$ 3,008,978	\$ 3,119,657
Existing Debt Service	779,933	785,674	777,480	423,879	66,920	41,700	40,300
New Debt Service	240,784	367,069	367,069	367,069	367,069	367,070	367,070
<b>Total Expenses</b>	\$ 3,571,856	\$ 3,758,565	\$ 3,845,534	\$ 3,632,550	\$ 3,704,020	\$ 3,658,327	\$ 3,717,846
<b>Annual Surplus / (Deficiency)</b>	\$ (867,696)	\$ (1,038,022)	\$ (1,107,809)	\$ (878,359)	\$ (932,787)	\$ (870,228)	\$ (912,758)
Net Revenue from Rate Increases	933,911	1,038,758	1,107,209	1,177,677	1,185,921	1,194,222	1,202,582
<b>Net Surplus / (Deficiency)</b>	\$ 66,215	\$ 736	\$ (600)	\$ 299,318	\$ 253,133	\$ 323,994	\$ 289,824
<b>Annual Rate Adjustment</b>	3.00%	3.00%	1.80%	1.80%	0.00%	0.00%	0.00%
<b>Cumulative Rate Adjustment</b>	40.25%	44.46%	47.06%	49.70%	49.70%	49.70%	49.70%
<b>Rates for Average Single-Family Residence</b>							
Base rate	\$ 10.21	\$ 10.52	\$ 10.71	\$ 10.90	\$ 10.90	\$ 10.90	\$ 10.90
Improvement rate	24.00	24.72	25.16	25.61	25.61	25.61	25.61
Consumption of 6,000 gallons	31.47	32.42	33.00	33.59	33.59	33.59	33.59
<b>Total</b>	\$ 65.68	\$ 67.65	\$ 68.87	\$ 70.11	\$ 70.11	\$ 70.11	\$ 70.11
Rate Revenues After Rate Increase	\$ 3,254,186	\$ 3,375,274	\$ 3,460,081	\$ 3,547,019	\$ 3,571,848	\$ 3,596,851	\$ 3,622,029
Net Cash Flow After Rate Increase	66,215	736	(600)	299,318	253,133	323,994	289,824
Coverage After Rate Increases	4.68	3.14	3.14	3.09	2.88	2.66	2.43

Fund Balances	Fiscal Year							
	2024	2025	2026	2027	2028	2029	2030	
Operating Fund	\$ 619,520	\$ 620,256	\$ 619,656	\$ 689,903	\$ 715,188	\$ 741,447	\$ 768,720	
Capital Fund	85,005	1,176,821	573,109	271,890	268,983	339,126	304,676	
Debt Reserve Fund	240,784	367,070	367,070	367,070	367,070	367,070	367,070	
<b>Total</b>	\$ 945,309	\$ 2,164,147	\$ 1,559,835	\$ 1,328,863	\$ 1,351,240	\$ 1,447,643	\$ 1,440,466	
Combined Minimum Target Balance	\$ 831,608	\$ 978,562	\$ 1,000,707	\$ 1,023,100	\$ 1,045,059	\$ 1,068,976	\$ 1,092,469	

**City of Cottage Grove  
Wastewater Utility  
Assumptions**

<b>Economic &amp; Financial Factors</b>		<b>Fiscal Year Ending 6/30:</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
1	General Cost Inflation		3.20%	3.20%	3.20%	3.20%	3.20%	3.20%	3.20%	3.20%	3.20%
2	Construction Cost Inflation		2.33%	3.16%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
3	Labor Cost Inflation		3.07%	3.07%	3.07%	3.07%	3.07%	3.07%	3.07%	3.07%	3.07%
4	Benefit Cost Inflation		3.07%	4.03%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
5	General Inflation plus Growth		3.93%	3.93%	3.93%	3.93%	3.93%	3.93%	3.93%	3.93%	3.93%
6	Unused 1		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
7	Unused 1 plus Growth		0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%
8	No Escalation		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Fund Earnings		0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%
	Unused 2		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Franchise Fee		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
9	Customer Growth		0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%
	Cumulative Customer Growth		0.70%	1.40%	2.11%	2.83%	3.55%	4.27%	5.00%	5.74%	6.48%

**City of Cottage Grove  
Wastewater Utility  
Assumptions**

<b>Economic &amp; Financial Factors</b>		<b>Fiscal Year Ending 6/30:</b>								
		<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	
1	General Cost Inflation	3.20%	3.20%	3.20%	3.20%	3.20%	3.20%	3.20%	3.20%	
2	Construction Cost Inflation	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	
3	Labor Cost Inflation	3.07%	3.07%	3.07%	3.07%	3.07%	3.07%	3.07%	3.07%	
4	Benefit Cost Inflation	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	
5	General Inflation plus Growth	3.93%	3.93%	3.93%	3.93%	3.93%	3.93%	3.93%	3.93%	
6	Unused 1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
7	Unused 1 plus Growth	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	
8	No Escalation	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Fund Earnings	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	
	Unused 2	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Franchise Fee	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
9	Customer Growth	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	
	Cumulative Customer Growth	7.22%	7.98%	8.73%	9.49%	10.26%	11.03%	11.81%	12.59%	

## City of Cottage Grove Wastewater Utility

### Assumptions

Accounting Assumptions	Fiscal Year Ending 6/30:	2014	2015	2016	2017	2018	2019	2020	2021	2022
<b>FISCAL POLICY RESTRICTIONS</b>										
Min. Op. Fund Balance Target (days of O&M expense)		45	60	60	60	60	60	60	60	60
Max. Op. Fund Balance (days of O&M expense)		60	90	90	90	90	90	90	90	90
Minimum Capital Fund Balance Target										
Select Minimum Capital Fund Balance Target	1	Defined as % of Plant								
1 - Defined as % of Plant										
Plant-In-Service in 2013	\$ 14,279,470									
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%
2 - Amount at Right ==>										
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>RATE FUNDED SYSTEM REINVESTMENT</b>										
Select Reinvestment Funding Strategy	4	System Reinvestment is not Funded								
<b>Amount of Annual Cash Funding from Rates</b>										
1 - Equal to Annual Depreciation Expense										
2 - Equal to Annual Depreciation Expense less Annual Debt Principal Payments										
3 - Equal to Amount at Right ==>										
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4 - Do Not Fund System Reinvestment										
System Reinvestment Policy Implementation (%)										
		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

## City of Cottage Grove Wastewater Utility

### Assumptions

Accounting Assumptions	Fiscal Year Ending 6/30:	2023	2024	2025	2026	2027	2028	2029	2030
<b>FISCAL POLICY RESTRICTIONS</b>									
Min. Op. Fund Balance Target (days of O&M expense)		60	60	60	60	60	60	60	60
Max. Op. Fund Balance (days of O&M expense)		90	90	90	90	90	90	90	90
Minimum Capital Fund Balance Target									
Select Minimum Capital Fund Balance Target		1							
1 - Defined as % of Plant									
Plant-in-Service in 2013		\$ 14,279,470							
Minimum Capital Fund Balance - % of plant assets		1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
2 - Amount at Right ==>									
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>RATE FUNDED SYSTEM REINVESTMENT</b>									
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 Principal									
3 - Equal to Amount at Right ==>									
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4 - Do Not Fund System Reinvestment									
System Reinvestment Policy Implementation (%)		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

**City of Cottage Grove  
Wastewater Utility**

**Assumptions**

**Capital Financing Assumptions**      Fiscal Year Ending 6/30:      2014      2015      2016      2017      2018      2019      2020      2021      2022

**SYSTEM DEVELOPMENT CHARGE (SDC) REVENUES**

Select SDC Alternative	1
1 - User Input (Current Charge)	\$ 48
2 - Calculated Charge	

Current Charge is in use  
per fixture

Total fixtures		107,432	108,184	108,941	109,704	110,472	111,245	112,024	112,808	113,598
System Development Charge Revenues	\$	32,089	\$ 35,954	\$ 36,206	\$ 36,459	\$ 36,715	\$ 36,972	\$ 37,230	\$ 37,491	\$ 37,753

**REVENUE BONDS**

Term (years)	20	20	20	20	20	20	20	20	20
Interest Only Period (First n years)	0	0	0	0	0	0	0	0	0
Interest Cost	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%
Issuance Cost	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Revenue Bond Coverage Requirement	1.50								

**LOANS**

Term (years; no more than 20 years)	20	20	20	20	20	20	20	20	20
Interest Cost	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%

**GENERAL OBLIGATION BONDS**

Term (years)	20	20	20	20	20	20	20	20	20
Interest Cost	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%
Issuance Cost	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%

**City of Cottage Grove  
Wastewater Utility  
Assumptions**

**Capital Financing Assumptions**      Fiscal Year Ending 6/30:      2023      2024      2025      2026      2027      2028      2029      2030

**SYSTEM DEVELOPMENT CHARGE (SDC) REVENUES**

Select SDC Alternative	1
1 - User Input (Current Charge)	\$ 48
2 - Calculated Charge	

Total fixtures	114,393	115,194	116,000	116,812	117,630	118,453	119,282	120,117
System Development Charge Revenues	\$ 38,018	\$ 38,284	\$ 38,552	\$ 38,822	\$ 39,093	\$ 39,367	\$ 39,643	\$ 39,920

**REVENUE BONDS**

Term (years)	20	20	20	20	20	20	20	20
Interest Only Period (First n years)	0	0	0	0	0	0	0	0
Interest Cost	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%
Issuance Cost	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Revenue Bond Coverage Requirement	1.50							

**LOANS**

Term (years; no more than 20 years)	20	20	20	20	20	20	20	20
Interest Cost	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%

**GENERAL OBLIGATION BONDS**

Term (years)	20	20	20	20	20	20	20	20
Interest Cost	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%
Issuance Cost	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%

**City of Cottage Grove  
Wastewater Utility  
Operating Revenue and Expenditure Forecast**

Revenues			Fiscal Year Ending 6/30:								
			Budget 2014	Budget 2015	Projection 2016	Projection 2017	Projection 2018	Projection 2019	Projection 2020	Projection 2021	
Rate Revenues											
Wastewater Fund											
45040 Wastewater Disp User Charges	9	Customer Growth	\$ 1,219,764	\$ 1,313,450	\$ 1,322,644	\$ 1,331,903	\$ 1,341,226	\$ 1,350,615	\$ 1,360,069	\$ 1,369,589	
Wastewater Reserve Fund											
45043 Water surcharge	9	Customer Growth	820,278	865,635	871,694	877,796	883,941	890,128	896,359	902,634	
[Other]	9	Customer Growth	-	-	-	-	-	-	-	-	
<b>Subtotal Rate Revenues</b>			<b>\$ 2,040,042</b>	<b>\$ 2,179,085</b>	<b>\$ 2,194,339</b>	<b>\$ 2,209,699</b>	<b>\$ 2,225,167</b>	<b>\$ 2,240,743</b>	<b>\$ 2,256,428</b>	<b>\$ 2,272,223</b>	
Non-Rate Revenues											
45044 Golf Course Fees	8	No Escalation	195,818	225,000	225,000	225,000	225,000	225,000	225,000	225,000	
45045 Pro Shop	8	No Escalation	151,592	37,500	37,500	37,500	37,500	37,500	37,500	37,500	
45046 Club/Cart Rentals	8	No Escalation	-	48,000	48,000	48,000	48,000	48,000	48,000	48,000	
45047 Deli Sales	8	No Escalation	-	38,000	38,000	38,000	38,000	38,000	38,000	38,000	
45048 LPG/A/PGA Fees	8	No Escalation	-	-	-	-	-	-	-	-	
45049 CG Hospital Mowing Fees	8	No Escalation	-	11,945	11,945	11,945	11,945	11,945	11,945	11,945	
45052 Cash Over/Short	8	No Escalation	-	-	-	-	-	-	-	-	
45053 Gift Card	8	No Escalation	-	-	-	-	-	-	-	-	
51130 State and Local Grants	8	No Escalation	-	-	-	-	-	-	-	-	
54010 Credit Bureau	8	No Escalation	-	1,750	1,750	1,750	1,750	1,750	1,750	1,750	
54050 Auction Proceeds	8	No Escalation	-	500	500	500	500	500	500	500	
54060 Miscellaneous Revenue	8	No Escalation	46,500	5,000	5,000	5,000	5,000	5,000	5,000	5,000	
54250 Rental Property Revenue	8	No Escalation	-	10,740	10,740	10,740	10,740	10,740	10,740	10,740	
[Other]	8	No Escalation	-	-	-	-	-	-	-	-	
<b>Subtotal Non-Rate Revenues</b>			<b>393,910</b>	<b>378,435</b>	<b>378,435</b>	<b>378,435</b>	<b>378,435</b>	<b>378,435</b>	<b>378,435</b>	<b>378,435</b>	
<b>TOTAL REVENUES</b>			<b>\$ 2,433,952</b>	<b>\$ 2,557,520</b>	<b>\$ 2,572,774</b>	<b>\$ 2,588,134</b>	<b>\$ 2,603,602</b>	<b>\$ 2,619,178</b>	<b>\$ 2,634,863</b>	<b>\$ 2,650,658</b>	

Expenditures			Fiscal Year Ending 6/30:								
			2014	2015	2016	2017	2018	2019	2020	2021	
Wastewater Collection											
Personnel Services											
60240 Utilities Clerk	3	Labor Cost Inflation	\$ -	\$ 17,450	\$ 17,985	\$ 18,537	\$ 19,105	\$ 19,691	\$ 20,295	\$ 20,917	
60250 Finance Clerk	3	Labor Cost Inflation	-	5,535	5,705	5,880	6,060	6,246	6,437	6,635	
60400 Public Works Director	3	Labor Cost Inflation	-	13,770	14,192	14,627	15,076	15,538	16,015	16,506	
60410 Administrative Aide	3	Labor Cost Inflation	-	9,145	9,425	9,714	10,012	10,319	10,636	10,962	
60420 Clerical Assistant	3	Labor Cost Inflation	-	8,310	8,565	8,827	9,098	9,377	9,665	9,961	
60425 Permit Specialist	3	Labor Cost Inflation	-	-	-	-	-	-	-	-	
60430 City Engineer	3	Labor Cost Inflation	-	8,700	8,967	9,242	9,525	9,817	10,118	10,429	
60440 Utilities Maint. Supervisor	3	Labor Cost Inflation	-	12,000	12,368	12,747	13,138	13,541	13,956	14,384	
60450 Fleet and Facilities Manager	3	Labor Cost Inflation	-	10,730	11,059	11,398	11,748	12,108	12,479	12,862	
60480 Utility Maintenance Workers	3	Labor Cost Inflation	-	79,835	82,283	84,806	87,407	90,087	92,850	95,697	
61100 Overtime	4	Benefit Cost Inflation	-	2,000	2,100	2,205	2,315	2,431	2,553	2,680	
62010 Workers' Compensation	4	Benefit Cost Inflation	-	4,110	4,316	4,531	4,758	4,996	5,246	5,508	
62020 Unemployment	4	Benefit Cost Inflation	-	1,340	1,407	1,477	1,551	1,629	1,710	1,796	
62030 FICA	4	Benefit Cost Inflation	-	12,815	13,456	14,129	14,835	15,577	16,356	17,173	
63010 Life Insurance	4	Benefit Cost Inflation	-	120	126	132	139	146	153	161	
63020 Retirement	4	Benefit Cost Inflation	-	32,845	34,487	36,212	38,022	39,923	41,919	44,015	
63030 Disability Insurance	4	Benefit Cost Inflation	-	895	940	987	1,036	1,088	1,142	1,199	
63040 Health Insurance	4	Benefit Cost Inflation	-	60,010	63,011	66,161	69,469	72,943	76,590	80,419	
[Other]	8	No Escalation	-	-	-	-	-	-	-	-	
<b>Subtotal Personnel Services</b>			<b>-</b>	<b>279,610</b>	<b>290,391</b>	<b>301,613</b>	<b>313,295</b>	<b>325,457</b>	<b>338,119</b>	<b>351,304</b>	
Materials and Services											
71000 Contractual Services	1	General Cost Inflation	\$ -	\$ 7,500	\$ 7,740	\$ 7,988	\$ 8,244	\$ 8,508	\$ 8,781	\$ 9,062	
71210 Clothing Allowance	1	General Cost Inflation	-	500	516	533	550	567	585	604	
71500 Electricity	1	General Cost Inflation	-	1,200	1,238	1,278	1,319	1,361	1,405	1,450	

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Cottage Grove Sewer Model v14  
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**City of Cottage Grove  
Wastewater Utility  
Operating Revenue and Expend**

Revenues	Projection 2022	Projection 2023	Projection 2024	Projection 2025	Projection 2026	Projection 2027	Projection 2028	Projection 2029	Projection 2030
<b>Rate Revenues</b>									
Wastewater Fund									
45040 Wastewater Disp User Charges	\$ 1,379,176	\$ 1,388,831	\$ 1,398,553	\$ 1,408,342	\$ 1,418,201	\$ 1,428,128	\$ 1,438,125	\$ 1,448,192	\$ 1,458,329
Wastewater Reserve Fund									
45043 Water surcharge	908,952	915,315	921,722	928,174	934,671	941,214	947,803	954,437	961,118
[Other]	-	-	-	-	-	-	-	-	-
<b>Subtotal Rate Revenues</b>	<b>\$ 2,288,129</b>	<b>\$ 2,304,146</b>	<b>\$ 2,320,275</b>	<b>\$ 2,336,517</b>	<b>\$ 2,352,872</b>	<b>\$ 2,369,342</b>	<b>\$ 2,385,928</b>	<b>\$ 2,402,629</b>	<b>\$ 2,419,448</b>
<b>Non-Rate Revenues</b>									
45044 Golf Course Fees	225,000	225,000	225,000	225,000	225,000	225,000	225,000	225,000	225,000
45045 Pro Shop	37,500	37,500	37,500	37,500	37,500	37,500	37,500	37,500	37,500
45046 Club/Car Rentals	48,000	48,000	48,000	48,000	48,000	48,000	48,000	48,000	48,000
45047 Deli Sales	38,000	38,000	38,000	38,000	38,000	38,000	38,000	38,000	38,000
45048 LPGA/PGA Fees	-	-	-	-	-	-	-	-	-
45049 CG Hospital Mowing Fees	11,945	11,945	11,945	11,945	11,945	11,945	11,945	11,945	11,945
45052 Cash Over/Short	-	-	-	-	-	-	-	-	-
45053 Gift Card	-	-	-	-	-	-	-	-	-
51130 State and Local Grants									
54010 Credit Bureau	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750
54050 Auction Proceeds	500	500	500	500	500	500	500	500	500
54060 Miscellaneous Revenue	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
54250 Rental Property Revenue	10,740	10,740	10,740	10,740	10,740	10,740	10,740	10,740	10,740
[Other]	-	-	-	-	-	-	-	-	-
<b>Subtotal Non-Rate Revenues</b>	<b>378,435</b>	<b>378,435</b>	<b>378,435</b>	<b>378,435</b>	<b>378,435</b>	<b>378,435</b>	<b>378,435</b>	<b>378,435</b>	<b>378,435</b>
<b>TOTAL REVENUES</b>	<b>\$ 2,666,564</b>	<b>\$ 2,682,581</b>	<b>\$ 2,698,710</b>	<b>\$ 2,714,952</b>	<b>\$ 2,731,307</b>	<b>\$ 2,747,777</b>	<b>\$ 2,764,363</b>	<b>\$ 2,781,064</b>	<b>\$ 2,797,883</b>

Expenditures	2022	2023	2024	2025	2026	2027	2028	2029	2030
<b>Wastewater Collection</b>									
Personnel Services									
60240 Utilities Clerk	\$ 21,558	\$ 22,220	\$ 22,901	\$ 23,603	\$ 24,327	\$ 25,073	\$ 25,842	\$ 26,634	\$ 27,451
60250 Finance Clerk	6,838	7,048	7,264	7,487	7,716	7,953	8,197	8,448	8,707
60400 Public Works Director	17,012	17,534	18,071	18,625	19,197	19,785	20,392	21,017	21,662
60410 Administrative Aide	11,298	11,645	12,002	12,370	12,749	13,140	13,543	13,958	14,386
60420 Clerical Assistant	10,267	10,581	10,906	11,240	11,585	11,940	12,306	12,684	13,073
60425 Permit Specialist	-	-	-	-	-	-	-	-	-
60430 City Engineer	10,748	11,078	11,418	11,768	12,129	12,501	12,884	13,279	13,686
60440 Utilities Maint. Supervisor	14,825	15,280	15,748	16,231	16,729	17,242	17,771	18,316	18,877
60450 Fleet and Facilities Manager	13,256	13,663	14,082	14,514	14,959	15,417	15,890	16,377	16,880
60480 Utility Maintenance Workers	98,631	101,656	104,773	107,986	111,297	114,710	118,228	121,853	125,590
61100 Overtime	2,814	2,955	3,103	3,258	3,421	3,592	3,771	3,960	4,158
62010 Workers' Compensation	5,783	6,072	6,376	6,695	7,029	7,381	7,750	8,138	8,544
62020 Unemployment	1,886	1,980	2,079	2,183	2,292	2,406	2,527	2,653	2,786
62030 FICA	18,032	18,934	19,880	20,874	21,918	23,014	24,165	25,373	26,641
63010 Life Insurance	169	177	186	195	205	216	226	238	249
63020 Retirement	46,216	48,527	50,953	53,501	56,176	58,985	61,934	65,031	68,282
63030 Disability Insurance	1,259	1,322	1,388	1,458	1,531	1,607	1,688	1,772	1,861
63040 Health Insurance	84,440	88,662	93,095	97,750	102,637	107,769	113,158	118,816	124,756
[Other]	-	-	-	-	-	-	-	-	-
<b>Subtotal Personnel Services</b>	<b>365,034</b>	<b>379,333</b>	<b>394,225</b>	<b>409,738</b>	<b>425,897</b>	<b>442,731</b>	<b>460,271</b>	<b>478,546</b>	<b>497,590</b>
Materials and Services									
71000 Contractual Services	\$ 9,352	\$ 9,652	\$ 9,961	\$ 10,280	\$ 10,610	\$ 10,950	\$ 11,300	\$ 11,662	\$ 12,036
71210 Clothing Allowance	623	643	664	685	707	730	753	777	802
71500 Electricity	1,496	1,544	1,594	1,645	1,698	1,752	1,808	1,866	1,926

**City of Cottage Grove  
Wastewater Utility  
Operating Revenue and Expenditure Forecast**

			Budget	Budget	Projection	Projection	Projection	Projection	Projection	Projection
			2014	2015	2016	2017	2018	2019	2020	2021
Fiscal Year Ending 6/30:										
<b>Revenues</b>										
71520 Telephone	1	General Cost Inflation	-	8,500	8,772	9,053	9,343	9,643	9,952	10,270
71530 Natural Gas	1	General Cost Inflation	-	1,900	1,961	2,024	2,089	2,155	2,224	2,296
71540 Fuel and Lubricants	1	General Cost Inflation	-	9,000	9,288	9,586	9,893	10,210	10,537	10,875
71550 Landfill Fees	1	General Cost Inflation	-	-	-	-	-	-	-	-
71560 Communications Service	1	General Cost Inflation	-	1,000	1,032	1,065	1,099	1,134	1,171	1,208
71700 Building Maint. And Repair	1	General Cost Inflation	-	1,000	1,032	1,065	1,099	1,134	1,171	1,208
71710 Equipment Maint. And Repair	1	General Cost Inflation	-	9,000	9,288	9,586	9,893	10,210	10,537	10,875
71720 Vehicle Maint. And Repair	1	General Cost Inflation	-	1,500	1,548	1,598	1,649	1,702	1,756	1,812
71730 Radio Maint. And Repair	1	General Cost Inflation	-	200	206	213	220	227	234	242
72000 Computer Service and Supplies	1	General Cost Inflation	-	250	258	266	275	284	293	302
72100 Minor Equipment and Tools	1	General Cost Inflation	-	2,000	2,064	2,130	2,198	2,269	2,342	2,417
72120 Equip. Rental and Lease	1	General Cost Inflation	-	1,000	1,032	1,065	1,099	1,134	1,171	1,208
72510 Safety Equipment	1	General Cost Inflation	-	1,000	1,032	1,065	1,099	1,134	1,171	1,208
72600 Cleaning Supplies	1	General Cost Inflation	-	800	826	852	879	908	937	967
73000 Sand and Gravel	1	General Cost Inflation	-	2,500	2,580	2,663	2,748	2,836	2,927	3,021
73010 Asphalt and Concrete	1	General Cost Inflation	-	1,000	1,032	1,065	1,099	1,134	1,171	1,208
73100 Sewer Pipe	1	General Cost Inflation	-	2,000	2,064	2,130	2,198	2,269	2,342	2,417
73600 Misc. Supplies and Expenses	1	General Cost Inflation	-	2,500	2,580	2,663	2,748	2,836	2,927	3,021
[Other]	8	No Escalation	-	-	-	-	-	-	-	-
<b>Subtotal Materials and Services</b>			-	54,350	56,091	57,898	59,743	61,657	63,632	65,670
<b>Subtotal Wastewater Collection</b>			\$ 296,302	\$ 333,960	\$ 346,482	\$ 359,501	\$ 373,037	\$ 387,113	\$ 401,751	\$ 416,974
<b>Wastewater Treatment Plant</b>										
Personnel Services										
60400 Public Works Director	3	Labor Cost Inflation	\$ -	\$ 7,345	\$ 7,570	\$ 7,802	\$ 8,042	\$ 8,288	\$ 8,542	\$ 8,804
60410 Administrative Aide	3	Labor Cost Inflation	-	2,310	2,381	2,454	2,529	2,607	2,687	2,769
60420 Clerical Assistant	3	Labor Cost Inflation	-	2,910	2,999	3,091	3,186	3,284	3,384	3,488
60430 City Engineer	3	Labor Cost Inflation	-	-	-	-	-	-	-	-
60450 Fleet and Facilities Manager	3	Labor Cost Inflation	-	3,580	3,690	3,803	3,920	4,040	4,164	4,291
60470 Wastewater Treatment Plant Supervisor	3	Labor Cost Inflation	-	69,650	71,786	73,987	76,256	78,594	81,004	83,488
60480 Utility Maintenance Workers	3	Labor Cost Inflation	-	156,885	161,696	166,654	171,765	177,032	182,460	188,055
61010 Regular Part-Time Worker	3	Labor Cost Inflation	-	-	-	-	-	-	-	-
61100 Overtime	4	Benefit Cost Inflation	-	4,000	4,200	4,410	4,631	4,862	5,105	5,360
62010 Workers' Compensation	4	Benefit Cost Inflation	-	7,515	7,891	8,285	8,700	9,135	9,591	10,071
62020 Unemployment	4	Benefit Cost Inflation	-	2,065	2,168	2,277	2,390	2,510	2,636	2,767
62030 FICA	4	Benefit Cost Inflation	-	18,870	19,814	20,804	21,844	22,937	24,083	25,288
63010 Life Insurance	4	Benefit Cost Inflation	-	175	184	193	203	213	223	235
63020 Retirement	4	Benefit Cost Inflation	-	49,945	52,442	55,064	57,818	60,708	63,744	66,931
63030 Disability Insurance	4	Benefit Cost Inflation	-	1,375	1,444	1,516	1,592	1,671	1,755	1,843
63040 Health Insurance	4	Benefit Cost Inflation	-	95,080	99,834	104,826	110,067	115,570	121,349	127,416
[Other]	8	No Escalation	-	-	-	-	-	-	-	-
<b>Subtotal Personnel Services</b>			-	421,705	438,098	455,167	472,941	491,450	510,728	530,807
Materials and Services										
71000 Contractual Services	1	General Cost Inflation	\$ -	\$ 4,000	\$ 4,128	\$ 4,260	\$ 4,397	\$ 4,538	\$ 4,683	\$ 4,833
71210 Clothing Allowance	1	General Cost Inflation	-	1,000	1,032	1,065	1,099	1,134	1,171	1,208
71500 Electricity	1	General Cost Inflation	-	100,000	103,204	106,510	109,922	113,444	117,078	120,829
71520 Telephone	1	General Cost Inflation	-	7,500	7,740	7,988	8,244	8,508	8,781	9,062
71530 Natural Gas	1	General Cost Inflation	-	500	516	533	550	567	585	604
71540 Fuel and Lubricants	1	General Cost Inflation	-	5,500	5,676	5,858	6,046	6,239	6,439	6,646
71700 Building Maint. And Repair	1	General Cost Inflation	-	1,200	1,238	1,278	1,319	1,361	1,405	1,450
71710 Equipment Maint. And Repair	1	General Cost Inflation	-	23,000	23,737	24,497	25,282	26,092	26,928	27,791
71720 Vehicle Maint. And Repair	1	General Cost Inflation	-	500	516	533	550	567	585	604
72010 Office Supplies	1	General Cost Inflation	-	-	-	-	-	-	-	-
72100 Minor Equipment and Tools	1	General Cost Inflation	-	1,000	1,032	1,065	1,099	1,134	1,171	1,208
72120 Equip. Rental and Lease	1	General Cost Inflation	-	2,000	2,064	2,130	2,198	2,269	2,342	2,417

**City of Cottage Grove  
Wastewater Utility**  
Operating Revenue and Expenditure Forecast

			Budget	Budget	Projection	Projection	Projection	Projection	Projection	Projection
			2014	2015	2016	2017	2018	2019	2020	2021
Fiscal Year Ending 6/30:										
<b>Revenues</b>										
72400 Lab Tests and Supplies	1	General Cost Inflation	-	15,000	15,481	15,976	16,488	17,017	17,562	18,124
72410 Treatment Chemical	1	General Cost Inflation	-	75,000	77,403	79,882	82,442	85,083	87,808	90,621
72430 Biosolids Disposal	1	General Cost Inflation	-	52,000	53,666	55,385	57,159	58,991	60,880	62,831
72600 Cleaning Supplies	1	General Cost Inflation	-	500	516	533	550	567	585	604
73600 Misc. Supplies and Expenses	1	General Cost Inflation	-	4,000	4,128	4,260	4,397	4,538	4,683	4,833
[Other]	8	No Escalation	-	-	-	-	-	-	-	-
<b>Subtotal Materials and Services</b>			-	292,700	302,077	311,754	321,742	332,049	342,687	353,665
<b>Subtotal Wastewater Treatment Plant</b>			\$ 574,884	\$ 714,405	\$ 740,175	\$ 766,921	\$ 794,682	\$ 823,499	\$ 853,415	\$ 884,472
<b>Middlefield Golf Course</b>										
Personnel Services										
60475 Community Services Director	3	Labor Cost Inflation	\$ -	\$ 11,900	\$ 12,265	\$ 12,641	\$ 13,029	\$ 13,428	\$ 13,840	\$ 14,264
60476 Golf Shop Manager	3	Labor Cost Inflation	-	44,655	46,024	47,436	48,890	50,389	51,935	53,527
60477 Golf Shop Assistant	3	Labor Cost Inflation	-	29,585	30,492	31,427	32,391	33,384	34,408	35,463
60478 Golf Course Superintendent	3	Labor Cost Inflation	-	57,235	58,990	60,799	62,663	64,585	66,565	68,607
60479 Golf Course Assist Super/Mechanic	3	Labor Cost Inflation	-	-	-	-	-	-	-	-
61000 Groundskeeper - Seasonal Worker	3	Labor Cost Inflation	-	-	-	-	-	-	-	-
61010 Groundskeeper - Regula Part-Time Wor	3	Labor Cost Inflation	-	59,105	60,917	62,785	64,711	66,695	68,740	70,848
61100 Overtime	4	Benefit Cost Inflation	-	400	420	441	463	486	511	536
62010 Workers' Compensation	4	Benefit Cost Inflation	-	2,430	2,552	2,679	2,813	2,954	3,101	3,256
62020 Unemployment	4	Benefit Cost Inflation	-	1,625	1,706	1,792	1,881	1,975	2,074	2,178
62030 FICA	4	Benefit Cost Inflation	-	15,520	16,296	17,111	17,966	18,865	19,808	20,798
63010 Life Insurance	4	Benefit Cost Inflation	-	95	100	105	110	115	121	127
63020 Retirement	4	Benefit Cost Inflation	-	28,145	29,552	31,030	32,581	34,210	35,921	37,717
63030 Disability Insurance	4	Benefit Cost Inflation	-	665	698	733	770	808	849	891
63040 Health Insurance	4	Benefit Cost Inflation	-	35,800	37,590	39,470	41,443	43,515	45,691	47,975
[Other]	8	No Escalation	-	-	-	-	-	-	-	-
<b>Subtotal Personnel Services</b>			-	287,160	297,603	308,448	319,712	331,411	343,564	356,189
Materials and Services										
70030 Advertising	1	General Cost Inflation	\$ -	\$ 4,500	\$ 4,644	\$ 4,793	\$ 4,946	\$ 5,105	\$ 5,269	\$ 5,437
71000 Contractual Services	1	General Cost Inflation	-	2,500	2,580	2,663	2,748	2,836	2,927	3,021
71020 Licenses and Permits	1	General Cost Inflation	-	700	722	746	769	794	820	846
71210 Clothing Allowance	1	General Cost Inflation	-	750	774	799	824	851	878	906
71500 Electricity	1	General Cost Inflation	-	32,800	33,851	34,935	36,054	37,209	38,402	39,632
71520 Telephone	1	General Cost Inflation	-	7,500	7,740	7,988	8,244	8,508	8,781	9,062
71530 Natural Gas	1	General Cost Inflation	-	1,200	1,238	1,278	1,319	1,361	1,405	1,450
71540 Fuel and Lubricants	1	General Cost Inflation	-	18,000	18,577	19,172	19,786	20,420	21,074	21,749
71580 Fertilizer	1	General Cost Inflation	-	-	-	-	-	-	-	-
71600 Postage	1	General Cost Inflation	-	-	-	-	-	-	-	-
71700 Building Maint. And Repair	1	General Cost Inflation	-	2,500	2,580	2,663	2,748	2,836	2,927	3,021
71710 Equipment Maint. And Repair	1	General Cost Inflation	-	17,500	18,061	18,639	19,236	19,853	20,489	21,145
71720 Vehicle Maint. And Repair	1	General Cost Inflation	-	800	826	852	879	908	937	967
72000 Computer Service and Supplies	1	General Cost Inflation	-	1,200	1,238	1,278	1,319	1,361	1,405	1,450
72010 Office Supplies	1	General Cost Inflation	-	600	619	639	660	681	702	725
72030 Books, Maps, and Periodicals	1	General Cost Inflation	-	200	206	213	220	227	234	242
72100 Minor Equipment and Tools	1	General Cost Inflation	-	2,000	2,064	2,130	2,198	2,269	2,342	2,417
72120 Equip. Rental and Lease	1	General Cost Inflation	-	1,000	1,032	1,065	1,099	1,134	1,171	1,208
72200 Landscaping Supplies	1	General Cost Inflation	-	1,500	1,548	1,598	1,649	1,702	1,756	1,812
72320 Irrigation Parts and Supplies	1	General Cost Inflation	-	4,500	4,644	4,793	4,946	5,105	5,269	5,437
72330 Supplies/Pro Shop Inventory	1	General Cost Inflation	-	20,000	20,641	21,302	21,984	22,689	23,416	24,166
72340 Supplies/Deli Food	1	General Cost Inflation	-	22,000	22,705	23,432	24,183	24,958	25,757	26,582
72430 Chemicals	1	General Cost Inflation	-	15,000	15,481	15,976	16,488	17,017	17,562	18,124
72600 Cleaning Supplies	1	General Cost Inflation	-	1,500	1,548	1,598	1,649	1,702	1,756	1,812
7300 Soil/Sand/Gravel	1	General Cost Inflation	-	6,500	6,708	6,923	7,145	7,374	7,610	7,854
73600 Misc. Supplies and Expenses	1	General Cost Inflation	-	6,000	6,192	6,391	6,595	6,807	7,025	7,250

**City of Cottage Grove  
Wastewater Utility  
Operating Revenue and Expend**

	Projection 2022	Projection 2023	Projection 2024	Projection 2025	Projection 2026	Projection 2027	Projection 2028	Projection 2029	Projection 2030
<b>Revenues</b>									
72400 Lab Tests and Supplies	18,705	19,304	19,923	20,561	21,220	21,899	22,601	23,325	24,072
72410 Treatment Chemical	93,525	96,521	99,613	102,804	106,098	109,497	113,004	116,625	120,361
72430 Biosolids Disposal	64,844	66,921	69,065	71,278	73,561	75,918	78,350	80,860	83,450
72600 Cleaning Supplies	623	643	664	685	707	730	753	777	802
73600 Misc. Supplies and Expenses	4,988	5,148	5,313	5,483	5,659	5,840	6,027	6,220	6,419
[Other]	-	-	-	-	-	-	-	-	-
<b>Subtotal Materials and Services</b>	<b>364,995</b>	<b>376,698</b>	<b>388,756</b>	<b>401,210</b>	<b>414,063</b>	<b>427,328</b>	<b>441,018</b>	<b>455,147</b>	<b>469,728</b>
<b>Subtotal Wastewater Treatment Plan</b>	<b>\$ 916,718</b>	<b>\$ 950,200</b>	<b>\$ 984,969</b>	<b>\$ 1,021,075</b>	<b>\$ 1,058,575</b>	<b>\$ 1,097,524</b>	<b>\$ 1,137,982</b>	<b>\$ 1,180,010</b>	<b>\$ 1,223,672</b>
<b>Middlefield Golf Course</b>									
<b>Personnel Services</b>									
60475 Community Services Director	\$ 14,702	\$ 15,153	\$ 15,617	\$ 16,096	\$ 16,590	\$ 17,098	\$ 17,623	\$ 18,163	\$ 18,720
60476 Golf Shop Manager	55,169	56,860	58,604	60,401	62,253	64,162	66,130	68,157	70,248
60477 Golf Shop Assistant	36,550	37,671	38,826	40,017	41,244	42,509	43,812	45,156	46,541
60478 Golf Course Superintendant	70,710	72,879	75,114	77,417	79,791	82,238	84,759	87,358	90,037
60479 Golf Course Assist Super/Mechanic	-	-	-	-	-	-	-	-	-
61000 Groundskeeper - Seasonal Worker	-	-	-	-	-	-	-	-	-
61010 Groundskeeper - Regula Part-Time Wor	73,021	75,260	77,568	79,946	82,398	84,924	87,529	90,213	92,979
61100 Overtime	563	591	621	652	684	718	754	792	832
62010 Workers' Compensation	3,419	3,590	3,770	3,958	4,156	4,364	4,582	4,811	5,052
62020 Unemployment	2,287	2,401	2,521	2,647	2,779	2,918	3,064	3,217	3,378
62030 FICA	21,838	22,930	24,077	25,280	26,544	27,872	29,265	30,729	32,265
63010 Life Insurance	134	140	147	155	162	171	179	188	197
63020 Retirement	39,603	41,583	43,662	45,845	48,138	50,544	53,072	55,725	58,511
63030 Disability Insurance	936	983	1,032	1,083	1,137	1,194	1,254	1,317	1,382
63040 Health Insurance	50,374	52,893	55,538	58,314	61,230	64,292	67,506	70,882	74,426
[Other]	-	-	-	-	-	-	-	-	-
<b>Subtotal Personnel Services</b>	<b>369,305</b>	<b>382,934</b>	<b>397,095</b>	<b>411,812</b>	<b>427,107</b>	<b>443,005</b>	<b>459,530</b>	<b>476,708</b>	<b>494,568</b>
<b>Materials and Services</b>									
70030 Advertising	\$ 5,611	\$ 5,791	\$ 5,977	\$ 6,168	\$ 6,366	\$ 6,570	\$ 6,780	\$ 6,997	\$ 7,222
71000 Contractual Services	3,117	3,217	3,320	3,427	3,537	3,650	3,767	3,887	4,012
71020 Licenses and Permits	873	901	930	960	990	1,022	1,055	1,088	1,123
71210 Clothing Allowance	935	965	996	1,028	1,061	1,095	1,130	1,166	1,204
71500 Electricity	40,901	42,212	43,564	44,960	46,400	47,886	49,421	51,004	52,638
71520 Telephone	9,352	9,652	9,961	10,280	10,610	10,950	11,300	11,662	12,036
71530 Natural Gas	1,496	1,544	1,594	1,645	1,698	1,752	1,808	1,866	1,926
71540 Fuel and Lubricants	22,446	23,165	23,907	24,673	25,463	26,279	27,121	27,990	28,887
71580 Fertilizer	-	-	-	-	-	-	-	-	-
71600 Postage	-	-	-	-	-	-	-	-	-
71700 Building Maint. And Repair	3,117	3,217	3,320	3,427	3,537	3,650	3,767	3,887	4,012
71710 Equipment Maint. And Repair	21,822	22,522	23,243	23,988	24,756	25,549	26,368	27,212	28,084
71720 Vehicle Maint. And Repair	998	1,030	1,063	1,097	1,132	1,168	1,205	1,244	1,284
72000 Computer Service and Supplies	1,496	1,544	1,594	1,645	1,698	1,752	1,808	1,866	1,926
72010 Office Supplies	748	772	797	822	849	876	904	933	963
72030 Books, Maps, and Periodicals	249	257	266	274	283	292	301	311	321
72100 Minor Equipment and Tools	2,494	2,574	2,656	2,741	2,829	2,920	3,013	3,110	3,210
72120 Equip. Rental and Lease	1,247	1,287	1,328	1,371	1,415	1,460	1,507	1,555	1,605
72200 Landscaping Supplies	1,870	1,930	1,992	2,056	2,122	2,190	2,260	2,332	2,407
72320 Irrigation Parts and Supplies	5,611	5,791	5,977	6,168	6,366	6,570	6,780	6,997	7,222
72330 Supplies/Pro Shop Inventory	24,940	25,739	26,563	27,414	28,293	29,199	30,135	31,100	32,096
72340 Supplies/Deli Food	27,434	28,313	29,220	30,156	31,122	32,119	33,148	34,210	35,306
72430 Chemicals	18,705	19,304	19,923	20,561	21,220	21,899	22,601	23,325	24,072
72600 Cleaning Supplies	1,870	1,930	1,992	2,056	2,122	2,190	2,260	2,332	2,407
7300 Soil/Sand/Gravel	8,105	8,365	8,633	8,910	9,195	9,490	9,794	10,107	10,431
73600 Misc. Supplies and Expenses	7,482	7,722	7,969	8,224	8,488	8,760	9,040	9,330	9,629

**City of Cottage Grove  
Wastewater Utility  
Operating Revenue and Expenditure Forecast**

			Budget	Budget	Projection	Projection	Projection	Projection	Projection	Projection
			2014	2015	2016	2017	2018	2019	2020	2021
Fiscal Year Ending 6/30:										
<b>Revenues</b>										
74100 Professional Assoc. Dues	1	General Cost Inflation	-	3,600	3,715	3,834	3,957	4,084	4,215	4,350
74200 Education and Registration Fees	1	General Cost Inflation	-	1,200	1,238	1,278	1,319	1,361	1,405	1,450
7210 Travel and Subsistence	1	General Cost Inflation	-	1,750	1,806	1,864	1,924	1,985	2,049	2,114
76000 Animal Control	1	General Cost Inflation	-	1,000	1,032	1,065	1,099	1,134	1,171	1,208
[Other]	8	No Escalation	-	-	-	-	-	-	-	-
<b>Subtotal Materials and Services</b>			-	178,300	184,012	189,907	195,991	202,270	208,750	215,437
<b>Subtotal Middlefield Golf Course</b>			\$ 408,351	\$ 465,460	\$ 481,615	\$ 498,355	\$ 515,703	\$ 533,681	\$ 552,313	\$ 571,626
<b>Non-Departmental</b>										
Materials and Services										
70030 Advertising	1	General Cost Inflation	\$ -	\$ 600	\$ 619	\$ 639	\$ 660	\$ 681	\$ 702	\$ 725
70100 Audit Expense	1	General Cost Inflation	-	3,680	3,798	3,920	4,045	4,175	4,308	4,446
70400 Insurance and Bonds	1	General Cost Inflation	-	49,600	51,189	52,829	54,521	56,268	58,071	59,931
71000 Contractual Services	1	General Cost Inflation	-	1,000	1,032	1,065	1,099	1,134	1,171	1,208
71600 Postage	1	General Cost Inflation	-	250	258	266	275	284	293	302
71610 Utility Billing Postage	1	General Cost Inflation	-	5,000	5,160	5,325	5,496	5,672	5,854	6,041
72000 Computer Programs and Supplies	1	General Cost Inflation	-	6,500	6,708	6,923	7,145	7,374	7,610	7,854
72010 Office Supplies	1	General Cost Inflation	-	1,100	1,135	1,172	1,209	1,248	1,288	1,329
72030 Books, Maps, and Periodicals	1	General Cost Inflation	-	100	103	107	110	113	117	121
73220 NDPEs Discharge Permit	1	General Cost Inflation	-	7,500	7,740	7,988	8,244	8,508	8,781	9,062
74000 Program Fees and Dues	1	General Cost Inflation	-	1,000	1,032	1,065	1,099	1,134	1,171	1,208
74100 Professional Association Dues	1	General Cost Inflation	-	2,000	2,064	2,130	2,198	2,269	2,342	2,417
74200 Education and Registration Fees	1	General Cost Inflation	-	3,000	3,096	3,195	3,298	3,403	3,512	3,625
74210 Travel and Subsistence	1	General Cost Inflation	-	1,000	1,032	1,065	1,099	1,134	1,171	1,208
74300 Employee Medical Exams and Tests	1	General Cost Inflation	-	500	516	533	550	567	585	604
76010 Rodent Control	1	General Cost Inflation	-	1,000	1,032	1,065	1,099	1,134	1,171	1,208
76133 Watershed Council	1	General Cost Inflation	-	300	310	320	330	340	351	362
79900 Administration Charges	1	General Cost Inflation	-	77,080	79,549	82,098	84,728	87,442	90,244	93,135
79910 Engineering Service Fees	1	General Cost Inflation	-	20,000	20,641	21,302	21,984	22,689	23,416	24,166
[Other]	8	No Escalation	-	-	-	-	-	-	-	-
<b>Subtotal Non-Departmental</b>			\$ 162,477	\$ 181,210	\$ 187,015	\$ 193,007	\$ 199,190	\$ 205,571	\$ 212,157	\$ 218,953
<b>Capital Outlay</b>										
Miscellaneous projects	2	Construction Cost Inflation	\$ -	\$ -	\$ 45,048	\$ 46,850	\$ 48,724	\$ 50,673	\$ 52,700	\$ 54,808
[Other]	2	Construction Cost Inflation	-	-	-	-	-	-	-	-
<b>Subtotal Capital Outlay</b>			\$ -	\$ -	\$ 45,048	\$ 46,850	\$ 48,724	\$ 50,673	\$ 52,700	\$ 54,808
<b>Cost of Additional FTEs and Vehicle Maintenance</b>			\$ -	\$ 88,586	\$ 91,745	\$ 95,480	\$ 99,375	\$ 103,439	\$ 107,677	\$ 112,099
<b>Total Cash O&amp;M Expenditures</b>			\$ 1,442,014	\$ 1,783,621	\$ 1,892,080	\$ 1,960,114	\$ 2,030,711	\$ 2,103,976	\$ 2,180,013	\$ 2,258,933
[a] Capital outlay to be expensed in current year.										
<b>Depreciation Expense In 2013</b>			\$ 558,170							
Depreciation Expense		<i>Last year's plus annual additions from CIP</i>	\$ 558,170	\$ 558,170	\$ 562,666	\$ 567,505	\$ 573,505	\$ 578,619	\$ 584,168	\$ 589,939
		<i>debt, principal payments</i>	(556,111)	(513,390)	(539,874)	(553,676)	(576,135)	(629,419)	(649,524)	(672,322)
		<i>System Reinvestment Funding</i>	2,059	44,780	22,792	13,830	(2,630)	(50,801)	(65,356)	(82,383)

**City of Cottage Grove  
Wastewater Utility  
Operating Revenue and Expend**

	Projection 2022	Projection 2023	Projection 2024	Projection 2025	Projection 2026	Projection 2027	Projection 2028	Projection 2029	Projection 2030
<b>Revenues</b>									
74100 Professional Assoc. Dues	4,489	4,633	4,781	4,935	5,093	5,256	5,424	5,598	5,777
74200 Education and Registration Fees	1,496	1,544	1,594	1,645	1,698	1,752	1,808	1,866	1,926
7210 Travel and Subsistence	2,182	2,252	2,324	2,399	2,476	2,555	2,637	2,721	2,808
76000 Animal Control	1,247	1,287	1,328	1,371	1,415	1,460	1,507	1,555	1,605
[Other]	-	-	-	-	-	-	-	-	-
<b>Subtotal Materials and Services</b>	<b>222,339</b>	<b>229,462</b>	<b>236,813</b>	<b>244,400</b>	<b>252,229</b>	<b>260,310</b>	<b>268,649</b>	<b>277,256</b>	<b>286,138</b>
<b>Subtotal Middlefield Golf Course</b>	<b>\$ 591,644</b>	<b>\$ 612,396</b>	<b>\$ 633,908</b>	<b>\$ 656,212</b>	<b>\$ 679,336</b>	<b>\$ 703,314</b>	<b>\$ 728,179</b>	<b>\$ 753,964</b>	<b>\$ 780,706</b>
<b>Non-Departmental</b>									
<b>Materials and Services</b>									
70030 Advertising	\$ 748	\$ 772	\$ 797	\$ 822	\$ 849	\$ 876	\$ 904	\$ 933	\$ 963
70100 Audit Expense	4,589	4,736	4,888	5,044	5,206	5,373	5,545	5,722	5,906
70400 Insurance and Bonds	61,851	63,832	65,877	67,988	70,166	72,414	74,734	77,128	79,599
71000 Contractual Services	1,247	1,287	1,328	1,371	1,415	1,460	1,507	1,555	1,605
71600 Postage	312	322	332	343	354	365	377	389	401
71610 Utility Billing Postage	6,235	6,435	6,641	6,854	7,073	7,300	7,534	7,775	8,024
72000 Computer Programs and Supplies	8,105	8,365	8,633	8,910	9,195	9,490	9,794	10,107	10,431
72010 Office Supplies	1,372	1,416	1,461	1,508	1,556	1,606	1,657	1,710	1,765
72030 Books, Maps, and Periodicals	125	129	133	137	141	146	151	155	160
73220 NDPEs Discharge Permit	9,352	9,652	9,961	10,280	10,610	10,950	11,300	11,662	12,036
74000 Program Fees and Dues	1,247	1,287	1,328	1,371	1,415	1,460	1,507	1,555	1,605
74100 Professional Association Dues	2,494	2,574	2,656	2,741	2,829	2,920	3,013	3,110	3,210
74200 Education and Registration Fees	3,741	3,861	3,985	4,112	4,244	4,380	4,520	4,665	4,814
74210 Travel and Subsistence	1,247	1,287	1,328	1,371	1,415	1,460	1,507	1,555	1,605
74300 Employee Medical Exams and Tests	623	643	664	685	707	730	753	777	802
76010 Rodent Control	1,247	1,287	1,328	1,371	1,415	1,460	1,507	1,555	1,605
76133 Watershed Council	374	386	398	411	424	438	452	466	481
79900 Administration Charges	96,118	99,198	102,375	105,655	109,040	112,533	116,138	119,859	123,699
79910 Engineering Service Fees	24,940	25,739	26,563	27,414	28,293	29,199	30,135	31,100	32,096
[Other]	-	-	-	-	-	-	-	-	-
<b>Subtotal Non-Departmental</b>	<b>\$ 225,968</b>	<b>\$ 233,207</b>	<b>\$ 240,678</b>	<b>\$ 248,388</b>	<b>\$ 256,346</b>	<b>\$ 264,558</b>	<b>\$ 273,034</b>	<b>\$ 281,781</b>	<b>\$ 290,808</b>
<b>Capital Outlay</b>									
Miscellaneous projects	\$ 57,000	\$ 59,280	\$ 61,651	\$ 64,117	\$ 66,682	\$ 69,349	\$ 72,123	\$ 75,008	\$ 78,009
[Other]	-	-	-	-	-	-	-	-	-
<b>Subtotal Capital Outlay</b>	<b>\$ 57,000</b>	<b>\$ 59,280</b>	<b>\$ 61,651</b>	<b>\$ 64,117</b>	<b>\$ 66,682</b>	<b>\$ 69,349</b>	<b>\$ 72,123</b>	<b>\$ 75,008</b>	<b>\$ 78,009</b>
<b>Cost of Additional FTEs and Vehicle Mainten</b>	<b>\$ 116,713</b>	<b>\$ 121,527</b>	<b>\$ 126,550</b>	<b>\$ 131,792</b>	<b>\$ 137,263</b>	<b>\$ 142,974</b>	<b>\$ 148,934</b>	<b>\$ 155,156</b>	<b>\$ 161,651</b>
<b>Total Cash O&amp;M Expenditures</b>	<b>\$ 2,340,851</b>	<b>\$ 2,425,888</b>	<b>\$ 2,514,168</b>	<b>\$ 2,605,822</b>	<b>\$ 2,700,985</b>	<b>\$ 2,799,799</b>	<b>\$ 2,902,413</b>	<b>\$ 3,008,978</b>	<b>\$ 3,119,657</b>
[a] Capital outlay to be expensed in current year									
<b>Depreciation Expense In 2013</b>									
Depreciation Expense	\$ 595,941	\$ 600,871	\$ 605,998	\$ 611,962	\$ 620,631	\$ 628,830	\$ 637,356	\$ 644,150	\$ 651,216
	(734,158)	(761,602)	(789,333)	(885,020)	(921,039)	(602,786)	(265,204)	(251,644)	(261,393)
	\$ (138,218)	\$ (160,732)	\$ (183,335)	\$ (273,058)	\$ (300,408)	\$ 26,044	\$ 372,152	\$ 392,506	\$ 389,823

**City of Cottage Grove  
Wastewater Utility  
Existing Debt Input**

Revenue Bonds	Fiscal Year Ending 6/30:	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
<b>REVENUE BOND 1</b>													
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		-	-	-	-	-	-	-	-	-	-	-	-
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Use of Debt reserve for Debt Service			-	-	-	-	-	-	-	-	-	-	-
<b>REVENUE BOND 2</b>													
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		-	-	-	-	-	-	-	-	-	-	-	-
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Use of Debt reserve for Debt Service			-	-	-	-	-	-	-	-	-	-	-
<b>REVENUE BOND 3</b>													
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		-	-	-	-	-	-	-	-	-	-	-	-
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Use of Debt reserve for Debt Service			-	-	-	-	-	-	-	-	-	-	-
<b>REVENUE BOND 4</b>													
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		-	-	-	-	-	-	-	-	-	-	-	-
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Use of Debt reserve for Debt Service			-	-	-	-	-	-	-	-	-	-	-
<b>REVENUE BOND 5</b>													
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		-	-	-	-	-	-	-	-	-	-	-	-
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Use of Debt Reserve for Debt Service			-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL REVENUE BONDS</b>													
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		-	-	-	-	-	-	-	-	-	-	-	-
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Use of Debt reserve for Debt Service			-	-	-	-	-	-	-	-	-	-	-
Annual Debt Reserve Target on Existing Revenue Bonds			-	-	-	-	-	-	-	-	-	-	-

**City of Cottage Grove  
Wastewater Utility  
Existing Debt Input**

Revenue Bonds	Fiscal Year Ending 6/30:	2026	2027	2028	2029	2030
<b>REVENUE BOND 1</b>						
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		-	-	-	-	-
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -
Use of Debt reserve for Debt Service		-	-	-	-	-
<b>REVENUE BOND 2</b>						
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		-	-	-	-	-
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -
Use of Debt reserve for Debt Service		-	-	-	-	-
<b>REVENUE BOND 3</b>						
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		-	-	-	-	-
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -
Use of Debt reserve for Debt Service		-	-	-	-	-
<b>REVENUE BOND 4</b>						
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		-	-	-	-	-
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -
Use of Debt reserve for Debt Service		-	-	-	-	-
<b>REVENUE BOND 5</b>						
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		-	-	-	-	-
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -
Use of Debt Reserve for Debt Service		-	-	-	-	-
<b>TOTAL REVENUE BONDS</b>						
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		-	-	-	-	-
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -
Use of Debt reserve for Debt Service		-	-	-	-	-
Annual Debt Reserve Target on Existing Revenue Bonds		-	-	-	-	-



**City of Cottage Grove**  
**Wastewater Utility**  
Existing Debt Input

LOANS	Fiscal Year Ending 6/30:	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
<b>City Shop</b>													
Annual Interest Payment		\$ 1,390	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		<u>65,899</u>	-	-	-	-	-	-	-	-	-	-	-
Total Annual Payment	20.00%	\$ 13,458	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Golf and House</b>													
Annual Interest Payment		\$ 15,250	\$ 14,496	\$ 13,703	\$ 12,907	\$ 11,997	\$ 11,076	\$ 10,109	\$ 9,119	\$ 8,025	\$ 6,902	\$ 5,722	\$ 4,495
Annual Principal Payment		<u>14,763</u>	<u>15,517</u>	<u>16,310</u>	<u>17,106</u>	<u>18,017</u>	<u>18,937</u>	<u>19,904</u>	<u>20,895</u>	<u>21,988</u>	<u>23,111</u>	<u>24,292</u>	<u>25,519</u>
Total Annual Payment		\$ 30,013	\$ 30,013	\$ 30,013	\$ 30,013	\$ 30,013	\$ 30,013	\$ 30,013	\$ 30,013	\$ 30,013	\$ 30,013	\$ 30,013	\$ 30,013
<b>Vector Truck and Roller</b>													
Annual Interest Payment		\$ 1,980	\$ 105	\$ 2,100	\$ 1,704	\$ 1,297	\$ 877	\$ 445	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		<u>65,820</u>	<u>16,733</u>	<u>13,185</u>	<u>13,580</u>	<u>13,988</u>	<u>14,407</u>	<u>14,840</u>	-	-	-	-	-
Total Annual Payment	42.04%	\$ 28,503	\$ 7,079	\$ 15,285	\$ 15,285	\$ 15,285	\$ 15,285	\$ 15,285	\$ -	\$ -	\$ -	\$ -	\$ -
<b>LOAN 3</b>													
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		-	-	-	-	-	-	-	-	-	-	-	-
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>LOAN 4</b>													
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		-	-	-	-	-	-	-	-	-	-	-	-
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>LOAN 5</b>													
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		-	-	-	-	-	-	-	-	-	-	-	-
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL LOANS</b>													
Annual Interest Payment (sewer portion only)		\$ 16,361	\$ 14,540	\$ 14,586	\$ 13,624	\$ 12,542	\$ 11,445	\$ 10,296	\$ 9,119	\$ 8,025	\$ 6,902	\$ 5,722	\$ 4,495
Annual Principal Payment (sewer portion only)		<u>55,614</u>	<u>22,552</u>	<u>21,853</u>	<u>22,815</u>	<u>23,897</u>	<u>24,994</u>	<u>26,143</u>	<u>20,895</u>	<u>21,988</u>	<u>23,111</u>	<u>24,292</u>	<u>25,519</u>
Total Annual Payment (sewer portion only)		\$ 71,974	\$ 37,092	\$ 36,439	\$ 36,439	\$ 36,439	\$ 36,439	\$ 36,439	\$ 30,013	\$ 30,013	\$ 30,013	\$ 30,013	\$ 30,013

**City of Cottage Grove**  
**Wastewater Utility**  
Existing Debt Input

<b>Loans</b>	<b>Fiscal Year Ending 6/30:</b>				
	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>
<b>City Shop</b>					
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	-	-	-	-	-
Total Annual Payment	20.00%	\$ -	\$ -	\$ -	\$ -
<b>Golf and House</b>					
Annual Interest Payment	\$ 3,178	\$ 1,807	\$ 366	\$ -	\$ -
Annual Principal Payment	26,836	28,206	14,641	-	-
Total Annual Payment	\$ 30,013	\$ 30,013	\$ 15,007	\$ -	\$ -
<b>Vector Truck and Roller</b>					
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	-	-	-	-	-
Total Annual Payment	42.04%	\$ -	\$ -	\$ -	\$ -
<b>LOAN 3</b>					
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -
<b>LOAN 4</b>					
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -
<b>LOAN 5</b>					
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL LOANS</b>					
Annual Interest Payment (sewer portion only)	\$ 3,178	\$ 1,807	\$ 366	\$ -	\$ -
Annual Principal Payment (sewer portion only)	26,836	28,206	14,641	-	-
Total Annual Payment (sewer portion only)	\$ 30,013	\$ 30,013	\$ 15,007	\$ -	\$ -

**City of Cottage Grove  
Wastewater Utility  
Existing Debt Input**

Other Loans	Fiscal Year Ending 6/30:	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
<b>PERS</b>													
Annual Interest Payment		\$ 138,071	\$ 143,457	\$ 152,046	\$ 157,564	\$ 166,456	\$ 175,855	\$ 170,881	\$ 99,828	\$ 91,265	\$ 81,333	\$ 70,030	\$ 57,358
Annual Principal Payment		<u>28,126</u>	<u>27,741</u>	<u>29,152</u>	<u>28,634</u>	<u>29,742</u>	<u>30,343</u>	<u>45,317</u>	<u>125,000</u>	<u>145,000</u>	<u>165,000</u>	<u>185,000</u>	<u>210,000</u>
Total Annual Payment	6.11%	\$ 10,155	\$ 10,460	\$ 11,071	\$ 11,377	\$ 11,988	\$ 12,599	\$ 13,210	\$ 13,737	\$ 14,436	\$ 15,051	\$ 15,582	\$ 16,336
<b>Golf (LOCAP)</b>													
Annual Interest Payment		\$ 22,918	\$ 24,038	\$ 22,638	\$ 21,038	\$ 19,338	\$ 17,988	\$ 16,638	\$ 14,738	\$ 12,738	\$ 10,638	\$ 8,369	\$ 5,700
Annual Principal Payment		<u>40,000</u>	<u>40,000</u>	<u>40,000</u>	<u>40,000</u>	<u>45,000</u>	<u>45,000</u>	<u>45,000</u>	<u>50,000</u>	<u>50,000</u>	<u>55,000</u>	<u>55,000</u>	<u>60,000</u>
Total Annual Payment		\$ 62,918	\$ 64,038	\$ 62,638	\$ 61,038	\$ 64,338	\$ 62,988	\$ 61,638	\$ 64,738	\$ 62,738	\$ 65,638	\$ 63,369	\$ 65,700
<b>Wastewater Treatment Plant (LOCAP)</b>													
Annual Interest Payment		\$ 232,319	\$ 243,350	\$ 228,625	\$ 211,325	\$ 193,425	\$ 179,625	\$ 165,325	\$ 145,825	\$ 155,625	\$ 104,725	\$ 82,438	\$ 56,375
Annual Principal Payment		<u>425,000</u>	<u>415,000</u>	<u>425,000</u>	<u>440,000</u>	<u>455,000</u>	<u>470,000</u>	<u>480,000</u>	<u>495,000</u>	<u>515,000</u>	<u>530,000</u>	<u>550,000</u>	<u>575,000</u>
Total Annual Payment		\$ 657,319	\$ 658,350	\$ 653,625	\$ 651,325	\$ 648,425	\$ 649,625	\$ 645,325	\$ 640,825	\$ 670,625	\$ 634,725	\$ 632,438	\$ 631,375
<b>Wastewater Projects (LOCAP)</b>													
Annual Interest Payment		\$ 19,841	\$ 21,162	\$ 20,463	\$ 19,663	\$ 18,863	\$ 18,263	\$ 17,563	\$ 16,563	\$ 15,563	\$ 14,563	\$ 13,531	\$ 12,250
Annual Principal Payment		<u>20,000</u>	<u>20,000</u>	<u>20,000</u>	<u>20,000</u>	<u>20,000</u>	<u>20,000</u>	<u>25,000</u>	<u>25,000</u>	<u>25,000</u>	<u>25,000</u>	<u>25,000</u>	<u>30,000</u>
Total Annual Payment		\$ 39,841	\$ 41,162	\$ 40,463	\$ 39,663	\$ 38,863	\$ 38,263	\$ 42,563	\$ 41,563	\$ 40,563	\$ 39,563	\$ 38,531	\$ 42,250
<b>Mowers</b>													
Annual Interest Payment		\$ 654	\$ 306	\$ 21	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		<u>13,779</u>	<u>14,143</u>	<u>3,382</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total Annual Payment		\$ 14,433	\$ 14,449	\$ 3,404	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL OTHER LOANS</b>													
Annual Interest Payment (sewer portion only)		\$ 284,167	\$ 297,621	\$ 281,036	\$ 261,652	\$ 241,795	\$ 226,620	\$ 209,966	\$ 183,224	\$ 189,501	\$ 134,894	\$ 108,616	\$ 77,830
Annual Principal Payment (sewer portion only)		<u>500,498</u>	<u>490,838</u>	<u>490,164</u>	<u>501,750</u>	<u>521,817</u>	<u>536,854</u>	<u>552,769</u>	<u>577,638</u>	<u>598,860</u>	<u>620,082</u>	<u>641,304</u>	<u>677,831</u>
Total Annual Payment (sewer portion only)		\$ 784,665	\$ 788,459	\$ 771,200	\$ 763,402	\$ 763,613	\$ 763,474	\$ 762,735	\$ 760,862	\$ 788,361	\$ 754,976	\$ 749,920	\$ 755,661

**City of Cottage Grove**  
**Wastewater Utility**  
Existing Debt Input

Other Loans	Fiscal Year Ending 6/30:				
	2026	2027	2028	2029	2030
<b>PERS</b>					
Annual Interest Payment	\$ 43,498	\$ 27,400	\$ 9,248	\$ -	\$ -
Annual Principal Payment	<u>235,000</u>	<u>265,000</u>	<u>135,000</u>	<u>-</u>	<u>-</u>
Total Annual Payment	6.11% \$ 17,016	\$ 17,866	\$ 8,814	\$ -	\$ -
<b>Golf (LOCAP)</b>					
Annual Interest Payment	\$ 2,700	\$ 600	\$ -	\$ -	\$ -
Annual Principal Payment	<u>60,000</u>	<u>30,000</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total Annual Payment	\$ 62,700	\$ 30,600	\$ -	\$ -	\$ -
<b>Wastewater Treatment Plant (LOCAP)</b>					
Annual Interest Payment	\$ 27,000	\$ 6,000	\$ -	\$ -	\$ -
Annual Principal Payment	<u>600,000</u>	<u>300,000</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total Annual Payment	\$ 627,000	\$ 306,000	\$ -	\$ -	\$ -
<b>Wastewater Projects (LOCAP)</b>					
Annual Interest Payment	\$ 10,750	\$ 9,400	\$ 8,100	\$ 6,700	\$ 5,300
Annual Principal Payment	<u>30,000</u>	<u>30,000</u>	<u>35,000</u>	<u>35,000</u>	<u>35,000</u>
Total Annual Payment	\$ 40,750	\$ 39,400	\$ 43,100	\$ 41,700	\$ 40,300
<b>Mowers</b>					
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL OTHER LOANS</b>					
Annual Interest Payment (sewer portion only)	\$ 43,108	\$ 17,674	\$ 8,665	\$ 6,700	\$ 5,300
Annual Principal Payment (sewer portion only)	<u>704,359</u>	<u>376,192</u>	<u>43,249</u>	<u>35,000</u>	<u>35,000</u>
Total Annual Payment (sewer portion only)	\$ 747,466	\$ 393,866	\$ 51,914	\$ 41,700	\$ 40,300

**City of Cottage Grove  
Wastewater Utility  
Capital Improvement Program**

	0.00%	4.00%	8.16%
Project Costs in Year:			
Escalate Project Costs to Base Year:			

No	Description	2015	2016	2017
1	Grover down alley to Villard, Villard to North 10th Street, North 10th to Gibbs A\ \$	- \$	337,171 \$	-
2	Alley (Washington & Adams) from 3rd to 6th (895 feet)	-	-	183,531
3	Alley (Main/Ash) from "M" to "Q" (1,210 feet)	-	-	-
4	10th Street from Jefferson to Main Street across SPRR to north of intersection c	-	-	-
5	N. River Road from Main to Woodson (2,850)	-	-	-
6	Trailhead Park Sewer Relocation (680 feet)	-	-	-
7	Alley (East Main to Washington) from South 5th to Better Bodies Fitness Center	-	-	-
8	Intersection at Chamberlain/11th to Intersection at N. Goshen Highway	-	-	88,690
9	South 1st (Quincy to Madison) & (Jefferson to Madison) (900 feet)	-	-	-
10	Intersection at Grover/8th to intersection at Chadwick/10th	-	-	-
11	6th Street from Taylor to Harrison Avenues	-	-	-
12	704 Quincy	-	-	-
13	Rehabilitation/Replacement of Structurally Deficient Pipes in Basin A	-	-	90,760
14	Rehabilitation/Replacement of Structurally Deficient Pipes in Basin B	-	-	-
15	Rehabilitation/Replacement of Structurally Deficient Pipes in Basin C	-	-	-
16	Rehabilitation/Replacement of Structurally Deficient Pipes in Basin E	-	-	-
17	Rehabilitation/Replacement of Structurally Deficient Pipes in Basin D	-	-	-
18	Rehabilitation/Replacement of Structurally Deficient Pipes in Basin F	-	-	-
19	Inflow/Infiltration Corrective Work ***	-	-	-
20	Exit 174 irrigation for reuse effluent ***	-	-	-
21	Backup reuse effluent pump with vault ***	-	-	-
22	Drainage Projects at Golf Course ***	-	-	-
23	Miscellaneous Projects including CCTV inspections	-	-	-
<b>Total Capital Projects</b>		<b>\$ -</b>	<b>\$ 337,171</b>	<b>\$ 362,982</b>
Total R&R Projects		-	337,171	362,982
Total SDC Eligible Projects		-	-	-
Projects by Grants / Developer Donations		-	-	-
Projects by Enterprise Fund		-	337,171	362,982

**City of Cottage Grove  
Wastewater Utility**

**Capital Improvement Program**

12.49% 16.99% 21.67% 26.53% 31.59% 36.86% 42.33% 48.02% 53.95% 60.10% 66.51%

Project Costs in Year:
Escalate Project Costs to Base Year:

No	Description	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
1	Grover down alley to Villard, Villard to North 10th Street, North 10th to Gibbs A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2	Alley (Washington & Adams) from 3rd to 6th (895 feet)	-	-	-	-	-	-	-	-	-	-	-
3	Alley (Main/Ash) from "M" to "Q" (1,210 feet)	258,051	-	-	-	-	-	-	-	-	-	-
4	10th Street from Jefferson to Main Street across SPRR to north of Intersection	-	-	416,185	432,832	450,146	-	-	-	-	-	-
5	N. River Road from Main to Woodson (2,850)	-	-	-	-	-	369,745	384,534	-	-	-	-
6	Trailhead Park Sewer Relocation (680 feet)	-	-	-	-	-	-	-	190,837	-	-	-
7	Alley (East Main to Washington) from South 5th to Better Bodies Fitness Center	-	-	-	-	-	-	-	154,353	-	-	-
8	Intersection at Chamberlain/11th to Intersection at N. Goshen Highway	-	-	-	-	-	-	-	-	-	-	-
9	South 1st (Quincy to Madison) & (Jefferson to Madison) (900 feet)	191,339	-	-	-	-	-	-	-	-	-	-
10	Intersection at Grover/8th to Intersection at Chadwick/10th	-	-	-	-	-	-	-	-	650,183	-	-
11	6th Street from Taylor to Harrison Avenues	-	383,501	-	-	-	-	-	-	-	-	-
12	704 Quincy	-	-	-	-	-	-	-	-	-	-	-
13	Rehabilitation/Replacement of Structurally Deficient Pipes in Basin A	-	-	-	-	-	-	-	-	-	-	-
14	Rehabilitation/Replacement of Structurally Deficient Pipes in Basin B	-	-	-	-	-	-	-	-	-	614,911	639,508
15	Rehabilitation/Replacement of Structurally Deficient Pipes in Basin C	-	-	-	-	-	-	-	-	-	-	-
16	Rehabilitation/Replacement of Structurally Deficient Pipes in Basin E	-	-	-	-	-	-	-	-	-	-	-
17	Rehabilitation/Replacement of Structurally Deficient Pipes in Basin D	-	-	-	-	-	-	-	-	-	-	-
18	Rehabilitation/Replacement of Structurally Deficient Pipes in Basin F	-	-	-	-	-	-	-	-	-	-	-
19	Inflow/Infiltration Corrective Work ***	-	-	-	-	-	-	-	-	-	-	-
20	Exit 174 irrigation for reuse effluent ***	-	-	-	-	-	-	-	102,098	-	-	-
21	Backup reuse effluent pump with vault ***	-	-	-	-	-	-	-	-	-	-	-
22	Drainage Projects at Golf Course ***	-	-	-	-	-	-	-	-	-	-	-
23	Miscellaneous Projects including CCTV inspections	-	-	-	-	-	-	-	-	-	-	-
<b>Total Capital Projects</b>		<b>\$ 449,990</b>	<b>\$ 383,501</b>	<b>\$ 416,185</b>	<b>\$ 432,832</b>	<b>\$ 450,146</b>	<b>\$ 369,745</b>	<b>\$ 384,534</b>	<b>\$ 447,288</b>	<b>\$ 650,183</b>	<b>\$ 614,911</b>	<b>\$ 639,508</b>
Total R&R Projects		449,990	383,501	416,185	432,832	450,146	369,745	384,534	447,288	650,183	614,911	639,508
Total SDC Eligible Projects		-	-	-	-	-	-	-	-	-	-	-
Projects by Grants / Developer Donations		-	-	-	-	-	-	-	-	-	-	-
Projects by Enterprise Fund		449,990	383,501	416,185	432,832	450,146	369,745	384,534	447,288	650,183	614,911	639,508

**City of Cottage Grove  
Wastewater Utility  
Capital Improvement Program**

73.17% 80.09%

Project Costs in Year:	
Escalate Project Costs to Base Year:	

No	Description	2029	2030
1	Grover down alley to Villard, Villard to North 10th Street, North 10th to Gibbs A\ \$	-	\$ -
2	Alley (Washington & Adams) from 3rd to 6th (895 feet)	-	-
3	Alley (Main/Ash) from "M" to "Q" (1,210 feet)	-	-
4	10th Street from Jefferson to Main Street across SPRR to north of intersection c	-	-
5	N. River Road from Main to Woodson (2,850)	-	-
6	Trailhead Park Sewer Relocation (680 feet)	-	-
7	Alley (East Main to Washington) from South 5th to Better Bodies Fitness Centel	-	-
8	Intersection at Chamberlain/11th to Intersection at N. Goshen Highway	-	-
9	South 1st (Quincy to Madison) & (Jefferson to Madison) (900 feet)	-	-
10	Intersection at Grover/8th to Intersection at Chadwick/10th	-	-
11	6th Street from Taylor to Harrison Avenues	-	-
12	704 Quincy	-	-
13	Rehabilitation/Replacement of Structurally Deficient Pipes in Basin A	-	-
14	Rehabilitation/Replacement of Structurally Deficient Pipes in Basin B	-	-
15	Rehabilitation/Replacement of Structurally Deficient Pipes in Basin C	509,562	529,945
16	Rehabilitation/Replacement of Structurally Deficient Pipes in Basin E	-	-
17	Rehabilitation/Replacement of Structurally Deficient Pipes in Basin D	-	-
18	Rehabilitation/Replacement of Structurally Deficient Pipes in Basin F	-	-
19	Inflow/Infiltration Corrective Work ***	-	-
20	Exit 174 Irrigation for reuse effluent ***	-	-
21	Backup reuse effluent pump with vault ***	-	-
22	Drainage Projects at Golf Course ***	-	-
23	Miscellaneous Projects including CCTV inspections	-	-
<b>Total Capital Projects</b>		<b>\$ 509,562</b>	<b>\$ 529,945</b>
Total R&R Projects		509,562	529,945
Total SDC Eligible Projects		-	-
Projects by Grants / Developer Donations		-	-
Projects by Enterprise Fund		509,562	529,945

**City of Cottage Grove  
Wastewater Utility  
Capital Funding Analysis**

Summary of Expenditures	Fiscal Year Ending 6/30:							
	2014	2015	2016	2017	2018	2019	2020	2021
SDC Eligible Project Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
R&R Project Costs	-	-	337,171	362,982	449,990	383,501	416,185	432,832
Subtotal: Project Costs (Building & Improvements)	\$ -	\$ -	\$ 337,171	\$ 362,982	\$ 449,990	\$ 383,501	\$ 416,185	\$ 432,832
Internal Service Fund Transfer		General Cost Inflation	-	-	-	-	-	-
Street Fund Transfer		General Cost Inflation	-	-	-	-	-	-
Supplemental Budget (Materials/Svcs)		One-time	-	-	-	-	-	-
Capital Equip. & Project Fund Transfer		One-time	-	-	-	-	-	-
Capitalized Labor (Add'l Positions)	-	-	-	-	-	-	-	-
<b>TOTAL CAPITAL EXPENDITURES</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 337,171</b>	<b>\$ 362,982</b>	<b>\$ 449,990</b>	<b>\$ 383,501</b>	<b>\$ 416,185</b>	<b>\$ 432,832</b>

Capital Financing Plan	Fiscal Year Ending 6/30:							
	2014	2015	2016	2017	2018	2019	2020	2021
Project-Specific Grants / Developer Donations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Costs Remaining to be Funded	-	-	337,171	362,982	449,990	383,501	416,185	432,832
<b>OTHER FUNDING SOURCES [NOTE A]</b>								
Existing State Loan Proceeds								
State Loan Proceeds								
Other Loan Proceeds								
Capital Fund Balance	-	-	277,869	362,982	449,990	44,920	416,185	349,432
Revenue Bond Proceeds [Note B]	-	-	59,302	-	-	338,581	-	-
Rates	-	-	-	-	-	-	-	83,400
Total	\$ -	\$ -	\$ 337,171	\$ 362,982	\$ 449,990	\$ 383,501	\$ 416,185	\$ 432,832
<b>TOTAL CAPITAL RESOURCES</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 337,171</b>	<b>\$ 362,982</b>	<b>\$ 449,990</b>	<b>\$ 383,501</b>	<b>\$ 416,185</b>	<b>\$ 432,832</b>
<i>Info: Capital Contingency Deficit</i>	-	-	-	-	(109,376)	-	-	(126,859)

**NOTE A: SELECTION OF FUNDING SOURCE FOR REMAINING CAPITAL FUNDING NEEDS**

Select the Residual Funding Source	1	Revenue Bond Proceeds
1 - Revenue Bond Proceeds		
2 - Rates		

**NOTE B: USER INPUT FOR REVENUE BOND PROCEEDS**

Select Amount of Bond Proceeds	1	User Defined						
1 - Amounts at Right ==>								
2 - Calculated by the Model								
	\$ -	\$ -	\$ 798,000	\$ -	\$ -	\$ 1,025,000	\$ -	\$ -



**City of Cottage Grove  
Wastewater Utility  
Capital Funding Analysis**

Summary of Expenditures	Fiscal Year									
	2022	2023	2024	2025	2026	2027	2028	2029	2030	
SDC Eligible Project Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
R&R Project Costs	450,146	369,745	384,534	447,288	650,183	614,911	639,508	509,562	529,945	
Subtotal: Project Costs (Building & Improvements)	\$ 450,146	\$ 369,745	\$ 384,534	\$ 447,288	\$ 650,183	\$ 614,911	\$ 639,508	\$ 509,562	\$ 529,945	
Internal Service Fund Transfer	-	-	-	-	-	-	-	-	-	
Street Fund Transfer	-	-	-	-	-	-	-	-	-	
Supplemental Budget (Materials/Svsc)	-	-	-	-	-	-	-	-	-	
Capital Equip. & Project Fund Transfer	-	-	-	-	-	-	-	-	-	
Capitalized Labor (Add'l Positions)	-	-	-	-	-	-	-	-	-	
<b>TOTAL CAPITAL EXPENDITURES</b>	<b>\$ 450,146</b>	<b>\$ 369,745</b>	<b>\$ 384,534</b>	<b>\$ 447,288</b>	<b>\$ 650,183</b>	<b>\$ 614,911</b>	<b>\$ 639,508</b>	<b>\$ 509,562</b>	<b>\$ 529,945</b>	

Capital Financing Plan	Fiscal Year									
	2022	2023	2024	2025	2026	2027	2028	2029	2030	
Project-Specific Grants / Developer Donations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Costs Remaining to be Funded	450,146	369,745	384,534	447,288	650,183	614,911	639,508	509,562	529,945	
<b>OTHER FUNDING SOURCES [NOTE A]</b>										
Existing State Loan Proceeds										
State Loan Proceeds										
Other Loan Proceeds										
Capital Fund Balance	39,762	369,745	347,563	85,005	650,183	573,109	271,890	268,983	339,126	
Revenue Bond Proceeds [Note B]	410,383	-	-	362,283	-	-	-	-	-	
Rates	-	-	36,971	-	-	41,802	367,618	240,579	190,819	
Total	\$ 450,146	\$ 369,745	\$ 384,534	\$ 447,288	\$ 650,183	\$ 614,911	\$ 639,508	\$ 509,562	\$ 529,945	
<b>TOTAL CAPITAL RESOURCES</b>	<b>\$ 450,146</b>	<b>\$ 369,745</b>	<b>\$ 384,534</b>	<b>\$ 447,288</b>	<b>\$ 650,183</b>	<b>\$ 614,911</b>	<b>\$ 639,508</b>	<b>\$ 509,562</b>	<b>\$ 529,945</b>	
<i>Info: Capital Contingency Deficit</i>	-	-	(93,661)	-	-	-	-	-	-	

**NOTE A: SELECTION OF FUNDING SOURCE FOR REMAINING C**

Select the Residual Funding Source

- 1 - Revenue Bond Proceeds
- 2 - Rates

**NOTE B: USER INPUT FOR REVENUE BOND PROCEEDS**

Select Amount of Bond Proceeds

- 1 - Amounts at Right ==> \$ 1,037,000 \$ - \$ - \$ 1,500,000 \$ - \$ - \$ - \$ - \$ -
- 2 - Calculated by the Model

**City of Cottage Grove  
Wastewater Utility  
Capital Funding Analysis**

New Debt Computations	Fiscal Year Ending 6/30:							
	2014	2015	2016	2017	2018	2019	2020	2021
<b>REVENUE BONDS</b>								
Amount to Fund	\$ -	\$ -	\$ 798,000	\$ -	\$ -	\$ 1,025,000	\$ -	\$ -
Issuance Costs	-	-	8,739	-	-	11,225	-	-
Reserve Required	-	-	67,184	-	-	86,295	-	-
Amount of Debt Issue	\$ -	\$ -	\$ 873,923	\$ -	\$ -	\$ 1,122,520	\$ -	\$ -
<b>OTHER LOANS (SRF)</b>								
Amount to Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Issuance Costs	-	-	-	-	-	-	-	-
Amount of Debt Issue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>PWTF LOAN</b>								
Amount to Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Debt Service Summary</b>								
Debt Service Summary	Fiscal Year Ending 6/30:							
	2014	2015	2016	2017	2018	2019	2020	2021
<b>EXISTING DEBT SERVICE</b>								
Annual Interest Payments	\$ 300,528	\$ 312,161	\$ 295,622	\$ 275,276	\$ 254,337	\$ 238,065	\$ 220,262	\$ 192,343
Annual Principal Payments	556,111	513,390	512,016	524,565	545,714	561,848	578,912	598,532
Total Debt Service Payments	\$ 856,639	\$ 825,551	\$ 807,639	\$ 799,841	\$ 800,052	\$ 799,913	\$ 799,174	\$ 790,875
Revenue Bond Payments Only	-	-	-	-	-	-	-	-
<b>NEW DEBT SERVICE</b>								
Annual Interest Payments	\$ -	\$ -	\$ 39,327	\$ 38,073	\$ 36,763	\$ 85,907	\$ 82,867	\$ 79,689
Annual Principal Payments	-	-	27,857	29,111	30,421	67,571	70,612	73,790
Total Debt Service Payments	\$ -	\$ -	\$ 67,184	\$ 67,184	\$ 67,184	\$ 153,479	\$ 153,479	\$ 153,479
Revenue Bond Payments Only	-	-	67,184	67,184	67,184	153,479	153,479	153,479
<b>TOTAL DEBT SERVICE PAYMENTS</b>	<b>\$ 856,639</b>	<b>\$ 825,551</b>	<b>\$ 874,823</b>	<b>\$ 867,025</b>	<b>\$ 867,236</b>	<b>\$ 953,392</b>	<b>\$ 952,653</b>	<b>\$ 944,354</b>
Total Interest Payments	300,528	312,161	334,949	313,349	291,100	323,972	303,129	272,032
Total Principal Payments	556,111	513,390	539,874	553,676	576,135	629,419	649,524	672,322
Total Revenue Bond Payments Only	-	-	67,184	67,184	67,184	153,479	153,479	153,479

**City of Cottage Grove  
Wastewater Utility  
Capital Funding Analysis**

New Debt Computations	Fiscal Year									
	2022	2023	2024	2025	2026	2027	2028	2029	2030	
<b>REVENUE BONDS</b>										
Amount to Fund	\$ 1,037,000	\$ -	\$ -	\$ 1,500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Issuance Costs	11,357	-	-	16,427	-	-	-	-	-	-
Reserve Required	<u>87,305</u>	<u>-</u>	<u>-</u>	<u>126,285</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Amount of Debt Issue	\$ 1,135,662	\$ -	\$ -	\$ 1,642,713	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>OTHER LOANS (SRF)</b>										
Amount to Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Issuance Costs	-	-	-	-	-	-	-	-	-	-
Amount of Debt Issue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>PWTF LOAN</b>										
Amount to Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Debt Service Summary	Fiscal Year									
	2022	2023	2024	2025	2026	2027	2028	2029	2030	
<b>EXISTING DEBT SERVICE</b>										
Annual Interest Payments	\$ 197,527	\$ 141,797	\$ 114,338	\$ 82,324	\$ 46,285	\$ 19,481	\$ 9,031	\$ 6,700	\$ 5,300	
Annual Principal Payments	<u>620,848</u>	<u>643,193</u>	<u>665,595</u>	<u>703,350</u>	<u>731,194</u>	<u>404,398</u>	<u>57,889</u>	<u>35,000</u>	<u>35,000</u>	
Total Debt Service Payments	\$ 818,374	\$ 784,989	\$ 779,933	\$ 785,674	\$ 777,480	\$ 423,879	\$ 66,920	\$ 41,700	\$ 40,300	
Revenue Bond Payments Only	-	-	-	-	-	-	-	-	-	
<b>NEW DEBT SERVICE</b>										
Annual Interest Payments	\$ 127,473	\$ 122,374	\$ 117,046	\$ 185,400	\$ 177,225	\$ 168,682	\$ 159,754	\$ 150,425	\$ 140,676	
Annual Principal Payments	<u>113,311</u>	<u>118,410</u>	<u>123,738</u>	<u>181,670</u>	<u>189,845</u>	<u>198,388</u>	<u>207,315</u>	<u>216,644</u>	<u>226,393</u>	
Total Debt Service Payments	\$ 240,784	\$ 240,784	\$ 240,784	\$ 367,069	\$ 367,069	\$ 367,069	\$ 367,069	\$ 367,070	\$ 367,070	
Revenue Bond Payments Only	240,784	240,784	240,784	367,069	367,069	367,069	367,069	367,070	367,070	
<b>TOTAL DEBT SERVICE PAYMENTS</b>	<b>\$ 1,059,158</b>	<b>\$ 1,025,773</b>	<b>\$ 1,020,717</b>	<b>\$ 1,152,743</b>	<b>\$ 1,144,549</b>	<b>\$ 790,948</b>	<b>\$ 433,990</b>	<b>\$ 408,770</b>	<b>\$ 407,370</b>	
Total Interest Payments	325,000	264,171	231,384	267,724	223,510	188,163	168,785	157,125	145,976	
Total Principal Payments	734,158	761,602	789,333	885,020	921,039	602,786	265,204	251,644	261,393	
Total Revenue Bond Payments Only	240,784	240,784	240,784	367,069	367,069	367,069	367,069	367,070	367,070	

**City of Cottage Grove  
Wastewater Utility  
Revenue Requirements Analysis**

Cash Flow Sufficiency Test	Fiscal Year Ending 6/30:							
	2014	2015	2016	2017	2018	2019	2020	2021
<b>EXPENSES</b>								
Cash Operating Expenses	\$ 1,442,014	\$ 1,783,621	\$ 1,892,080	\$ 1,960,114	\$ 2,030,711	\$ 2,103,976	\$ 2,180,013	\$ 2,258,933
Existing Debt Service	856,639	825,551	807,639	799,841	800,052	799,913	799,174	790,875
New Debt Service	-	-	67,184	67,184	67,184	153,479	153,479	153,479
Rate-Funded CIP	-	-	-	-	-	-	-	83,400
Rate-Funded System Reinvestment	-	-	-	-	-	-	-	-
Additions Required to Meet Minimum Op. Fund Balance	-	-	-	-	-	-	-	-
<b>Total Expenses</b>	<b>\$ 2,298,653</b>	<b>\$ 2,609,172</b>	<b>\$ 2,766,903</b>	<b>\$ 2,827,138</b>	<b>\$ 2,897,947</b>	<b>\$ 3,057,367</b>	<b>\$ 3,132,665</b>	<b>\$ 3,286,687</b>
<b>REVENUES</b>								
Rate Revenue	\$ 2,040,042	\$ 2,179,085	\$ 2,194,339	\$ 2,209,699	\$ 2,225,167	\$ 2,240,743	\$ 2,256,428	\$ 2,272,223
Other Revenue	393,910	378,435	378,435	378,435	378,435	378,435	378,435	378,435
Interest Earnings (excluding Capital Fund)	1,278	1,734	1,409	2,091	2,551	3,180	3,969	4,368
<b>Total Revenue</b>	<b>\$ 2,435,230</b>	<b>\$ 2,559,254</b>	<b>\$ 2,574,183</b>	<b>\$ 2,590,225</b>	<b>\$ 2,606,153</b>	<b>\$ 2,622,358</b>	<b>\$ 2,638,832</b>	<b>\$ 2,655,027</b>
<b>USE OF OPERATING RESERVES</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>NET CASH FLOW (DEFICIENCY)</b>	<b>\$ 136,577</b>	<b>\$ (49,918)</b>	<b>\$ (192,720)</b>	<b>\$ (236,913)</b>	<b>\$ (291,794)</b>	<b>\$ (435,010)</b>	<b>\$ (493,833)</b>	<b>\$ (631,661)</b>

Coverage Sufficiency Test	Fiscal Year Ending 6/30:							
	2014	2015	2016	2017	2018	2019	2020	2021
<b>EXPENSES</b>								
Cash Operating Expenses	\$ 1,442,014	\$ 1,783,621	\$ 1,892,080	\$ 1,960,114	\$ 2,030,711	\$ 2,103,976	\$ 2,180,013	\$ 2,258,933
Maximum Annual Revenue Bond Debt Service	-	-	67,184	67,184	67,184	153,479	153,479	153,479
Revenue Bond Coverage Requirement at 1.5	-	-	33,592	33,592	33,592	76,739	76,739	76,739
<b>Total Expenses</b>	<b>\$ 1,442,014</b>	<b>\$ 1,783,621</b>	<b>\$ 1,992,856</b>	<b>\$ 2,060,889</b>	<b>\$ 2,131,487</b>	<b>\$ 2,334,194</b>	<b>\$ 2,410,231</b>	<b>\$ 2,489,151</b>
<b>ALLOWABLE REVENUES</b>								
Rate Revenue	\$ 2,040,042	\$ 2,179,085	\$ 2,194,339	\$ 2,209,699	\$ 2,225,167	\$ 2,240,743	\$ 2,256,428	\$ 2,272,223
Other Revenue	393,910	378,435	378,435	378,435	378,435	378,435	378,435	378,435
Interest Earnings - All Funds	6,354	3,296	3,216	7,140	5,510	3,472	8,673	6,640
<b>Total Revenue</b>	<b>\$ 2,440,306</b>	<b>\$ 2,560,816</b>	<b>\$ 2,575,989</b>	<b>\$ 2,595,274</b>	<b>\$ 2,609,112</b>	<b>\$ 2,622,650</b>	<b>\$ 2,643,536</b>	<b>\$ 2,657,298</b>
Coverage Realized	n/a	n/a	10.18	9.45	8.61	3.38	3.02	2.60
<b>COVERAGE SURPLUS (DEFICIENCY)</b>	<b>\$ 998,292</b>	<b>\$ 777,196</b>	<b>\$ 583,133</b>	<b>\$ 534,384</b>	<b>\$ 477,625</b>	<b>\$ 288,456</b>	<b>\$ 233,305</b>	<b>\$ 168,147</b>

**City of Cottage Grove  
Wastewater Utility  
Revenue Requirements Analysis**

Cash Flow Sufficiency Test	Fiscal Ye:									
	2022	2023	2024	2025	2026	2027	2028	2029	2030	
<b>EXPENSES</b>										
Cash Operating Expenses	\$ 2,340,851	\$ 2,425,888	\$ 2,514,168	\$ 2,605,822	\$ 2,700,985	\$ 2,799,799	\$ 2,902,413	\$ 3,008,978	\$ 3,119,657	
Existing Debt Service	818,374	784,989	779,933	785,674	777,480	423,879	66,920	41,700	40,300	
New Debt Service	240,784	240,784	240,784	367,069	367,069	367,069	367,069	367,070	367,070	
Rate-Funded CIP	-	-	36,971	-	-	41,802	367,618	240,579	190,819	
Rate-Funded System Reinvestment	-	-	-	-	-	-	-	-	-	
Additions Required to Meet Minimum Op. Fund Balance	-	-	-	-	-	-	-	-	-	
<b>Total Expenses</b>	<b>\$ 3,400,010</b>	<b>\$ 3,451,661</b>	<b>\$ 3,571,856</b>	<b>\$ 3,758,565</b>	<b>\$ 3,845,534</b>	<b>\$ 3,632,550</b>	<b>\$ 3,704,020</b>	<b>\$ 3,658,327</b>	<b>\$ 3,717,846</b>	
<b>REVENUES</b>										
Rate Revenue	\$ 2,288,129	\$ 2,304,146	\$ 2,320,275	\$ 2,336,517	\$ 2,352,872	\$ 2,369,342	\$ 2,385,928	\$ 2,402,629	\$ 2,419,448	
Other Revenue	378,435	378,435	378,435	378,435	378,435	378,435	378,435	378,435	378,435	
Interest Earnings (excluding Capital Fund)	4,450	5,067	5,451	5,592	6,418	6,414	6,870	7,035	7,205	
<b>Total Revenue</b>	<b>\$ 2,671,013</b>	<b>\$ 2,687,648</b>	<b>\$ 2,704,160</b>	<b>\$ 2,720,544</b>	<b>\$ 2,737,725</b>	<b>\$ 2,754,191</b>	<b>\$ 2,771,233</b>	<b>\$ 2,788,099</b>	<b>\$ 2,805,088</b>	
<b>USE OF OPERATING RESERVES</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	
<b>NET CASH FLOW (DEFICIENCY)</b>	<b>\$ (728,996)</b>	<b>\$ (764,013)</b>	<b>\$ (867,696)</b>	<b>\$ (1,038,022)</b>	<b>\$ (1,107,809)</b>	<b>\$ (878,359)</b>	<b>\$ (932,787)</b>	<b>\$ (870,228)</b>	<b>\$ (912,758)</b>	

Coverage Sufficiency Test	Fiscal Ye:									
	2022	2023	2024	2025	2026	2027	2028	2029	2030	
<b>EXPENSES</b>										
Cash Operating Expenses	\$ 2,340,851	\$ 2,425,888	\$ 2,514,168	\$ 2,605,822	\$ 2,700,985	\$ 2,799,799	\$ 2,902,413	\$ 3,008,978	\$ 3,119,657	
Maximum Annual Revenue Bond Debt Service	240,784	240,784	240,784	367,069	367,069	367,069	367,069	367,070	367,070	
Revenue Bond Coverage Requirement at 1.5	120,392	120,392	120,392	183,535	183,535	183,535	183,535	183,535	183,535	
<b>Total Expenses</b>	<b>\$ 2,702,027</b>	<b>\$ 2,787,064</b>	<b>\$ 2,875,344</b>	<b>\$ 3,156,426</b>	<b>\$ 3,251,589</b>	<b>\$ 3,350,404</b>	<b>\$ 3,453,017</b>	<b>\$ 3,559,583</b>	<b>\$ 3,670,261</b>	
<b>ALLOWABLE REVENUES</b>										
Rate Revenue	\$ 2,288,129	\$ 2,304,146	\$ 2,320,275	\$ 2,336,517	\$ 2,352,872	\$ 2,369,342	\$ 2,385,928	\$ 2,402,629	\$ 2,419,448	
Other Revenue	378,435	378,435	378,435	378,435	378,435	378,435	378,435	378,435	378,435	
Interest Earnings - All Funds	4,708	9,388	7,710	6,145	14,067	10,139	8,638	8,783	9,410	
<b>Total Revenue</b>	<b>\$ 2,671,272</b>	<b>\$ 2,691,968</b>	<b>\$ 2,706,419</b>	<b>\$ 2,721,096</b>	<b>\$ 2,745,374</b>	<b>\$ 2,757,916</b>	<b>\$ 2,773,000</b>	<b>\$ 2,789,847</b>	<b>\$ 2,807,292</b>	
Coverage Realized	1.37	1.11	0.80	0.31	0.12	(0.11)	(0.35)	(0.60)	(0.85)	
<b>COVERAGE SURPLUS (DEFICIENCY)</b>	<b>\$ (30,756)</b>	<b>\$ (95,096)</b>	<b>\$ (168,925)</b>	<b>\$ (435,330)</b>	<b>\$ (506,215)</b>	<b>\$ (592,487)</b>	<b>\$ (680,016)</b>	<b>\$ (769,735)</b>	<b>\$ (862,969)</b>	

**City of Cottage Grove  
Wastewater Utility  
Revenue Requirements Analysis**

		Fiscal Year Ending 6/30:							
		Fiscal Year Ending 6/30:							
<b>Maximum Revenue Deficiency</b>		2014	2015	2016	2017	2018	2019	2020	2021
Sufficiency Test Driving the Deficiency		<i>None</i>	<i>None</i>	<i>Cash</i>	<i>Cash</i>	<i>Cash</i>	<i>Cash</i>	<i>Cash</i>	<i>Cash</i>
Maximum Deficiency From Tests	\$	-	\$ 49,918	\$ 192,720	\$ 236,913	\$ 291,794	\$ 435,010	\$ 493,833	\$ 631,661
less: Net Revenue From Prior Rate Increases	\$	-	-	-	(232,018)	(309,866)	(391,171)	(473,419)	(559,202)
Revenue Deficiency	\$	-	\$ 49,918	\$ 192,720	\$ 4,895	\$ -	\$ 43,839	\$ 20,414	\$ 72,459
Plus: Adjustment for Taxes	\$	-	-	-	-	-	-	-	-
<b>Total Revenue Deficiency</b>	\$	-	\$ 49,918	\$ 192,720	\$ 4,895	\$ -	\$ 43,839	\$ 20,414	\$ 72,459

		Fiscal Year Ending 6/30:							
		Fiscal Year Ending 6/30:							
<b>Rate Increases</b>		2014	2015	2016	2017	2018	2019	2020	2021
Rate Revenue with no Increase	\$	2,040,042	\$ 2,179,085	\$ 2,194,339	\$ 2,209,699	\$ 2,225,167	\$ 2,240,743	\$ 2,256,428	\$ 2,272,223
Revenues from Prior Rate Increases		-	-	-	232,018	309,866	391,171	473,419	559,202
Rate Revenue Before Rate Increase (Incl. previous increases)	\$	2,040,042	2,179,085	2,194,339	2,441,717	2,535,032	2,631,914	2,729,847	2,831,425
Required Annual Rate Increase		0.00%	2.29%	8.78%	0.20%	0.00%	1.67%	0.75%	2.56%
Number of Months New Rates Will Be In Effect		12	12	12	12	12	12	12	12
Info: Percentage Increase to Generate Required Revenue		0.00%	2.29%	8.78%	0.20%	0.00%	1.67%	0.75%	2.56%
<b>Policy Induced Rate Increases</b>		0.00%	0.00%	10.50%	3.10%	3.10%	3.00%	3.00%	3.00%
<b>ANNUAL RATE INCREASE</b>		0.00%	0.00%	10.50%	3.10%	3.10%	3.00%	3.00%	3.00%
<b>CUMULATIVE RATE INCREASE</b>		0.00%	0.00%	10.50%	13.93%	17.46%	20.98%	24.61%	28.35%

		Fiscal Year Ending 6/30:							
		Fiscal Year Ending 6/30:							
<b>Impacts of Rate Increases</b>		2014	2015	2016	2017	2018	2019	2020	2021
Rate Revenues After Rate Increase	\$	2,040,042	\$ 2,179,085	\$ 2,424,744	\$ 2,517,411	\$ 2,613,618	\$ 2,710,871	\$ 2,811,743	\$ 2,916,368
Full Year Rate Revenues After Rate Increase		2,040,042	2,179,085	2,424,744	2,517,411	2,613,618	2,710,871	2,811,743	2,916,368
Additional Taxes/Franchise Fees Due to Rate Increases		-	-	-	-	-	-	-	-
Net Cash Flow After Rate Increase		136,577	(49,918)	37,685	70,799	96,658	35,118	61,481	12,484
Coverage After Rate Increase		n/a	n/a	13.61	14.03	14.39	6.44	6.64	6.79

**City of Cottage Grove  
Wastewater Utility  
Revenue Requirements Analysis**

Maximum Revenue Deficiency	Fiscal Ye:								
	2022	2023	2024	2025	2026	2027	2028	2029	2030
Sufficiency Test Driving the Deficiency	<i>Cash</i>	<i>Cash</i>	<i>Cash</i>	<i>Cash</i>	<i>Cash</i>	<i>Cash</i>	<i>None</i>	<i>None</i>	<i>None</i>
Maximum Deficiency From Tests	\$ 728,996	\$ 764,013	\$ 867,696	\$ 1,038,022	\$ 1,107,809	\$ 878,359	\$ 932,787	\$ 870,228	\$ 912,758
less: Net Revenue From Prior Rate Increases	(648,653)	(741,914)	(839,129)	(940,449)	(1,046,029)	(1,114,960)	(1,185,921)	(1,194,222)	(1,202,582)
Revenue Deficiency	\$ 80,343	\$ 22,099	\$ 28,567	\$ 97,573	\$ 61,780	\$ -	\$ -	\$ -	\$ -
Plus: Adjustment for Taxes	-	-	-	-	-	-	-	-	-
<b>Total Revenue Deficiency</b>	<b>\$ 80,343</b>	<b>\$ 22,099</b>	<b>\$ 28,567</b>	<b>\$ 97,573</b>	<b>\$ 61,780</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

Rate Increases	Fiscal Ye:								
	2022	2023	2024	2025	2026	2027	2028	2029	2030
Rate Revenue with no Increase	\$ 2,288,129	\$ 2,304,146	\$ 2,320,275	\$ 2,336,517	\$ 2,352,872	\$ 2,369,342	\$ 2,385,928	\$ 2,402,629	\$ 2,419,448
Revenues from Prior Rate Increases	648,653	741,914	839,129	940,449	1,046,029	1,114,960	1,185,921	1,194,222	1,202,582
Rate Revenue Before Rate Increase (Incl. previous increases)	2,936,782	3,046,060	3,159,404	3,276,965	3,398,901	3,484,302	3,571,848	3,596,851	3,622,029
Required Annual Rate Increase	2.74%	0.73%	0.90%	2.98%	1.82%	0.00%	0.00%	0.00%	0.00%
Number of Months New Rates Will Be In Effect	12	12	12	12	12	12	12	12	12
Info: Percentage Increase to Generate Required Revenue	2.74%	0.73%	0.90%	2.98%	1.82%	0.00%	0.00%	0.00%	0.00%
<b>Policy Induced Rate Increases</b>	<b>3.00%</b>	<b>3.00%</b>	<b>3.00%</b>	<b>3.00%</b>	<b>1.80%</b>	<b>1.80%</b>			
<b>ANNUAL RATE INCREASE</b>	<b>3.00%</b>	<b>3.00%</b>	<b>3.00%</b>	<b>3.00%</b>	<b>1.80%</b>	<b>1.80%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>
<b>CUMULATIVE RATE INCREASE</b>	<b>32.20%</b>	<b>36.17%</b>	<b>40.25%</b>	<b>44.46%</b>	<b>47.06%</b>	<b>49.70%</b>	<b>49.70%</b>	<b>49.70%</b>	<b>49.70%</b>

Impacts of Rate Increases	Fiscal Ye:								
	2022	2023	2024	2025	2026	2027	2028	2029	2030
Rate Revenues After Rate Increase	\$ 3,024,886	\$ 3,137,442	\$ 3,254,186	\$ 3,375,274	\$ 3,460,081	\$ 3,547,019	\$ 3,571,848	\$ 3,596,851	\$ 3,622,029
Full Year Rate Revenues After Rate Increase	3,024,886	3,137,442	3,254,186	3,375,274	3,460,081	3,547,019	3,571,848	3,596,851	3,622,029
Additional Taxes/Franchise Fees Due to Rate Increases	-	-	-	-	-	-	-	-	-
Net Cash Flow After Rate Increase	7,761	69,283	66,215	736	(600)	299,318	253,133	323,994	289,824
Coverage After Rate Increase	4.43	4.57	4.68	3.14	3.14	3.09	2.88	2.66	2.43

**City of Cottage Grove  
Wastewater Utility  
Fund Activity**

Funds	Fiscal Year Ending 6/30:		2014	2015	2016	2017	2018	2019	2020	2021						
<b>OPERATING FUND</b>																
Beginning Balance	\$	196,617	\$	266,758	\$	216,840	\$	254,525	\$	325,324	\$	421,982	\$	457,100	\$	518,581
plus: Net Cash Flow after Rate Increase		136,577		(49,918)		37,685		70,799		96,658		35,118		61,481		12,484
less: Transfer of Surplus to Capital Fund		(96,308)		-		-		-		-		-		-		-
Ending Balance	\$	236,886	\$	216,840	\$	254,525	\$	325,324	\$	421,982	\$	457,100	\$	518,581	\$	531,065
<i>Minimum Target Balance</i>		177,783		293,198		310,177		322,210		333,816		345,859		357,379		371,331
<i>Maximum Funds to be Kept as Operating Reserves</i>		236,886		439,505		466,231		482,995		500,391		518,444		537,180		556,627
<i>Info: No of Days of Cash Operating Expenses</i>		60		44		49		61		76		79		87		86
<b>CAPITAL FUND</b>																
Beginning Balance	\$	780,975	\$	240,352	\$	277,869	\$	776,710	\$	455,236	\$	44,920	\$	723,683	\$	349,432
plus: Rate-Funded System Reinvestment		-		-		-		-		-		-		-		-
plus: Grants / Developer Donations / Other Outside Sources		-		-		-		-		-		-		-		-
plus: System Development Charges		32,089		35,954		36,206		36,459		36,715		36,972		37,230		37,491
plus: Net Debt Proceeds Available for Projects		-		-		798,000		-		-		1,025,000		-		-
plus: Direct Rate Funding		-		-		-		-		-		-		-		83,400
plus: Interest Earnings		5,076		1,562		1,806		5,049		2,959		292		4,704		2,271
plus: Transfer of Surplus from Operating Fund		96,308		-		-		-		-		-		-		-
less: Capital Expenditures		-		-		(337,171)		(362,982)		(449,990)		(383,501)		(416,185)		(432,832)
Ending Balance	\$	914,448	\$	277,869	\$	776,710	\$	455,236	\$	44,920	\$	723,683	\$	349,432	\$	39,762
<i>Minimum Target Balance</i>	\$	142,795	\$	142,795	\$	146,166	\$	149,796	\$	154,296	\$	158,131	\$	162,293	\$	166,621
<b>DEBT RESERVE</b>																
Beginning Balance	\$	-	\$	-	\$	-	\$	67,184	\$	67,184	\$	67,184	\$	153,479	\$	153,479
plus: Reserve Funding from New Debt		-		-		67,184		-		-		86,295		-		-
less: Use of Reserves for Debt Service		-		-		-		-		-		-		-		-
Ending Balance	\$	-	\$	-	\$	67,184	\$	67,184	\$	67,184	\$	153,479	\$	153,479	\$	153,479
<i>Minimum Target Balance</i>		-		-		67,184		67,184		67,184		153,479		153,479		153,479



**City of Cottage Grove  
Wastewater Utility  
Fund Activity**

Funds	Fiscal Year Ending 6/30:									
	2022	2023	2024	2025	2026	2027	2028	2029	2030	
<b>OPERATING FUND</b>										
Beginning Balance	\$ 531,065	\$ 538,826	\$ 597,767	\$ 619,520	\$ 620,256	\$ 619,656	\$ 689,903	\$ 715,188	\$ 741,447	\$ 741,447
plus: Net Cash Flow after Rate Increase	7,761	69,283	66,215	736	(600)	299,318	253,133	323,994	289,824	289,824
less: Transfer of Surplus to Capital Fund	-	(10,342)	(44,462)	-	-	(229,071)	(227,848)	(297,735)	(262,552)	(262,552)
Ending Balance	\$ 538,826	\$ 597,767	\$ 619,520	\$ 620,256	\$ 619,656	\$ 689,903	\$ 715,188	\$ 741,447	\$ 768,720	\$ 768,720
<i>Minimum Target Balance</i>	<i>384,797</i>	<i>398,776</i>	<i>412,159</i>	<i>428,354</i>	<i>443,998</i>	<i>460,241</i>	<i>475,805</i>	<i>494,627</i>	<i>512,820</i>	<i>512,820</i>
<i>Maximum Funds to be Kept as Operating Reserves</i>	<i>576,813</i>	<i>597,767</i>	<i>619,520</i>	<i>642,105</i>	<i>665,554</i>	<i>689,903</i>	<i>715,188</i>	<i>741,447</i>	<i>768,720</i>	<i>768,720</i>
<i>Info: No of Days of Cash Operating Expenses</i>	<i>84</i>	<i>90</i>	<i>90</i>	<i>87</i>	<i>84</i>	<i>90</i>	<i>90</i>	<i>90</i>	<i>90</i>	<i>90</i>
<b>CAPITAL FUND</b>										
Beginning Balance	\$ 39,762	\$ 664,629	\$ 347,563	\$ 85,005	\$ 1,176,821	\$ 573,109	\$ 271,890	\$ 268,983	\$ 339,126	\$ 339,126
plus: Rate-Funded System Reinvestment	-	-	-	-	-	-	-	-	-	-
plus: Grants / Developer Donations / Other Outside Sources	-	-	-	-	-	-	-	-	-	-
plus: System Development Charges	37,753	38,018	38,284	38,552	38,822	39,093	39,367	39,643	39,920	39,920
plus: Net Debt Proceeds Available for Projects	1,037,000	-	-	1,500,000	-	-	-	-	-	-
plus: Direct Rate Funding	-	-	36,971	-	-	41,802	367,618	240,579	190,819	190,819
plus: Interest Earnings	258	4,320	2,259	553	7,649	3,725	1,767	1,748	2,204	2,204
plus: Transfer of Surplus from Operating Fund	-	10,342	44,462	-	-	229,071	227,848	297,735	262,552	262,552
less: Capital Expenditures	(450,146)	(369,745)	(384,534)	(447,288)	(650,183)	(614,911)	(639,508)	(509,562)	(529,945)	(529,945)
Ending Balance	\$ 664,629	\$ 347,563	\$ 85,005	\$ 1,176,821	\$ 573,109	\$ 271,890	\$ 268,983	\$ 339,126	\$ 304,676	\$ 304,676
<i>Minimum Target Balance</i>	<i>\$ 171,123</i>	<i>\$ 174,820</i>	<i>\$ 178,666</i>	<i>\$ 183,138</i>	<i>\$ 189,640</i>	<i>\$ 195,789</i>	<i>\$ 202,184</i>	<i>\$ 207,280</i>	<i>\$ 212,580</i>	<i>\$ 212,580</i>
<b>DEBT RESERVE</b>										
Beginning Balance	\$ 153,479	\$ 240,784	\$ 240,784	\$ 240,784	\$ 367,070	\$ 367,070	\$ 367,070	\$ 367,070	\$ 367,070	\$ 367,070
plus: Reserve Funding from New Debt	87,305	-	-	126,285	-	-	-	-	-	-
less: Use of Reserves for Debt Service	-	-	-	-	-	-	-	-	-	-
Ending Balance	\$ 240,784	\$ 240,784	\$ 240,784	\$ 367,070	\$ 367,070	\$ 367,070	\$ 367,070	\$ 367,070	\$ 367,070	\$ 367,070
<i>Minimum Target Balance</i>	<i>240,784</i>	<i>240,784</i>	<i>240,784</i>	<i>367,069</i>	<i>367,069</i>	<i>367,069</i>	<i>367,069</i>	<i>367,070</i>	<i>367,070</i>	<i>367,070</i>

## APPENDIX C: STORM DRAINAGE ANALYSIS

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Note: all data in gray-shaded cells with blue font are manual inputs.

**City of Cottage Grove  
Storm Drainage Utility  
Summary**

Capital Funding	Fiscal Year Ending 6/30:									
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Total Capital Projects</b>	\$ -	\$ -	\$ 1,163,542	\$ 593,490	\$ 1,195,337	\$ 819,658	\$ 902,400	\$ 977,202	\$ 1,204,560	\$ 1,225,930
Revenue Bond Proceeds	-	-	-	-	-	722,460	-	-	1,161,916	-
Use of Capital Fund Balance	-	-	1,163,542	593,490	983,251	97,198	902,400	666,810	42,644	1,225,930
Direct Rate Funding	-	-	-	-	212,086	-	-	310,392	-	-
<b>Total Funding Sources</b>	\$ -	\$ -	\$ 1,163,542	\$ 593,490	\$ 1,195,337	\$ 819,658	\$ 902,400	\$ 977,202	\$ 1,204,560	\$ 1,225,930

	Fiscal Year Ending 6/30:									
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Revenues</b>										
Rate Revenues Under Existing Rates	\$ 585,043	\$ 667,895	\$ 672,570	\$ 677,278	\$ 682,019	\$ 686,793	\$ 691,601	\$ 696,442	\$ 701,317	\$ 706,226
Non-Rate Revenues	1,436	1,316	1,005	1,491	1,640	1,665	2,676	2,703	2,731	4,129
<b>Total Revenues</b>	\$ 586,479	\$ 669,211	\$ 673,575	\$ 678,769	\$ 683,659	\$ 688,459	\$ 694,277	\$ 699,145	\$ 704,049	\$ 710,355
<b>Expenses</b>										
Cash Operating Expenses	\$ 221,794	\$ 252,775	\$ 317,151	\$ 410,276	\$ 425,896	\$ 442,141	\$ 459,036	\$ 476,608	\$ 494,886	\$ 513,899
Existing Debt Service	133,314	102,435	98,842	102,014	100,159	98,804	102,349	95,660	93,626	96,472
New Debt Service	-	-	58,933	58,933	58,933	210,476	210,476	210,476	420,951	420,951
<b>Total Expenses</b>	\$ 355,108	\$ 355,210	\$ 474,926	\$ 571,223	\$ 797,075	\$ 751,421	\$ 771,861	\$ 1,093,136	\$ 1,009,463	\$ 1,031,322
<b>Annual Surplus / (Deficiency)</b>	\$ 231,372	\$ 314,001	\$ 198,649	\$ 107,546	\$ (113,415)	\$ (62,963)	\$ (77,584)	\$ (393,990)	\$ (305,414)	\$ (320,967)
Net Revenue from Rate Increases	-	-	53,133	111,237	174,744	244,126	319,892	402,598	492,849	590,095
<b>Net Surplus / (Deficiency)</b>	\$ 231,372	\$ 314,001	\$ 251,782	\$ 218,783	\$ 61,329	\$ 181,163	\$ 242,308	\$ 8,608	\$ 187,434	\$ 269,129
<b>Annual Rate Adjustment</b>	0.00%	0.00%	7.90%	7.90%	7.90%	7.90%	7.90%	7.90%	7.90%	7.80%
<b>Cumulative Rate Adjustment</b>	0.00%	0.00%	7.90%	16.42%	25.62%	35.55%	46.25%	57.81%	70.27%	83.56%
<b>Rates for Average Single-Family Residence</b>										
Base rate	\$ 3.23	\$ 3.37	\$ 3.64	\$ 3.92	\$ 4.23	\$ 4.57	\$ 4.93	\$ 5.32	\$ 5.74	\$ 6.19
Improvement rate	4.24	5.15	5.56	6.00	6.47	6.98	7.53	8.13	8.77	9.45
<b>Total</b>	\$ 7.47	\$ 8.52	\$ 9.19	\$ 9.92	\$ 10.70	\$ 11.55	\$ 12.46	\$ 13.45	\$ 14.51	\$ 15.64
Rate Revenues After Rate Increase	\$ 585,043	\$ 667,895	\$ 725,703	\$ 788,515	\$ 856,763	\$ 930,919	\$ 1,011,493	\$ 1,099,040	\$ 1,194,166	\$ 1,296,322
Net Cash Flow After Rate Increase	231,372	314,001	251,782	218,783	61,329	181,163	242,308	8,608	187,434	269,129
Coverage After Rate Increases	n/a	n/a	7.12	6.59	7.45	2.33	2.68	2.99	1.67	1.89

Fund Balances	Fiscal Year Ending 6/30:									
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Operating Fund	\$ 36,435	\$ 62,287	\$ 78,150	\$ 101,097	\$ 104,946	\$ 108,949	\$ 113,112	\$ 117,442	\$ 121,946	\$ 126,631
Capital Fund	2,158,540	1,523,957	1,339,105	983,251	97,198	1,288,892	666,810	42,644	1,555,562	638,697
Debt Reserve Fund	-	-	58,933	58,933	58,933	210,476	210,476	210,476	420,951	420,951
<b>Total</b>	\$ 2,194,975	\$ 1,586,243	\$ 1,476,188	\$ 1,143,281	\$ 261,077	\$ 1,608,316	\$ 990,398	\$ 370,562	\$ 2,098,459	\$ 1,186,279
Combined Minimum Target Balance	\$ 51,568	\$ 65,776	\$ 146,784	\$ 168,170	\$ 182,691	\$ 345,100	\$ 356,696	\$ 369,562	\$ 595,088	\$ 610,473

**City of Cottage Grove  
Storm Drainage Utility  
Summary**

Capital Funding	Fiscal Year							
	2024	2025	2026	2027	2028	2029	2030	
<b>Total Capital Projects</b>	\$ 906,104	\$ 1,309,127	\$ 1,361,492	\$ 1,266,511	\$ 1,317,172	\$ 1,585,119	\$ 1,072,552	
Revenue Bond Proceeds	-	1,179,881	-	-	1,192,276	-	-	
Use of Capital Fund Balance	638,697	129,246	1,361,492	889,489	124,896	1,585,119	854,108	
Direct Rate Funding	267,407	-	-	377,023	-	-	218,443	
<b>Total Funding Sources</b>	\$ 906,104	\$ 1,309,127	\$ 1,361,492	\$ 1,266,511	\$ 1,317,172	\$ 1,585,119	\$ 1,072,552	

Fiscal Year Ending 6/30:	2024	2025	2026	2027	2028	2029	2030	
<b>Revenues</b>								
Rate Revenues Under Existing Rates	\$ 711,170	\$ 716,148	\$ 721,161	\$ 726,209	\$ 731,293	\$ 736,412	\$ 741,567	
Non-Rate Revenues	4,159	4,191	5,756	5,790	5,826	7,396	7,434	
<b>Total Revenues</b>	\$ 715,329	\$ 720,339	\$ 726,917	\$ 732,000	\$ 737,119	\$ 743,807	\$ 749,001	
<b>Expenses</b>								
Cash Operating Expenses	\$ 533,678	\$ 554,256	\$ 575,666	\$ 597,944	\$ 621,127	\$ 645,252	\$ 670,360	
Existing Debt Service	94,123	96,402	98,188	85,160	95,192	90,100	92,000	
New Debt Service	420,951	656,684	656,684	656,684	892,417	892,417	892,417	
<b>Total Expenses</b>	\$ 1,316,160	\$ 1,307,342	\$ 1,330,539	\$ 1,716,811	\$ 1,608,735	\$ 1,627,769	\$ 1,873,221	
<b>Annual Surplus / (Deficiency)</b>	\$ (600,830)	\$ (587,003)	\$ (603,621)	\$ (984,811)	\$ (871,616)	\$ (883,962)	\$ (1,124,220)	
Net Revenue from Rate Increases	696,047	811,451	937,117	1,073,928	1,222,840	1,290,434	1,299,467	
<b>Net Surplus / (Deficiency)</b>	\$ 95,217	\$ 224,448	\$ 333,496	\$ 89,117	\$ 351,223	\$ 406,472	\$ 175,247	
<b>Annual Rate Adjustment</b>	7.80%	7.80%	7.80%	7.80%	7.80%	3.00%	0.00%	
<b>Cumulative Rate Adjustment</b>	97.87%	113.31%	129.95%	147.88%	167.22%	175.23%	175.23%	
<b>Rates for Average Single-Family Residence</b>								
Base rate	\$ 6.67	\$ 7.19	\$ 7.75	\$ 8.35	\$ 9.01	\$ 9.29	\$ 9.28	
Improvement rate	10.19	10.99	11.84	12.77	13.76	14.17	14.17	
<b>Total</b>	\$ 16.86	\$ 18.17	\$ 19.59	\$ 21.12	\$ 22.77	\$ 23.45	\$ 23.45	
Rate Revenues After Rate Increase	\$ 1,407,217	\$ 1,527,599	\$ 1,658,279	\$ 1,800,138	\$ 1,954,132	\$ 2,026,846	\$ 2,041,034	
Net Cash Flow After Rate Increase	95,217	224,448	333,496	89,117	351,223	406,472	175,247	
Coverage After Rate Increases	2.09	1.49	1.68	1.85	1.50	1.57	1.55	

Fund Balances	Fiscal Year							
	2024	2025	2026	2027	2028	2029	2030	
Operating Fund	\$ 131,504	\$ 136,575	\$ 141,851	\$ 147,340	\$ 153,053	\$ 158,998	\$ 165,185	
Capital Fund	129,246	1,875,331	889,489	124,896	1,989,781	854,108	210,849	
Debt Reserve Fund	420,951	656,684	656,684	656,684	892,417	892,417	892,417	
<b>Total</b>	\$ 681,702	\$ 2,668,590	\$ 1,688,024	\$ 928,920	\$ 3,035,251	\$ 1,905,523	\$ 1,268,450	
Combined Minimum Target Balance	\$ 622,546	\$ 874,992	\$ 892,126	\$ 908,454	\$ 1,160,890	\$ 1,180,986	\$ 1,195,839	

**City of Cottage Grove  
Storm Drainage Utility  
Assumptions**

<b>Economic &amp; Financial Factors</b>		<b>Fiscal Year Ending 6/30:</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
1	General Cost Inflation		3.20%	3.20%	3.20%	3.20%	3.20%	3.20%	3.20%	3.20%	3.20%
2	Construction Cost Inflation		2.33%	3.16%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
3	Labor Cost Inflation		3.07%	3.07%	3.07%	3.07%	3.07%	3.07%	3.07%	3.07%	3.07%
4	Benefit Cost Inflation		3.07%	4.03%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
5	General Inflation plus Growth		3.93%	3.93%	3.93%	3.93%	3.93%	3.93%	3.93%	3.93%	3.93%
6	Unused 1		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
7	Unused 1 plus Growth		0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%
8	No Escalation		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Fund Earnings		0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%
	Unused 2		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Franchise Fee		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
9	Customer Growth		0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%
	Cumulative Customer Growth		0.70%	1.40%	2.11%	2.83%	3.55%	4.27%	5.00%	5.74%	6.48%
	Population at beginning of fiscal year		9,785	9,853	9,922	9,992	10,062	10,132	10,203	10,275	10,347

**City of Cottage Grove  
Storm Drainage Utility  
Assumptions**

<b>Economic &amp; Financial Factors</b>		<b>Fiscal Year Ending 6/30:</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>
1	General Cost Inflation		3.20%	3.20%	3.20%	3.20%	3.20%	3.20%	3.20%	3.20%
2	Construction Cost Inflation		4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
3	Labor Cost Inflation		3.07%	3.07%	3.07%	3.07%	3.07%	3.07%	3.07%	3.07%
4	Benefit Cost Inflation		5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
5	General Inflation plus Growth		3.93%	3.93%	3.93%	3.93%	3.93%	3.93%	3.93%	3.93%
6	Unused 1		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
7	Unused 1 plus Growth		0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%
8	No Escalation		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Fund Earnings		0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%
	Unused 2		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Franchise Fee		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
9	Customer Growth		0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%
	Cumulative Customer Growth		7.22%	7.98%	8.73%	9.49%	10.26%	11.03%	11.81%	12.59%
	Population at beginning of fiscal year		10,419	10,492	10,565	10,639	10,714	10,789	10,864	10,940

**City of Cottage Grove  
Storm Drainage Utility  
Assumptions**

<b>Accounting Assumptions</b>	<b>Fiscal Year Ending 6/30:</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
<b>FISCAL POLICY RESTRICTIONS</b>										
Min. Op. Fund Balance Target (days of O&M expense)		45	60	60	60	60	60	60	60	60
Max. Op. Fund Balance (days of O&M expense)		60	90	90	90	90	90	90	90	90
Minimum Capital Fund Balance Target										
Select Minimum Capital Fund Balance Target	1	Defined as % of Plant								
1 - Defined as % of Plant										
Plant-in-Service in 2013	\$ 2,422,378									
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%
2 - Amount at Right ==>										
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>RATE FUNDED SYSTEM REINVESTMENT</b>										
Select Reinvestment Funding Strategy	4	System Reinvestment is not Funded								
<b>Amount of Annual Cash Funding from Rates</b>										
1 - Equal to Annual Depreciation Expense										
2 - Equal to Annual Depreciation Expense less Annual Debt Principal Payments										
3 - Equal to Amount at Right ==>										
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4 - Do Not Fund System Reinvestment										
System Reinvestment Policy Implementation (%)		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

## City of Cottage Grove Storm Drainage Utility

### Assumptions

Accounting Assumptions	Fiscal Year Ending 6/30:	2023	2024	2025	2026	2027	2028	2029	2030
<b>FISCAL POLICY RESTRICTIONS</b>									
Min. Op. Fund Balance Target (days of O&M expense)		60	60	60	60	60	60	60	60
Max. Op. Fund Balance (days of O&M expense)		90	90	90	90	90	90	90	90
<b>Minimum Capital Fund Balance Target</b>									
Select Minimum Capital Fund Balance Target		1							
<b>1 - Defined as % of Plant</b>									
Plant-in-Service in 2013		\$ 2,422,378							
Minimum Capital Fund Balance - % of plant assets		1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
<b>2 - Amount at Right ==&gt;</b>									
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>RATE FUNDED SYSTEM REINVESTMENT</b>									
Select Reinvestment Funding Strategy		4							
<b>Amount of Annual Cash Funding from Rates</b>									
1 - Equal to Annual Depreciation Expense									
2 - Equal to Annual Depreciation Expense less Annual Debt Principal									
3 - Equal to Amount at Right ==>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4 - Do Not Fund System Reinvestment									
System Reinvestment Policy Implementation (%)		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%



## City of Cottage Grove Storm Drainage Utility

### Assumptions

#### Capital Financing Assumptions

##### SYSTEM DEVELOPMENT CHARGE (SDC) REVENUES

Select SDC Alternative	1
1 - User Input (Current Charge)	\$ 694
2 - Calculated Charge	

Current Charge is in use  
per ESU

Fiscal Year Ending 6/30:	2014	2015	2016	2017	2018	2019	2020	2021	2022
Equivalent service units	6,713	6,760	6,808	6,855	6,903	6,952	7,000	7,049	7,099
System Development Charge Revenues	\$ 21,641	\$ 20,000	\$ 32,865	\$ 33,095	\$ 33,327	\$ 33,560	\$ 33,795	\$ 34,032	\$ 34,270

##### REVENUE BONDS

Term (years)	20	20	20	20	20	20	20	20	20
Interest Only Period (First n years)	0	0	0	0	0	0	0	0	0
Interest Cost	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%
Issuance Cost	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Revenue Bond Coverage Requirement	1.50								

##### LOANS

Term (years; no more than 20 years)	20	20	20	20	20	20	20	20	20
Interest Cost	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%

##### GENERAL OBLIGATION BONDS

Term (years)	20	20	20	20	20	20	20	20	20
Interest Cost	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%
Issuance Cost	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%

**City of Cottage Grove**  
**Storm Drainage Utility**  
**Assumptions**

**Capital Financing Assumptions** Fiscal Year Ending 6/30: 2023 2024 2025 2026 2027 2028 2029 2030

**SYSTEM DEVELOPMENT CHARGE (SDC) REVENUES**

Select SDC Alternative	1
1 - User Input (Current Charge)	\$ 694
2 - Calculated Charge	

Equivalent service units		7,148	7,198	7,249	7,300	7,351	7,402	7,454	7,506
System Development Charge Revenues	\$	34,510	\$ 34,751	\$ 34,995	\$ 35,240	\$ 35,486	\$ 35,735	\$ 35,985	\$ 36,237

**REVENUE BONDS**

Term (years)	20	20	20	20	20	20	20	20
Interest Only Period (First n years)	0	0	0	0	0	0	0	0
Interest Cost	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%
Issuance Cost	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Revenue Bond Coverage Requirement	1.50							

**LOANS**

Term (years; no more than 20 years)	20	20	20	20	20	20	20	20
Interest Cost	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%

**GENERAL OBLIGATION BONDS**

Term (years)	20	20	20	20	20	20	20	20
Interest Cost	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%
Issuance Cost	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%

**City of Cottage Grove  
Storm Drainage Utility  
Operating Revenue and Expenditure Forecast**

			Budget	Budget	Projection	Projection	Projection	Projection	Projection	Projection
Fiscal Year Ending 6/30:			2014	2015	2016	2017	2018	2019	2020	2021
<b>Revenues</b>										
Rate Revenue										
Strom Drain Utility Fund										
45050 Storm Drainage Fees	9	Customer Growth	\$ 252,754	\$ 264,900	\$ 266,754	\$ 268,622	\$ 270,502	\$ 272,395	\$ 274,302	\$ 276,222
Storm Drain Reserve Fund										
45051 Storm Drainage Surcharge	9	Customer Growth	332,289	402,995	405,816	408,657	411,517	414,398	417,299	420,220
[Other]	8	No Escalation	-	-	-	-	-	-	-	-
Rate Revenues			\$ 585,043	\$ 667,895	\$ 672,570	\$ 677,278	\$ 682,019	\$ 686,793	\$ 691,601	\$ 696,442
Non-Rate Revenue										
54010 Credit Bureau	8	No Escalation	-	400	400	400	400	400	400	400
54060 Miscellaneous Revenue	8	No Escalation	915	200	200	200	200	200	200	200
[Other]	8	No Escalation	-	-	-	-	-	-	-	-
Total Non-Rate Revenue			915	600	600	600	600	600	600	600
<b>TOTAL REVENUES</b>			<b>\$ 585,958</b>	<b>\$ 668,495</b>	<b>\$ 673,170</b>	<b>\$ 677,878</b>	<b>\$ 682,619</b>	<b>\$ 687,393</b>	<b>\$ 692,201</b>	<b>\$ 697,042</b>
<b>Expenditures</b>										
Fiscal Year Ending 6/30:										
2014 2015 2016 2017 2018 2019 2020 2021										
<b>Personnel Services</b>										
60240 Utilities Clerk	3	Labor Cost Inflation	\$ -	\$ 2,080	\$ 2,144	\$ 2,210	\$ 2,277	\$ 2,347	\$ 2,419	\$ 2,493
60250 Finance Clerk	3	Labor Cost Inflation	-	1,630	1,690	1,731	1,785	1,839	1,896	1,954
60400 Public Works Director	3	Labor Cost Inflation	-	6,425	6,622	6,825	7,034	7,250	7,472	7,702
60410 Administrative Aide	3	Labor Cost Inflation	-	2,310	2,391	2,454	2,529	2,607	2,687	2,769
60420 Clerical Assistant	3	Labor Cost Inflation	-	3,325	3,427	3,532	3,640	3,752	3,867	3,986
60425 Permit Specialist	3	Labor Cost Inflation	-	-	-	-	-	-	-	-
60430 City Engineer	3	Labor Cost Inflation	-	6,325	6,519	6,719	6,925	7,137	7,356	7,582
60440 Utilities Maint. Supervisor	3	Labor Cost Inflation	-	7,060	7,276	7,500	7,730	7,967	8,211	8,463
60450 Fleet and Facilities Manager	3	Labor Cost Inflation	-	5,725	5,901	6,081	6,268	6,460	6,658	6,862
60480 Utility Maintenance Workers	3	Labor Cost Inflation	-	73,775	76,037	78,369	80,772	83,249	85,802	88,433
61000 Seasonal Worker	3	Labor Cost Inflation	-	-	-	-	-	-	-	-
61100 Overtime	4	Benefit Cost Inflation	-	900	945	992	1,042	1,094	1,149	1,206
62010 Workers' Compensation	4	Benefit Cost Inflation	-	3,510	3,696	3,970	4,063	4,266	4,480	4,704
62020 Unemployment	4	Benefit Cost Inflation	-	880	924	970	1,019	1,070	1,123	1,179
62030 FICA	4	Benefit Cost Inflation	-	8,380	8,799	9,239	9,701	10,186	10,695	11,230
63010 Life Insurance	4	Benefit Cost Inflation	-	80	84	88	93	97	102	107
63020 Retirement	4	Benefit Cost Inflation	-	22,440	23,562	24,740	25,977	27,276	28,640	30,072
63030 Disability Insurance	4	Benefit Cost Inflation	-	605	635	667	700	735	772	811
63040 Health Insurance	4	Benefit Cost Inflation	-	39,385	41,354	43,422	45,593	47,873	50,266	52,780
[Other]	1	General Cost Inflation	-	-	-	-	-	-	-	-
<b>Subtotal Personnel Services</b>			<b>\$ 167,160</b>	<b>\$ 184,835</b>	<b>\$ 191,976</b>	<b>\$ 199,409</b>	<b>\$ 207,148</b>	<b>\$ 215,205</b>	<b>\$ 223,595</b>	<b>\$ 232,331</b>
<b>Materials and Services</b>										
70100 Audit Expense	1	General Cost Inflation	\$ -	\$ 515	\$ 531	\$ 549	\$ 566	\$ 584	\$ 603	\$ 622
70400 Insurance and Bonds	1	General Cost Inflation	-	1,800	1,858	1,917	1,979	2,042	2,107	2,175
71000 Contractual Services	1	General Cost Inflation	-	2,500	2,580	2,663	2,748	2,836	2,927	3,021
71500 Electricity	1	General Cost Inflation	-	1,000	1,032	1,065	1,099	1,134	1,171	1,208
71520 Telephone	1	General Cost Inflation	-	2,000	2,064	2,130	2,198	2,269	2,342	2,417
71530 Natural Gas	1	General Cost Inflation	-	1,000	1,032	1,065	1,099	1,134	1,171	1,208
71540 Fuel and Lubricants	1	General Cost Inflation	-	2,850	2,941	3,036	3,133	3,233	3,337	3,444
71560 Communications Service	1	General Cost Inflation	-	500	516	533	550	567	585	604

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**City of Cottage Grove  
Storm Drainage Utility  
Operating Revenue and Expend**

	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection
<b>Revenues</b>	2022	2023	2024	2025	2026	2027	2028	2029	2030
<b>Rate Revenue</b>									
Storm Drain Utility Fund									
45050 Storm Drainage Fees	\$ 278,156	\$ 280,103	\$ 282,064	\$ 284,038	\$ 286,026	\$ 288,029	\$ 290,045	\$ 292,075	\$ 294,120
Storm Drain Reserve Fund									
45051 Storm Drainage Surcharge	423,161	426,123	429,106	432,110	435,135	438,181	441,248	444,337	447,447
[Other]	-	-	-	-	-	-	-	-	-
Rate Revenues	\$ 701,317	\$ 706,226	\$ 711,170	\$ 716,148	\$ 721,161	\$ 726,209	\$ 731,293	\$ 736,412	\$ 741,567
<b>Non-Rate Revenue</b>									
54010 Credit Bureau	400	400	400	400	400	400	400	400	400
54060 Miscellaneous Revenue	200	200	200	200	200	200	200	200	200
[Other]	-	-	-	-	-	-	-	-	-
Total Non-Rate Revenue	600	600	600	600	600	600	600	600	600
<b>TOTAL REVENUES</b>	<b>\$ 701,917</b>	<b>\$ 706,826</b>	<b>\$ 711,770</b>	<b>\$ 716,748</b>	<b>\$ 721,761</b>	<b>\$ 726,809</b>	<b>\$ 731,893</b>	<b>\$ 737,012</b>	<b>\$ 742,167</b>
<b>Expenditures</b>									
	2022	2023	2024	2025	2026	2027	2028	2029	2030
<b>Personnel Services</b>									
60240 Utilities Clerk	\$ 2,570	\$ 2,649	\$ 2,730	\$ 2,813	\$ 2,900	\$ 2,989	\$ 3,080	\$ 3,175	\$ 3,272
60250 Finance Clerk	2,014	2,076	2,139	2,205	2,272	2,342	2,414	2,488	2,564
60400 Public Works Director	7,938	8,181	8,432	8,691	8,957	9,232	9,515	9,807	10,107
60410 Administrative Aide	2,854	2,941	3,032	3,125	3,220	3,319	3,421	3,526	3,634
60420 Clerical Assistant	4,108	4,234	4,364	4,497	4,635	4,777	4,924	5,075	5,231
60425 Permit Specialist	-	-	-	-	-	-	-	-	-
60430 City Engineer	7,814	8,054	8,301	8,555	8,818	9,088	9,367	9,654	9,950
60440 Utilities Maint. Supervisor	8,722	8,990	9,265	9,549	9,842	10,144	10,455	10,776	11,106
60450 Fleet and Facilities Manager	7,073	7,290	7,513	7,744	7,981	8,226	8,478	8,738	9,006
60480 Utility Maintenance Workers	91,145	93,940	96,820	99,789	102,849	106,003	109,253	112,604	116,057
61000 Seasonal Worker	-	-	-	-	-	-	-	-	-
61100 Overtime	1,266	1,330	1,396	1,466	1,539	1,616	1,697	1,782	1,871
62010 Workers' Compensation	4,939	5,186	5,445	5,717	6,003	6,303	6,619	6,950	7,297
62020 Unemployment	1,298	1,300	1,365	1,433	1,505	1,580	1,659	1,742	1,829
62030 FICA	11,792	12,381	13,000	13,650	14,333	15,049	15,802	16,592	17,421
63010 Life Insurance	113	118	124	130	137	144	151	158	166
63020 Retirement	31,575	33,154	34,812	36,552	38,380	40,289	42,314	44,430	46,651
63030 Disability Insurance	851	894	939	985	1,035	1,086	1,141	1,198	1,258
63040 Health Insurance	55,419	58,190	61,099	64,154	67,362	70,730	74,266	77,980	81,879
[Other]	-	-	-	-	-	-	-	-	-
<b>Subtotal Personnel Services</b>	<b>\$ 241,430</b>	<b>\$ 250,906</b>	<b>\$ 260,776</b>	<b>\$ 271,057</b>	<b>\$ 281,769</b>	<b>\$ 292,928</b>	<b>\$ 304,556</b>	<b>\$ 316,673</b>	<b>\$ 329,300</b>
<b>Materials and Services</b>									
70100 Audit Expense	\$ 642	\$ 663	\$ 684	\$ 706	\$ 729	\$ 752	\$ 776	\$ 801	\$ 826
70400 Insurance and Bonds	2,245	2,316	2,391	2,467	2,546	2,628	2,712	2,799	2,889
71000 Contractual Services	3,117	3,217	3,320	3,427	3,537	3,650	3,767	3,887	4,012
71500 Electricity	1,247	1,287	1,328	1,371	1,415	1,460	1,507	1,555	1,605
71520 Telephone	2,494	2,574	2,656	2,741	2,829	2,920	3,013	3,110	3,210
71530 Natural Gas	1,247	1,287	1,328	1,371	1,415	1,460	1,507	1,555	1,605
71540 Fuel and Lubricants	3,554	3,668	3,785	3,907	4,032	4,161	4,294	4,432	4,574
71560 Communications Service	623	643	664	685	707	730	753	777	802

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**City of Cottage Grove  
Storm Drainage Utility  
Operating Revenue and Expenditure Forecast**

			Budget	Budget	Projection	Projection	Projection	Projection	Projection	Projection
			2014	2015	2016	2017	2018	2019	2020	2021
<b>Revenues</b>	<b>Fiscal Year Ending 6/30:</b>									
71600 Postage	1	General Cost Inflation	-	100	103	107	110	113	117	121
71610 Utility Billing Postage	1	General Cost Inflation	-	1,850	1,909	1,970	2,034	2,099	2,166	2,235
71700 Building Maint. And Repair	1	General Cost Inflation	-	500	516	533	550	567	585	604
71710 Equipment Maint. And Repair	1	General Cost Inflation	-	2,500	2,580	2,663	2,748	2,836	2,927	3,021
71720 Vehicle Maint. And Repair	1	General Cost Inflation	-	800	826	852	879	908	937	967
72000 Computer Service and Supplies	1	General Cost Inflation	-	3,500	3,612	3,728	3,847	3,971	4,098	4,229
72010 Office Supplies	1	General Cost Inflation	-	100	103	107	110	113	117	121
72100 Minor Equipment and Tools	1	General Cost Inflation	-	1,500	1,548	1,598	1,649	1,702	1,756	1,812
72120 Equip. Rental and Lease	1	General Cost Inflation	-	1,000	1,032	1,065	1,099	1,134	1,171	1,208
72600 Cleaning Supplies	1	General Cost Inflation	-	100	103	107	110	113	117	121
73000 Sand and Gravel	1	General Cost Inflation	-	2,000	2,064	2,130	2,198	2,269	2,342	2,417
73010 Asphalt and Concrete	1	General Cost Inflation	-	2,000	2,064	2,130	2,198	2,269	2,342	2,417
73200 Sewer Pipe	1	General Cost Inflation	-	1,000	1,032	1,065	1,099	1,134	1,171	1,208
73600 Miscellaneous Supplies	1	General Cost Inflation	-	1,800	1,858	1,917	1,979	2,042	2,107	2,175
74000 Program Fees and Dues	1	General Cost Inflation	-	1,100	1,135	1,172	1,209	1,248	1,289	1,329
79900 Administration Charges	1	General Cost Inflation	-	15,925	16,435	16,962	17,505	18,066	18,645	19,242
79910 Engineering Service Fees	1	General Cost Inflation	-	20,000	20,641	21,302	21,984	22,689	23,416	24,166
[Other]	1	General Cost Inflation	-	-	-	-	-	-	-	-
<b>Subtotal Materials and Services</b>			\$ 54,634	\$ 67,940	\$ 70,117	\$ 72,363	\$ 74,681	\$ 77,074	\$ 79,543	\$ 82,091
<b>Capital Outlay</b>										
Miscellaneous projects	2	Construction Cost Inflation	\$ -	\$ -	\$ 55,059	\$ 57,261	\$ 59,551	\$ 61,934	\$ 64,411	\$ 66,987
[Other]	2	Construction Cost Inflation	-	-	-	-	-	-	-	-
<b>Subtotal Capital Outlay</b>			\$ -	\$ -	\$ 55,059	\$ 57,261	\$ 59,551	\$ 61,934	\$ 64,411	\$ 66,987
<b>Cost of Additional FTEs and Vehicle Maintenance</b>			\$ -	\$ -	\$ -	\$ 81,242	\$ 84,516	\$ 87,929	\$ 91,487	\$ 95,198
<b>Total Cash O&amp;M Expenditures</b>			\$ 221,794	\$ 252,775	\$ 317,151	\$ 410,276	\$ 425,896	\$ 442,141	\$ 459,036	\$ 476,608
[a] Capital outlay to be expensed in current year.										
<b>Depreciation Expense in 2013</b>			\$ 105,409	\$ 105,409	\$ 120,923	\$ 128,836	\$ 144,774	\$ 155,703	\$ 167,735	\$ 180,764
Depreciation Expense		<i>Last year's plus annual additions from CIP</i>	\$ 105,409	\$ 105,409	\$ 120,923	\$ 128,836	\$ 144,774	\$ 155,703	\$ 167,735	\$ 180,764
		<i>debt principal payments</i>	(85,082)	(52,138)	(73,839)	(80,051)	(81,339)	(145,511)	(154,941)	(155,883)
		<i>System Reinvestment Funding</i>	20,327	53,271	47,083	48,785	63,435	10,191	12,793	24,881

**City of Cottage Grove  
Storm Drainage Utility  
Operating Revenue and Expenc**

	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection
	2022	2023	2024	2025	2026	2027	2028	2029	2030	
<b>Revenues</b>										
71600 Postage	125	129	133	137	141	146	151	155	160	
71610 Utility Billing Postage	2,307	2,381	2,457	2,536	2,617	2,701	2,787	2,877	2,989	
71700 Building Maint. And Repair	623	643	664	685	707	730	753	777	802	
71710 Equipment Maint. And Repair	3,117	3,217	3,320	3,427	3,537	3,650	3,767	3,887	4,012	
71720 Vehicle Maint. And Repair	998	1,030	1,063	1,097	1,132	1,168	1,205	1,244	1,284	
72000 Computer Service and Supplies	4,364	4,504	4,649	4,798	4,951	5,110	5,274	5,442	5,617	
72010 Office Supplies	125	129	133	137	141	146	151	155	160	
72100 Minor Equipment and Tools	1,870	1,930	1,992	2,056	2,122	2,190	2,260	2,332	2,407	
72120 Equip. Rental and Lease	1,247	1,287	1,328	1,371	1,415	1,460	1,507	1,555	1,605	
72800 Cleaning Supplies	125	129	133	137	141	146	151	155	160	
73000 Sand and Gravel	2,494	2,574	2,656	2,741	2,829	2,920	3,013	3,110	3,210	
73010 Asphalt and Concrete	2,494	2,574	2,656	2,741	2,829	2,920	3,013	3,110	3,210	
73200 Sewer Pipe	1,247	1,287	1,328	1,371	1,415	1,460	1,507	1,555	1,605	
73600 Miscellaneous Supplies	2,245	2,316	2,391	2,467	2,546	2,628	2,712	2,799	2,889	
74000 Program Fees and Dues	1,372	1,416	1,461	1,508	1,556	1,606	1,657	1,710	1,765	
79900 Administration Charges	19,858	20,495	21,151	21,829	22,528	23,250	23,995	24,763	25,557	
79910 Engineering Service Fees	24,940	25,739	26,563	27,414	28,293	29,199	30,135	31,100	32,096	
[Other]	-	-	-	-	-	-	-	-	-	
<b>Subtotal Materials and Services</b>	\$ 84,721	\$ 87,435	\$ 90,236	\$ 93,127	\$ 96,110	\$ 99,189	\$ 102,367	\$ 105,646	\$ 109,031	
<b>Capital Outlay</b>										
Miscellaneous projects	\$ 69,667	\$ 72,453	\$ 75,352	\$ 78,366	\$ 81,500	\$ 84,760	\$ 88,151	\$ 91,677	\$ 95,344	
[Other]	-	-	-	-	-	-	-	-	-	
<b>Subtotal Capital Outlay</b>	\$ 69,667	\$ 72,453	\$ 75,352	\$ 78,366	\$ 81,500	\$ 84,760	\$ 88,151	\$ 91,677	\$ 95,344	
<b>Cost of Additional FTEs and Vehicle Mainten</b>	\$ 99,068	\$ 103,105	\$ 107,315	\$ 111,706	\$ 116,287	\$ 121,066	\$ 126,053	\$ 131,256	\$ 136,686	
<b>Total Cash O&amp;M Expenditures</b>	\$ 494,886	\$ 513,899	\$ 533,678	\$ 554,256	\$ 575,666	\$ 597,944	\$ 621,127	\$ 645,252	\$ 670,360	
[a] Capital outlay to be expensed in current year										
<b>Depreciation Expense in 2013</b>										
Depreciation Expense	\$ 196,825	\$ 213,171	\$ 225,252	\$ 242,707	\$ 260,860	\$ 277,747	\$ 295,309	\$ 316,444	\$ 330,745	
	(247,903)	(261,779)	(271,042)	(383,625)	(403,085)	(418,355)	(534,718)	(553,360)	(579,886)	
	\$ (51,079)	\$ (48,609)	\$ (45,790)	\$ (140,818)	\$ (142,224)	\$ (140,608)	\$ (239,409)	\$ (236,916)	\$ (249,141)	

**City of Cottage Grove  
Storm Drainage Utility  
Existing Debt Input**

<b>Revenue Bonds</b>	<b>Fiscal Year Ending 6/30:</b>											
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023		
<b>REVENUE BOND 1</b>												
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	-	-	-	-	-	-	-	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Use of Debt reserve for Debt Service		-	-	-	-	-	-	-	-	-	-	-
<b>REVENUE BOND 2</b>												
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	-	-	-	-	-	-	-	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Use of Debt reserve for Debt Service		-	-	-	-	-	-	-	-	-	-	-
<b>REVENUE BOND 3</b>												
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	-	-	-	-	-	-	-	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Use of Debt reserve for Debt Service		-	-	-	-	-	-	-	-	-	-	-
<b>REVENUE BOND 4</b>												
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	-	-	-	-	-	-	-	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Use of Debt reserve for Debt Service		-	-	-	-	-	-	-	-	-	-	-
<b>REVENUE BOND 5</b>												
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	-	-	-	-	-	-	-	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Use of Debt Reserve for Debt Service		-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL REVENUE BONDS</b>												
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	-	-	-	-	-	-	-	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Use of Debt reserve for Debt Service		-	-	-	-	-	-	-	-	-	-	-
Annual Debt Reserve Target on Existing Revenue Bonds		-	-	-	-	-	-	-	-	-	-	-

**City of Cottage Grove  
Storm Drainage Utility  
Existing Debt Input**

<b>Revenue Bonds</b>	<b>Fiscal Year Ending 6/30:</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>
<b>REVENUE BOND 1</b>								
Annual Interest Payment	\$	-	\$	-	\$	-	\$	-
Annual Principal Payment		-	-	-	-	-	-	-
<b>Total Annual Payment</b>	<b>\$</b>	<b>-</b>	<b>\$</b>	<b>-</b>	<b>\$</b>	<b>-</b>	<b>\$</b>	<b>-</b>
Use of Debt reserve for Debt Service		-	-	-	-	-	-	-
<b>REVENUE BOND 2</b>								
Annual Interest Payment	\$	-	\$	-	\$	-	\$	-
Annual Principal Payment		-	-	-	-	-	-	-
<b>Total Annual Payment</b>	<b>\$</b>	<b>-</b>	<b>\$</b>	<b>-</b>	<b>\$</b>	<b>-</b>	<b>\$</b>	<b>-</b>
Use of Debt reserve for Debt Service		-	-	-	-	-	-	-
<b>REVENUE BOND 3</b>								
Annual Interest Payment	\$	-	\$	-	\$	-	\$	-
Annual Principal Payment		-	-	-	-	-	-	-
<b>Total Annual Payment</b>	<b>\$</b>	<b>-</b>	<b>\$</b>	<b>-</b>	<b>\$</b>	<b>-</b>	<b>\$</b>	<b>-</b>
Use of Debt reserve for Debt Service		-	-	-	-	-	-	-
<b>REVENUE BOND 4</b>								
Annual Interest Payment	\$	-	\$	-	\$	-	\$	-
Annual Principal Payment		-	-	-	-	-	-	-
<b>Total Annual Payment</b>	<b>\$</b>	<b>-</b>	<b>\$</b>	<b>-</b>	<b>\$</b>	<b>-</b>	<b>\$</b>	<b>-</b>
Use of Debt reserve for Debt Service		-	-	-	-	-	-	-
<b>REVENUE BOND 5</b>								
Annual Interest Payment	\$	-	\$	-	\$	-	\$	-
Annual Principal Payment		-	-	-	-	-	-	-
<b>Total Annual Payment</b>	<b>\$</b>	<b>-</b>	<b>\$</b>	<b>-</b>	<b>\$</b>	<b>-</b>	<b>\$</b>	<b>-</b>
Use of Debt Reserve for Debt Service		-	-	-	-	-	-	-
<b>TOTAL REVENUE BONDS</b>								
Annual Interest Payment	\$	-	\$	-	\$	-	\$	-
Annual Principal Payment		-	-	-	-	-	-	-
<b>Total Annual Payment</b>	<b>\$</b>	<b>-</b>	<b>\$</b>	<b>-</b>	<b>\$</b>	<b>-</b>	<b>\$</b>	<b>-</b>
Use of Debt reserve for Debt Service		-	-	-	-	-	-	-
Annual Debt Reserve Target on Existing Revenue Bonds		-	-	-	-	-	-	-



**City of Cottage Grove  
Storm Drainage Utility  
Existing Debt Input**

<b>Loans</b>	<b>Fiscal Year Ending 6/30:</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
<b>City Shop</b>											
Annual Interest Payment		\$ 1,390									
Annual Principal Payment		<u>65,899</u>									
Total Annual Payment	20.00%	\$ 13,458	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>LOAN 2</b>											
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Factor Truck and Roller</b>											
Annual Interest Payment		\$ 1,980	\$ 105	\$ 1,575	\$ 1,278	\$ 973	\$ 658	\$ 334	\$ -	\$ -	\$ -
Annual Principal Payment		<u>65,820</u>	<u>16,733</u>	<u>9,989</u>	<u>10,185</u>	<u>10,491</u>	<u>10,806</u>	<u>11,130</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total Annual Payment	40.25%	\$ 27,292	\$ 6,778	\$ 11,464	\$ 11,464	\$ 11,464	\$ 11,464	\$ 11,464	\$ -	\$ -	\$ -
<b>LOAN 4</b>											
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>LOAN 5</b>											
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>LOAN 6</b>											
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL LOANS</b>											
Annual Interest Payment (storm drainage portion only)		\$ 1,075	\$ 42	\$ 634	\$ 515	\$ 392	\$ 265	\$ 134	\$ -	\$ -	\$ -
Annual Principal Payment (storm drainage portion only)		<u>39,674</u>	<u>6,736</u>	<u>3,980</u>	<u>4,100</u>	<u>4,223</u>	<u>4,350</u>	<u>4,480</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total Annual Payment (storm drainage portion only)		\$ 40,750	\$ 6,778	\$ 4,614	\$ 4,614	\$ 4,614	\$ 4,614	\$ 4,614	\$ -	\$ -	\$ -

**City of Cottage Grove  
Storm Drainage Utility  
Existing Debt Input**

<b>Loans</b>	<b>Fiscal Year Ending 6/30:</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>
<b>City Shop</b>								
Annual Interest Payment				\$ -	\$ -	\$ -	\$ -	
Annual Principal Payment								
Total Annual Payment	20.00%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>LOAN 2</b>								
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment								
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Vector Truck and Roller</b>								
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment								
Total Annual Payment	40.25%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>LOAN 4</b>								
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment								
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>LOAN 5</b>								
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment								
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>LOAN 6</b>								
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment								
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL LOANS</b>								
Annual Interest Payment (storm drainage portion only)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment (storm drainage portion only)								
Total Annual Payment (storm drainage portion only)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**City of Cottage Grove  
Storm Drainage Utility  
Existing Debt Input**

<b>Other Loans</b>	<b>Fiscal Year Ending 6/30:</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
<b>PERS</b>											
Annual Interest Payment		\$ 138,071	\$ 143,457	\$ 152,046	\$ 157,564	\$ 166,456	\$ 175,855	\$ 170,881	\$ 99,828	\$ 91,265	\$ 81,333
Annual Principal Payment		<u>28,126</u>	<u>27,741</u>	<u>29,152</u>	<u>28,634</u>	<u>29,742</u>	<u>30,343</u>	<u>45,317</u>	<u>125,000</u>	<u>145,000</u>	<u>165,000</u>
Total Annual Payment	1.45%	\$ 2,410	\$ 2,482	\$ 2,627	\$ 2,700	\$ 2,845	\$ 2,990	\$ 3,135	\$ 3,260	\$ 3,426	\$ 3,572
<b>Storm Drainage Projects (LOCAP)</b>											
Annual Interest Payment		\$ 45,154	\$ 48,175	\$ 46,600	\$ 44,700	\$ 42,700	\$ 41,200	\$ 39,600	\$ 37,400	\$ 35,200	\$ 32,900
Annual Principal Payment		<u>45,000</u>	<u>45,000</u>	<u>45,000</u>	<u>50,000</u>	<u>50,000</u>	<u>50,000</u>	<u>55,000</u>	<u>55,000</u>	<u>55,000</u>	<u>60,000</u>
Total Annual Payment		\$ 90,154	\$ 93,175	\$ 91,600	\$ 94,700	\$ 92,700	\$ 91,200	\$ 94,600	\$ 92,400	\$ 90,200	\$ 92,900
<b>OTHER LOAN 3</b>											
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		-	-	-	-	-	-	-	-	-	-
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>OTHER LOAN 4</b>											
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		-	-	-	-	-	-	-	-	-	-
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>OTHER LOAN 5</b>											
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		-	-	-	-	-	-	-	-	-	-
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL OTHER LOANS</b>											
Annual Interest Payment (storm drainage portion only)		\$ 47,156	\$ 50,255	\$ 48,805	\$ 46,985	\$ 45,114	\$ 43,750	\$ 42,078	\$ 38,847	\$ 36,523	\$ 34,079
Annual Principal Payment (storm drainage portion only)		<u>45,408</u>	<u>45,402</u>	<u>45,423</u>	<u>50,415</u>	<u>50,431</u>	<u>50,440</u>	<u>55,657</u>	<u>56,813</u>	<u>57,103</u>	<u>62,393</u>
Total Annual Payment (storm drainage portion only)		\$ 92,564	\$ 95,657	\$ 94,227	\$ 97,400	\$ 95,545	\$ 94,190	\$ 97,735	\$ 95,660	\$ 93,626	\$ 96,472

**City of Cottage Grove  
Storm Drainage Utility  
Existing Debt Input**

<b>Other Loans</b>	<b>Fiscal Year Ending 6/30:</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>
<b>PERS</b>								
Annual Interest Payment		\$ 70,030	\$ 57,358	\$ 43,498	\$ 27,400	\$ 9,248	\$ -	\$ -
Annual Principal Payment		<u>185,000</u>	<u>210,000</u>	<u>235,000</u>	<u>265,000</u>	<u>135,000</u>	-	-
Total Annual Payment	1.45%	\$ 3,698	\$ 3,877	\$ 4,038	\$ 4,240	\$ 2,092	\$ -	\$ -
<b>Storm Drainage Projects (LOCAP)</b>								
Annual Interest Payment		\$ 30,425	\$ 27,525	\$ 24,150	\$ 10,920	\$ 18,100	\$ 15,100	\$ 12,000
Annual Principal Payment		<u>60,000</u>	<u>65,000</u>	<u>70,000</u>	<u>70,000</u>	<u>75,000</u>	<u>75,000</u>	<u>80,000</u>
Total Annual Payment		\$ 90,425	\$ 92,525	\$ 94,150	\$ 80,920	\$ 93,100	\$ 90,100	\$ 92,000
<b>OTHER LOAN 3</b>								
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		-	-	-	-	-	-	-
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>OTHER LOAN 4</b>								
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		-	-	-	-	-	-	-
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>OTHER LOAN 5</b>								
Annual Interest Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment		-	-	-	-	-	-	-
Total Annual Payment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL OTHER LOANS</b>								
Annual Interest Payment (storm drainage portion only)		\$ 31,440	\$ 28,357	\$ 24,781	\$ 11,317	\$ 18,234	\$ 15,100	\$ 12,000
Annual Principal Payment (storm drainage portion only)		<u>62,683</u>	<u>68,045</u>	<u>73,408</u>	<u>73,843</u>	<u>76,958</u>	<u>75,000</u>	<u>80,000</u>
Total Annual Payment (storm drainage portion only)		\$ 94,123	\$ 96,402	\$ 98,188	\$ 85,160	\$ 95,192	\$ 90,100	\$ 92,000

**City of Cottage Grove  
Storm Drainage Utility  
Capital Improvement Program**

	-2.27%	0.00%	4.00%	8.16%	12.49%	16.99%	21.67%	26.53%	31.59%
Project Costs in Year:									
Escalate Project Costs to Base Year:									

No	Description	2014	2015	2016	2017	2018	2019	2020	2021	2022
1	Fillmore Avenue (South 8th Street west to RR tracks); Along RR tracks south to	\$ -	\$ -	\$ 1,163,542	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2	Harrison Avenue (Blue Sky Drive to South S Street)	-	-	-	437,580	-	-	-	-	-
3	North 16th Street (Main St. to Harvey Lane)	-	-	-	-	1,195,337	-	-	-	-
4	South 6th Street (Taylor Ave. to Quincy Ave.)	-	-	-	-	-	819,658	-	-	-
5	Along South property line of Bohemia School (South "S" Street - South "R" Street)	-	-	-	-	-	-	273,454	-	-
6	Main Street (15th Street to 16th Street)	-	-	-	-	-	-	-	150,712	-
7	Madison Avenue (South 3rd Street east to Coast Fork of Willamette River)	-	-	-	-	-	-	628,945	-	-
8	Alley between Birch Ave. and Chestnut Ave. (North "J" Street to North "G" Street)	-	-	-	-	-	-	-	511,907	-
9	North "G" Street (Alley to Birch Avenue); Birch Ave. (North "G" St. east across N	-	-	-	-	-	-	-	314,584	-
10	South 12th Street (Main Street thru Trailhead Park to Villard Ave.) & Villard Ave.	-	-	-	-	-	-	-	-	1,204,560
11	Harvey Road (North 16th Street - east to terminus - back lot across Douglas St.	-	-	-	-	-	-	-	-	-
12	Alley between Birch Ave. and Chestnut Ave. (North "J" Street to North "L" Street)	-	-	-	-	-	-	-	-	-
13	Lane Street (Villard Avenue to Main Street)	-	-	-	-	-	-	-	-	-
14	South 12th Street (Adams Ave. to Quincy Ave.); Quincy Ave. (South 12th west	-	-	-	-	-	-	-	-	-
15	Thayer Ave. (Lane Street to N. 11th); N. 11th (Thayer to Pennoyer); Pennoyer (	-	-	-	-	-	-	-	-	-
16	Lane Street (Villard Ave. to Thayer Ave.)	-	-	-	-	-	-	-	-	-
17	S. 16th Street (Gateway Blvd. to Washington Ave.)	-	-	-	-	-	-	-	-	-
18	M. Patrick Partition Private Road (Hillside Drive to Samuel)	-	-	-	-	-	-	-	-	-
19	E. Madison Avenue ( S. 16th St. - under I-5 to Reservoir)	-	-	-	-	-	-	-	-	-
20	South 16th (Washington Ave. to Main St.)	-	-	-	-	-	-	-	-	-
21	Adams Avenue (South 16th Street to Gateway Blvd. to I-5 right of way)	-	-	-	-	-	-	-	-	-
22	Jason Lee Ave. (Whitmain Blvd. across S. River Rd. to the Coast Fork of Willam	-	-	-	-	-	-	-	-	-
23	North Regional Park Ditch Cleaning	-	-	-	-	-	-	-	-	-
24	Miscellaneous Projects	-	-	-	-	-	-	-	-	-
25	Develop and implement a land acquisition program for riparian habitat protection	-	-	-	18,334	-	-	-	-	-
26	Conduct a Low Impact Development Pilot to improve flood hazard reduction in th	-	-	-	135,810	-	-	-	-	-
27	Develop and implement a surface water management monitoring program	-	-	-	-	-	-	-	-	-
28	Increase inspections for compliance with stormwater requirements and NPDES	-	-	-	-	-	-	-	-	-
29	Adopt update stormwater quality standards	-	-	-	1,766	-	-	-	-	-
30	Develop and implement an education, outreach and technical assistance progra	-	-	-	-	-	-	-	-	-
31	Develop and implement a program to enhance degraded riparian habitat and wa	-	-	-	-	-	-	-	-	-

PREPARED BY FCS GROUP, INC.  
(425) 867-1802

Cottage Grove Storm Drainage Model v14  
7/31/2015 11:36 AM

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**City of Cottage Grove  
Storm Drainage Utility  
Capital Improvement Program**

	36.86%	42.33%	48.02%	53.95%	60.10%	66.51%	73.17%	80.09%
Project Costs in Year:								
Escalate Project Costs to Base Year:								

No	Description	2023	2024	2025	2026	2027	2028	2029	2030
1	Fillmore Avenue (South 8th Street west to RR tracks); Along RR tracks south to	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2	Harrison Avenue (Blue Sky Drive to South S Street)	-	-	-	-	-	-	-	-
3	North 16th Street (Main St. to Harvey Lane)	-	-	-	-	-	-	-	-
4	South 6th Street (Taylor Ave. to Quincy Ave.)	-	-	-	-	-	-	-	-
5	Along South property line of Bohemia School (South "S" Street - South "R" Street)	-	-	-	-	-	-	-	-
6	Main Street (15th Street to 16th Street)	-	-	-	-	-	-	-	-
7	Madison Avenue (South 3rd Street east to Coast Fork of Willamette River)	-	-	-	-	-	-	-	-
8	Alley between Birch Ave. and Chestnut Ave. (North "J" Street to North "G" Street)	-	-	-	-	-	-	-	-
9	North "G" Street (Alley to Birch Avenue); Birch Ave. (North "G" St. east across N	-	-	-	-	-	-	-	-
10	South 12th Street (Main Street thru Trailhead Park to Villard Ave.) & Villard Ave.	-	-	-	-	-	-	-	-
11	Harvey Road (North 16th Street - east to terminus - back lot across Douglas St.	938,265	-	-	-	-	-	-	-
12	Alley between Birch Ave. and Chestnut Ave. (North "J" Street to North "L" Street)	287,665	-	-	-	-	-	-	-
13	Lane Street (Villard Avenue to Main Street)	-	714,162	-	-	-	-	-	-
14	South 12th Street (Adams Ave. to Quincy Ave.); Quincy Ave. (South 12th west	-	-	1,309,127	1,361,492	-	-	-	-
15	Thayer Ave. (Lane Street to N. 11th); N. 11th (Thayer to Pennoyer); Pennoyer (L	-	-	-	-	1,266,511	1,317,172	-	-
16	Lane Street (Villard Ave. to Thayer Ave.)	-	-	-	-	-	-	1,585,119	-
17	S. 16th Street (Gateway Blvd. to Washington Ave.)	-	-	-	-	-	-	-	757,095
18	M. Patrick Partition Private Road (Hillside Drive to Samuel)	-	-	-	-	-	-	-	315,456
19	E. Madison Avenue (S. 16th St. - under I-5 to Reservoir)	-	-	-	-	-	-	-	-
20	South 16th (Washington Ave. to Main St.)	-	191,942	-	-	-	-	-	-
21	Adams Avenue (South 16th Street to Gateway Blvd. to I-5 right of way)	-	-	-	-	-	-	-	-
22	Jason Lee Ave. (Whitmain Blvd. across S. River Rd. to the Coast Fork of Willamette)	-	-	-	-	-	-	-	-
23	North Regional Park Ditch Cleaning	-	-	-	-	-	-	-	-
24	Miscellaneous Projects	-	-	-	-	-	-	-	-
25	Develop and implement a land acquisition program for riparian habitat protection	-	-	-	-	-	-	-	-
26	Conduct a Low Impact Development Pilot to improve flood hazard reduction in th	-	-	-	-	-	-	-	-
27	Develop and implement a surface water management monitoring program	-	-	-	-	-	-	-	-
28	Increase inspections for compliance with stormwater requirements and NPDES	-	-	-	-	-	-	-	-
29	Adopt update stormwater quality standards	-	-	-	-	-	-	-	-
30	Develop and implement an education, outreach and technical assistance progra	-	-	-	-	-	-	-	-
31	Develop and implement a program to enhance degraded riparian habitat and wa	-	-	-	-	-	-	-	-

**City of Cottage Grove  
Storm Drainage Utility  
Capital Improvement Program**

Cumulative Construction Cost Inflation ==>

Project Costs in Year:	2015	100.0	(Project costs are escalated using Construction Cost Inflation assumptions)
Escalate Project Costs to Base Year:	2015	100.0	(Project costs are escalated using Construction Cost Inflation assumptions)

No	Description	Project Costs in 2015 dollars.			Year	Life in Years	Specific Funding Source 1-Enterprise Fund, 2-Grants & Developer Donations	TOTAL ESCALATED COSTS
		Existing Costs	Growth (SDC)	Total				
	<b>Total Capital Projects</b>	\$ 14,907,787	\$ -	\$ 14,907,787			\$ 16,900,194	
	Total R&R Projects						16,900,194	
	Total SDC Eligible Projects						-	
	Projects by Grants / Developer Donations	-	-	-			-	
	Projects by Enterprise Fund	14,907,787	-	14,907,787			16,900,194	

**City of Cottage Grove  
Storm Drainage Utility  
Capital Improvement Program**

	-2.27%	0.00%	4.00%	8.16%	12.49%	16.99%	21.67%	26.53%	31.59%
Project Costs in Year:									
Escalate Project Costs to Base Year:									

No	Description	2014	2015	2016	2017	2018	2019	2020	2021	2022
	<b>Total Capital Projects</b>	\$ -	\$ -	\$ 1,163,542	\$ 593,490	\$ 1,195,337	\$ 819,658	\$ 902,400	\$ 977,202	\$ 1,204,560
	Total R&R Projects	-	-	1,163,542	593,490	1,195,337	819,658	902,400	977,202	1,204,560
	Total SDC Eligible Projects	-	-	-	-	-	-	-	-	-
	Projects by Grants / Developer Donations	-	-	-	-	-	-	-	-	-
	Projects by Enterprise Fund	-	-	1,163,542	593,490	1,195,337	819,658	902,400	977,202	1,204,560



**City of Cottage Grove  
Storm Drainage Utility  
Capital Improvement Program**

	36.86%	42.33%	48.02%	53.95%	60.10%	66.51%	73.17%	80.09%
Project Costs in Year:								
Escalate Project Costs to Base Year:								

No	Description	2023	2024	2025	2026	2027	2028	2029	2030
	<b>Total Capital Projects</b>	\$ 1,225,930	\$ 906,104	\$ 1,309,127	\$ 1,361,492	\$ 1,266,511	\$ 1,317,172	\$ 1,585,119	\$ 1,072,552
	Total R&R Projects	1,225,930	906,104	1,309,127	1,361,492	1,266,511	1,317,172	1,585,119	1,072,552
	Total SDC Eligible Projects	-	-	-	-	-	-	-	-
	Projects by Grants / Developer Donations	-	-	-	-	-	-	-	-
	Projects by Enterprise Fund	1,225,930	906,104	1,309,127	1,361,492	1,266,511	1,317,172	1,585,119	1,072,552

**City of Cottage Grove**  
**Storm Drainage Utility**  
**Capital Funding Analysis**

Summary of Expenditures	Fiscal Year Ending 6/30:											
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
SDC Eligible Project Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
R&R Project Costs	-	-	1,163,542	593,490	1,195,337	819,658	902,400	977,202	1,204,560	1,225,930	906,104	1,309,127
Subtotal: Project Costs (Building & Improvements)	\$ -	\$ -	\$ 1,163,542	\$ 593,490	\$ 1,195,337	\$ 819,658	\$ 902,400	\$ 977,202	\$ 1,204,560	\$ 1,225,930	\$ 906,104	\$ 1,309,127
Internal Service Fund Transfer												
Street Fund Transfer												
Supplemental Budget (Materials/Svsc)												
Capital Equip. & Project Fund Transfer												
Capitalized Labor (Add'l Positions)												
<b>TOTAL CAPITAL EXPENDITURES</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,163,542</b>	<b>\$ 593,490</b>	<b>\$ 1,195,337</b>	<b>\$ 819,658</b>	<b>\$ 902,400</b>	<b>\$ 977,202</b>	<b>\$ 1,204,560</b>	<b>\$ 1,225,930</b>	<b>\$ 906,104</b>	<b>\$ 1,309,127</b>

Capital Financing Plan	Fiscal Year Ending 6/30:											
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Project-Specific Grants / Developer Donations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Costs Remaining to be Funded	-	-	1,163,542	593,490	1,195,337	819,658	902,400	977,202	1,204,560	1,225,930	906,104	1,309,127
<b>OTHER FUNDING SOURCES [NOTE A]</b>												
Existing State Loan Proceeds												
State Loan Proceeds												
Other Loan Proceeds												
Capital Fund Balance	-	-	1,163,542	593,490	983,251	97,198	902,400	666,810	42,644	1,225,930	638,697	129,246
Revenue Bond Proceeds [Note B]	-	-	-	-	-	722,460	-	-	1,161,916	-	-	1,179,881
Rates	-	-	-	-	212,086	-	-	310,392	-	-	267,407	-
Total	\$ -	\$ -	\$ 1,163,542	\$ 593,490	\$ 1,195,337	\$ 819,658	\$ 902,400	\$ 977,202	\$ 1,204,560	\$ 1,225,930	\$ 906,104	\$ 1,309,127
<b>TOTAL CAPITAL RESOURCES</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,163,542</b>	<b>\$ 593,490</b>	<b>\$ 1,195,337</b>	<b>\$ 819,658</b>	<b>\$ 902,400</b>	<b>\$ 977,202</b>	<b>\$ 1,204,560</b>	<b>\$ 1,225,930</b>	<b>\$ 906,104</b>	<b>\$ 1,309,127</b>
Info: Capital Contingency Deficit	-	-	-	-	-	-	-	(38,096)	-	-	-	-

**NOTE A: SELECTION OF FUNDING SOURCE FOR REMAINING CAPITAL FUNDING NEEDS**

Select the Residual Funding Source	1	Revenue Bond Proceeds
1 - Revenue Bond Proceeds		
2 - Rates		

**NOTE B: USER INPUT FOR REVENUE BOND PROCEEDS**

Select Amount of Bond Proceeds	1	User Defined										
1 - Amounts at Right ==>	\$ -	\$ -	\$ 700,000	\$ -	\$ -	\$ 1,800,000	\$ -	\$ -	\$ 2,500,000	\$ -	\$ -	\$ 2,800,000
2 - Calculated by the Model												

**City of Cottage Grove  
Storm Drainage Utility  
Capital Funding Analysis**

Summary of Expenditures	Fiscal Year				
	2026	2027	2028	2029	2030
SDC Eligible Project Costs	\$ -	\$ -	\$ -	\$ -	\$ -
R&R Project Costs	1,361,492	1,266,511	1,317,172	1,585,119	1,072,552
Subtotal: Project Costs (Building & Improvements)	\$ 1,361,492	\$ 1,266,511	\$ 1,317,172	\$ 1,585,119	\$ 1,072,552
Internal Service Fund Transfer	-	-	-	-	-
Street Fund Transfer	-	-	-	-	-
Supplemental Budget (Materials/Svsc)	-	-	-	-	-
Capital Equip. & Project Fund Transfer	-	-	-	-	-
Capitalized Labor (Add'l Positions)	-	-	-	-	-
<b>TOTAL CAPITAL EXPENDITURES</b>	<b>\$ 1,361,492</b>	<b>\$ 1,266,511</b>	<b>\$ 1,317,172</b>	<b>\$ 1,585,119</b>	<b>\$ 1,072,552</b>

Capital Financing Plan	Fiscal Year				
	2026	2027	2028	2029	2030
Project-Specific Grants / Developer Donations	\$ -	\$ -	\$ -	\$ -	\$ -
Costs Remaining to be Funded	1,361,492	1,266,511	1,317,172	1,585,119	1,072,552
<b>OTHER FUNDING SOURCES [NOTE A]</b>					
Existing State Loan Proceeds					
State Loan Proceeds					
Other Loan Proceeds					
Capital Fund Balance	1,361,492	889,489	124,896	1,585,119	854,108
Revenue Bond Proceeds [Note B]	-	-	1,192,276	-	-
Rates	-	377,023	-	-	218,443
Total	\$ 1,361,492	\$ 1,266,511	\$ 1,317,172	\$ 1,585,119	\$ 1,072,552
<b>TOTAL CAPITAL RESOURCES</b>	<b>\$ 1,361,492</b>	<b>\$ 1,266,511</b>	<b>\$ 1,317,172</b>	<b>\$ 1,585,119</b>	<b>\$ 1,072,552</b>
<i>Info: Capital Contingency Deficit</i>	-	(28,582)	-	-	-

**NOTE A: SELECTION OF FUNDING SOURCE FOR REMAINING C**

Select the Residual Funding Source:

- 1 - Revenue Bond Proceeds
- 2 - Rates

**NOTE B: USER INPUT FOR REVENUE BOND PROCEEDS**

Select Amount of Bond Proceeds:

- 1 - Amounts at Right ==> \$ - \$ - \$ 2,800,000 \$ - \$ -
- 2 - Calculated by the Model

**City of Cottage Grove**  
**Storm Drainage Utility**  
Capital Funding Analysis

New Debt Computations	Fiscal Year Ending 6/30:											
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
<b>REVENUE BONDS</b>												
Amount to Fund	\$ -	\$ -	\$ 700,000	\$ -	\$ -	\$ 1,800,000	\$ -	\$ -	\$ 2,500,000	\$ -	\$ -	\$ 2,800,000
Issuance Costs	-	-	7,666	-	-	19,713	-	-	27,379	-	-	30,664
Reserve Required	-	-	58,933	-	-	151,542	-	-	210,476	-	-	235,733
Amount of Debt Issue	\$ -	\$ -	\$ 766,599	\$ -	\$ -	\$ 1,971,255	\$ -	\$ -	\$ 2,737,854	\$ -	\$ -	\$ 3,066,397
<b>OTHER LOANS (SRF)</b>												
Amount to Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Issuance Costs	-	-	-	-	-	-	-	-	-	-	-	-
Amount of Debt Issue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>PWTF LOAN</b>												
Amount to Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Debt Service Summary</b>												
Debt Service Summary	Fiscal Year Ending 6/30:											
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
<b>EXISTING DEBT SERVICE</b>												
Annual Interest Payments	\$ 48,231	\$ 50,297	\$ 49,439	\$ 47,499	\$ 45,505	\$ 44,015	\$ 42,212	\$ 38,847	\$ 36,523	\$ 34,079	\$ 31,440	\$ 28,357
Annual Principal Payments	85,082	52,138	49,403	54,515	54,654	54,790	60,137	56,813	57,103	62,393	62,683	68,045
Total Debt Service Payments	\$ 133,314	\$ 102,435	\$ 98,842	\$ 102,014	\$ 100,159	\$ 98,804	\$ 102,349	\$ 95,660	\$ 93,626	\$ 96,472	\$ 94,123	\$ 96,402
Revenue Bond Payments Only	-	-	-	-	-	-	-	-	-	-	-	-
<b>NEW DEBT SERVICE</b>												
Annual Interest Payments	\$ -	\$ -	\$ 34,497	\$ 33,397	\$ 32,248	\$ 119,754	\$ 115,671	\$ 111,405	\$ 230,150	\$ 221,564	\$ 212,592	\$ 341,204
Annual Principal Payments	-	-	24,436	25,536	26,685	90,722	94,804	99,070	190,801	199,387	208,359	315,480
Total Debt Service Payments	\$ -	\$ -	\$ 58,933	\$ 58,933	\$ 58,933	\$ 210,476	\$ 210,476	\$ 210,476	\$ 420,951	\$ 420,951	\$ 420,951	\$ 656,684
Revenue Bond Payments Only	-	-	58,933	58,933	58,933	210,476	210,476	210,476	420,951	420,951	420,951	656,684
<b>TOTAL DEBT SERVICE PAYMENTS</b>												
	\$ 133,314	\$ 102,435	\$ 157,775	\$ 160,948	\$ 159,093	\$ 309,280	\$ 312,825	\$ 306,136	\$ 514,577	\$ 517,423	\$ 515,074	\$ 753,086
Total Interest Payments	48,231	50,297	83,936	80,897	77,753	163,769	157,884	150,253	266,674	255,644	244,032	369,560
Total Principal Payments	85,082	52,138	73,839	80,051	81,339	145,511	154,941	155,883	247,903	261,779	271,042	383,525
Total Revenue Bond Payments Only	-	-	58,933	58,933	58,933	210,476	210,476	210,476	420,951	420,951	420,951	656,684

**City of Cottage Grove  
Storm Drainage Utility  
Capital Funding Analysis**

New Debt Computations	Fiscal Year				
	2026	2027	2028	2029	2030
<b>REVENUE BONDS</b>					
Amount to Fund	\$ -	\$ -	\$ 2,800,000	\$ -	\$ -
Issuance Costs	-	-	30,664	-	-
Reserve Required	-	-	<u>235,733</u>	-	-
Amount of Debt Issue	\$ -	\$ -	\$ 3,066,397	\$ -	\$ -
<b>OTHER LOANS (SRF)</b>					
Amount to Fund	\$ -	\$ -	\$ -	\$ -	\$ -
Issuance Costs	-	-	-	-	-
Amount of Debt Issue	\$ -	\$ -	\$ -	\$ -	\$ -
<b>PWTF LOAN</b>					
Amount to Fund	\$ -	\$ -	\$ -	\$ -	\$ -

Debt Service Summary	Fiscal Year				
	2026	2027	2028	2029	2030
<b>EXISTING DEBT SERVICE</b>					
Annual Interest Payments	\$ 24,781	\$ 11,317	\$ 18,234	\$ 15,100	\$ 12,000
Annual Principal Payments	<u>73,408</u>	<u>73,843</u>	<u>76,958</u>	<u>75,000</u>	<u>80,000</u>
Total Debt Service Payments	\$ 98,188	\$ 85,160	\$ 95,192	\$ 90,100	\$ 92,000
Revenue Bond Payments Only	-	-	-	-	-
<b>NEW DEBT SERVICE</b>					
Annual Interest Payments	\$ 327,007	\$ 312,172	\$ 434,656	\$ 414,057	\$ 392,531
Annual Principal Payments	<u>329,677</u>	<u>344,513</u>	<u>457,761</u>	<u>478,360</u>	<u>499,886</u>
Total Debt Service Payments	\$ 656,684	\$ 656,684	\$ 892,417	\$ 892,417	\$ 892,417
Revenue Bond Payments Only	656,684	656,684	892,417	892,417	892,417
<b>TOTAL DEBT SERVICE PAYMENTS</b>					
	\$ 754,872	\$ 741,844	\$ 987,609	\$ 982,517	\$ 984,417
Total Interest Payments	351,788	323,489	452,891	429,157	404,531
Total Principal Payments	403,085	418,355	534,718	553,360	579,886
Total Revenue Bond Payments Only	656,684	656,684	892,417	892,417	892,417

**City of Cottage Grove  
Storm Drainage Utility  
Revenue Requirements Analysis**

Cash Flow Sufficiency Test	Fiscal Year Ending 6/30:										
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
<b>EXPENSES</b>											
Cash Operating Expenses	\$ 221,794	\$ 252,775	\$ 317,151	\$ 410,276	\$ 425,896	\$ 442,141	\$ 459,036	\$ 476,608	\$ 494,886	\$ 513,899	
Existing Debt Service	133,314	102,435	98,842	102,014	100,159	98,804	102,349	95,660	93,626	96,472	
New Debt Service	-	-	58,933	58,933	58,933	210,476	210,476	210,476	420,951	420,951	
Rate-Funded CIP	-	-	-	-	212,086	-	-	310,392	-	-	
Rate-Funded System Reinvestment	-	-	-	-	-	-	-	-	-	-	
Additions Required to Meet Minimum Op. Fund Balance	-	-	-	-	-	-	-	-	-	-	
<b>Total Expenses</b>	<b>\$ 355,108</b>	<b>\$ 355,210</b>	<b>\$ 474,926</b>	<b>\$ 571,223</b>	<b>\$ 797,075</b>	<b>\$ 751,421</b>	<b>\$ 771,861</b>	<b>\$ 1,093,136</b>	<b>\$ 1,009,463</b>	<b>\$ 1,031,322</b>	
<b>REVENUES</b>											
Rate Revenue	\$ 585,043	\$ 667,895	\$ 672,570	\$ 677,278	\$ 682,019	\$ 686,793	\$ 691,601	\$ 696,442	\$ 701,317	\$ 706,226	
Other Revenue	915	600	600	600	600	600	600	600	600	600	
Interest Earnings (excluding Capital Fund)	521	716	405	891	1,040	1,065	2,076	2,103	2,131	3,529	
<b>Total Revenue</b>	<b>\$ 586,479</b>	<b>\$ 669,211</b>	<b>\$ 673,575</b>	<b>\$ 678,769</b>	<b>\$ 683,659</b>	<b>\$ 688,459</b>	<b>\$ 694,277</b>	<b>\$ 699,145</b>	<b>\$ 704,049</b>	<b>\$ 710,355</b>	
<b>USE OF OPERATING RESERVES</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	
<b>NET CASH FLOW (DEFICIENCY)</b>	<b>\$ 231,372</b>	<b>\$ 314,001</b>	<b>\$ 198,649</b>	<b>\$ 107,546</b>	<b>\$ (113,415)</b>	<b>\$ (62,963)</b>	<b>\$ (77,584)</b>	<b>\$ (393,990)</b>	<b>\$ (305,414)</b>	<b>\$ (320,967)</b>	

Coverage Sufficiency Test	Fiscal Year Ending 6/30:										
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
<b>EXPENSES</b>											
Cash Operating Expenses	\$ 221,794	\$ 252,775	\$ 317,151	\$ 410,276	\$ 425,896	\$ 442,141	\$ 459,036	\$ 476,608	\$ 494,886	\$ 513,899	
Maximum Annual Revenue Bond Debt Service	-	-	58,933	58,933	58,933	210,476	210,476	210,476	420,951	420,951	
Revenue Bond Coverage Requirement at 1.5	-	-	29,467	29,467	29,467	105,238	105,238	105,238	210,476	210,476	
<b>Total Expenses</b>	<b>\$ 221,794</b>	<b>\$ 252,775</b>	<b>\$ 405,551</b>	<b>\$ 498,675</b>	<b>\$ 514,296</b>	<b>\$ 757,855</b>	<b>\$ 774,750</b>	<b>\$ 792,322</b>	<b>\$ 1,126,313</b>	<b>\$ 1,145,326</b>	
<b>ALLOWABLE REVENUES</b>											
Rate Revenue	\$ 585,043	\$ 667,895	\$ 672,570	\$ 677,278	\$ 682,019	\$ 686,793	\$ 691,601	\$ 696,442	\$ 701,317	\$ 706,226	
Other Revenue	915	600	600	600	600	600	600	600	600	600	
Interest Earnings - All Funds	12,545	8,092	10,311	9,595	7,431	1,697	10,454	6,438	2,409	13,640	
<b>Total Revenue</b>	<b>\$ 598,503</b>	<b>\$ 676,587</b>	<b>\$ 683,481</b>	<b>\$ 687,473</b>	<b>\$ 690,051</b>	<b>\$ 689,090</b>	<b>\$ 702,655</b>	<b>\$ 703,480</b>	<b>\$ 704,326</b>	<b>\$ 720,466</b>	
Coverage Realized	n/a	n/a	6.22	4.70	4.48	1.17	1.16	1.08	0.50	0.49	
<b>COVERAGE SURPLUS (DEFICIENCY)</b>	<b>\$ 376,709</b>	<b>\$ 423,812</b>	<b>\$ 277,930</b>	<b>\$ 188,798</b>	<b>\$ 175,754</b>	<b>\$ (68,764)</b>	<b>\$ (72,095)</b>	<b>\$ (88,842)</b>	<b>\$ (421,987)</b>	<b>\$ (424,859)</b>	

**City of Cottage Grove  
Storm Drainage Utility  
Revenue Requirements Analysis**

Cash Flow Sufficiency Test	Fiscal Ye							
	2024	2025	2026	2027	2028	2029	2030	
<b>EXPENSES</b>								
Cash Operating Expenses	\$ 533,678	\$ 554,256	\$ 575,666	\$ 597,944	\$ 621,127	\$ 645,252	\$ 670,360	
Existing Debt Service	94,123	96,402	98,188	85,160	95,192	90,100	92,000	
New Debt Service	420,951	656,684	656,684	656,684	892,417	892,417	892,417	
Rate-Funded CIP	267,407	-	-	377,023	-	-	218,443	
Rate-Funded System Reinvestment	-	-	-	-	-	-	-	
Additions Required to Meet Minimum Op. Fund Balance	-	-	-	-	-	-	-	
<b>Total Expenses</b>	<b>\$ 1,316,160</b>	<b>\$ 1,307,342</b>	<b>\$ 1,330,539</b>	<b>\$ 1,716,811</b>	<b>\$ 1,608,735</b>	<b>\$ 1,627,769</b>	<b>\$ 1,873,221</b>	
<b>REVENUES</b>								
Rate Revenue	\$ 711,170	\$ 716,148	\$ 721,161	\$ 726,209	\$ 731,293	\$ 736,412	\$ 741,567	
Other Revenue	600	600	600	600	600	600	600	
Interest Earnings (excluding Capital Fund)	3,559	3,591	5,156	5,190	5,226	6,796	6,834	
<b>Total Revenue</b>	<b>\$ 715,329</b>	<b>\$ 720,339</b>	<b>\$ 726,917</b>	<b>\$ 732,000</b>	<b>\$ 737,119</b>	<b>\$ 743,807</b>	<b>\$ 749,001</b>	
<b>USE OF OPERATING RESERVES</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	
<b>NET CASH FLOW (DEFICIENCY)</b>	<b>\$ (600,830)</b>	<b>\$ (587,003)</b>	<b>\$ (603,621)</b>	<b>\$ (984,811)</b>	<b>\$ (871,616)</b>	<b>\$ (883,962)</b>	<b>\$ (1,124,220)</b>	

Coverage Sufficiency Test	Fiscal Ye							
	2024	2025	2026	2027	2028	2029	2030	
<b>EXPENSES</b>								
Cash Operating Expenses	\$ 533,678	\$ 554,256	\$ 575,666	\$ 597,944	\$ 621,127	\$ 645,252	\$ 670,360	
Maximum Annual Revenue Bond Debt Service	420,951	656,684	656,684	656,684	892,417	892,417	892,417	
Revenue Bond Coverage Requirement at 1.5	210,476	328,342	328,342	328,342	446,208	446,208	446,208	
<b>Total Expenses</b>	<b>\$ 1,165,105</b>	<b>\$ 1,539,282</b>	<b>\$ 1,560,693</b>	<b>\$ 1,582,971</b>	<b>\$ 1,959,752</b>	<b>\$ 1,983,877</b>	<b>\$ 2,008,986</b>	
<b>ALLOWABLE REVENUES</b>								
Rate Revenue	\$ 711,170	\$ 716,148	\$ 721,161	\$ 726,209	\$ 731,293	\$ 736,412	\$ 741,567	
Other Revenue	600	600	600	600	600	600	600	
Interest Earnings - All Funds	7,711	4,431	17,346	10,972	6,038	19,729	12,386	
<b>Total Revenue</b>	<b>\$ 719,481</b>	<b>\$ 721,179</b>	<b>\$ 739,107</b>	<b>\$ 737,782</b>	<b>\$ 737,931</b>	<b>\$ 756,741</b>	<b>\$ 754,553</b>	
Coverage Realized	0.44	0.25	0.25	0.21	0.13	0.12	0.09	
<b>COVERAGE SURPLUS (DEFICIENCY)</b>	<b>\$ (445,624)</b>	<b>\$ (818,103)</b>	<b>\$ (821,586)</b>	<b>\$ (845,189)</b>	<b>\$ (1,221,821)</b>	<b>\$ (1,227,136)</b>	<b>\$ (1,254,433)</b>	

**City of Cottage Grove  
Storm Drainage Utility  
Revenue Requirements Analysis**

Fiscal Year Ending 6/30:											
Fiscal Year Ending 6/30:											
Maximum Revenue Deficiency	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Sufficiency Test Driving the Deficiency	None	None	None	None	Cash	Coverage	Cash	Cash	Coverage	Coverage	
Maximum Deficiency From Tests	\$ -	\$ -	\$ -	\$ -	\$ 113,415	\$ 68,764	\$ 77,584	\$ 393,990	\$ 421,987	\$ 424,859	
less: Net Revenue From Prior Rate Increases	-	-	-	(53,505)	(112,016)	(175,967)	(245,834)	(322,131)	(405,417)	(496,298)	
Revenue Deficiency	\$ -	\$ -	\$ -	\$ -	\$ 1,400	\$ -	\$ -	\$ 71,859	\$ 16,570	\$ -	
Plus: Adjustment for Taxes	-	-	-	-	-	-	-	-	-	-	
<b>Total Revenue Deficiency</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,400</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 71,859</b>	<b>\$ 16,570</b>	<b>\$ -</b>	

Fiscal Year Ending 6/30:											
Fiscal Year Ending 6/30:											
Rate Increases	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Rate Revenue with no Increase	\$ 585,043	\$ 667,895	\$ 672,570	\$ 677,278	\$ 682,019	\$ 686,793	\$ 691,601	\$ 696,442	\$ 701,317	\$ 706,226	
Revenues from Prior Rate Increases	-	-	-	53,505	112,016	175,967	245,834	322,131	405,417	496,298	
Rate Revenue Before Rate Increase (Incl. previous increases)	585,043	667,895	672,570	730,783	794,035	862,761	937,435	1,018,573	1,106,734	1,202,525	
Required Annual Rate Increase	0.00%	0.00%	0.00%	0.00%	0.18%	0.00%	0.00%	7.05%	1.50%	0.00%	
Number of Months New Rates Will Be In Effect	12	12	12	12	12	12	12	12	12	12	
Info: Percentage Increase to Generate Required Revenue	0.00%	0.00%	0.00%	0.00%	0.18%	0.00%	0.00%	7.05%	1.50%	0.00%	
<b>Policy Induced Rate Increases</b>	<b>0.00%</b>	<b>0.00%</b>	<b>7.90%</b>	<b>7.90%</b>	<b>7.90%</b>	<b>7.90%</b>	<b>7.90%</b>	<b>7.90%</b>	<b>7.90%</b>	<b>7.80%</b>	
<b>ANNUAL RATE INCREASE</b>	<b>0.00%</b>	<b>0.00%</b>	<b>7.90%</b>	<b>7.90%</b>	<b>7.90%</b>	<b>7.90%</b>	<b>7.90%</b>	<b>7.90%</b>	<b>7.90%</b>	<b>7.80%</b>	
<b>CUMULATIVE RATE INCREASE</b>	<b>0.00%</b>	<b>0.00%</b>	<b>7.90%</b>	<b>16.42%</b>	<b>25.62%</b>	<b>35.55%</b>	<b>46.25%</b>	<b>57.81%</b>	<b>70.27%</b>	<b>83.56%</b>	

Fiscal Year Ending 6/30:											
Fiscal Year Ending 6/30:											
Impacts of Rate Increases	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Rate Revenues After Rate Increase	\$ 585,043	\$ 667,895	\$ 725,703	\$ 788,515	\$ 856,763	\$ 930,919	\$ 1,011,493	\$ 1,099,040	\$ 1,194,166	\$ 1,296,322	
Full Year Rate Revenues After Rate Increase	585,043	667,895	725,703	788,515	856,763	930,919	1,011,493	1,099,040	1,194,166	1,296,322	
Additional Taxes/Franchise Fees Due to Rate Increases	-	-	-	-	-	-	-	-	-	-	
Net Cash Flow After Rate Increase	231,372	314,001	251,782	218,783	61,329	181,163	242,308	8,608	187,434	269,129	
Coverage After Rate Increase	n/a	n/a	7.12	6.59	7.45	2.33	2.68	2.99	1.67	1.89	



**City of Cottage Grove  
Storm Drainage Utility  
Revenue Requirements Analysis**

	Fiscal Ye						
	2024	2025	2026	2027	2028	2029	2030
<b>Maximum Revenue Deficiency</b>							
Sufficiency Test Driving the Deficiency	<i>Cash</i>	<i>Coverage</i>	<i>Coverage</i>	<i>Cash</i>	<i>Coverage</i>	<i>Coverage</i>	<i>None</i>
Maximum Deficiency From Tests	\$ 600,830	\$ 818,103	\$ 821,586	\$ 984,811	\$ 1,221,821	\$ 1,227,136	\$ 1,254,433
less: Net Revenue From Prior Rate Increases	(594,226)	(700,919)	(817,131)	(943,677)	(1,081,446)	(1,231,399)	(1,299,467)
Revenue Deficiency	\$ 6,604	\$ 117,184	\$ 4,455	\$ 41,134	\$ 140,375	\$ -	\$ -
Plus: Adjustment for Taxes	-	-	-	-	-	-	-
<b>Total Revenue Deficiency</b>	<b>\$ 6,604</b>	<b>\$ 117,184</b>	<b>\$ 4,455</b>	<b>\$ 41,134</b>	<b>\$ 140,375</b>	<b>\$ -</b>	<b>\$ -</b>

	Fiscal Ye						
	2024	2025	2026	2027	2028	2029	2030
<b>Rate Increases</b>							
Rate Revenue with no Increase	\$ 711,170	\$ 716,148	\$ 721,161	\$ 726,209	\$ 731,293	\$ 736,412	\$ 741,567
Revenues from Prior Rate Increases	594,226	700,919	817,131	943,677	1,081,446	1,231,399	1,299,467
Rate Revenue Before Rate Increase (Incl. previous increases)	1,305,396	1,417,067	1,538,292	1,669,887	1,812,739	1,967,811	2,041,034
Required Annual Rate Increase	0.51%	8.27%	0.29%	2.46%	7.74%	0.00%	0.00%
Number of Months New Rates Will Be In Effect	12	12	12	12	12	12	12
Info: Percentage Increase to Generate Required Revenue	0.51%	8.27%	0.29%	2.46%	7.74%	0.00%	0.00%
<b>Policy Induced Rate Increases</b>	<b>7.80%</b>	<b>7.80%</b>	<b>7.80%</b>	<b>7.80%</b>	<b>7.80%</b>	<b>3.00%</b>	
<b>ANNUAL RATE INCREASE</b>	<b>7.80%</b>	<b>7.80%</b>	<b>7.80%</b>	<b>7.80%</b>	<b>7.80%</b>	<b>3.00%</b>	<b>0.00%</b>
<b>CUMULATIVE RATE INCREASE</b>	<b>97.87%</b>	<b>113.31%</b>	<b>129.95%</b>	<b>147.88%</b>	<b>167.22%</b>	<b>175.23%</b>	<b>175.23%</b>

	Fiscal Ye						
	2024	2025	2026	2027	2028	2029	2030
<b>Impacts of Rate Increases</b>							
Rate Revenues After Rate Increase	\$ 1,407,217	\$ 1,527,599	\$ 1,658,279	\$ 1,800,138	\$ 1,954,132	\$ 2,026,846	\$ 2,041,034
Full Year Rate Revenues After Rate Increase	1,407,217	1,527,599	1,658,279	1,800,138	1,954,132	2,026,846	2,041,034
Additional Taxes/Franchise Fees Due to Rate Increases	-	-	-	-	-	-	-
Net Cash Flow After Rate Increase	95,217	224,448	333,496	89,117	351,223	406,472	175,247
Coverage After Rate Increase	2.09	1.49	1.68	1.85	1.50	1.57	1.55

**City of Cottage Grove  
Storm Drainage Utility  
Fund Activity**

<b>Funds</b>	<b>Fiscal Year Ending 6/30:</b>											
	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	
<b>OPERATING FUND</b>												
Beginning Balance	\$ 80,203	\$ 110,133	\$ 62,287	\$ 78,150	\$ 101,097	\$ 104,946	\$ 108,949	\$ 113,112	\$ 117,442	\$ 121,946	\$ 126,631	
plus: Net Cash Flow after Rate Increase	231,372	314,001	251,782	218,783	61,329	181,163	242,308	8,608	187,434	269,129	95,217	
less: Transfer of Surplus to Capital Fund	(275,140)	(361,847)	(235,919)	(195,836)	(57,480)	(177,160)	(238,145)	(4,278)	(182,930)	(264,444)	(90,343)	
Ending Balance	\$ 36,435	\$ 62,287	\$ 78,150	\$ 101,097	\$ 104,946	\$ 108,949	\$ 113,112	\$ 117,442	\$ 121,946	\$ 126,631	\$ 131,504	
<i>Minimum Target Balance</i>	27,344	41,552	51,992	67,443	70,010	72,681	75,252	78,347	81,351	84,476	87,488	
<i>Maximum Funds to be Kept as Operating Reserves</i>	36,435	62,287	78,150	101,097	104,946	108,949	113,112	117,442	121,946	126,631	131,504	
<i>Info: No of Days of Cash Operating Expenses</i>	60	90	90	90	90	90	90	90	90	90	90	
<b>CAPITAL FUND</b>												
Beginning Balance	\$ 1,849,736	\$ 1,134,734	\$ 1,523,957	\$ 1,339,105	\$ 983,251	\$ 97,198	\$ 1,288,892	\$ 666,810	\$ 42,644	\$ 1,555,562	\$ 638,697	
plus: Rate-Funded System Reinvestment	-	-	-	-	-	-	-	-	-	-	-	
plus: Grants / Developer Donations / Other Outside Sources	-	-	-	-	-	-	-	-	-	-	-	
plus: System Development Charges	21,641	20,000	32,865	33,095	33,327	33,560	33,795	34,032	34,270	34,510	34,751	
plus: Net Debt Proceeds Available for Projects	-	-	700,000	-	-	1,800,000	-	-	2,500,000	-	-	
plus: Direct Rate Funding	-	-	-	-	212,086	-	-	310,392	-	-	267,407	
plus: Interest Earnings	12,023	7,376	9,906	8,704	6,391	632	8,378	4,334	277	10,111	4,152	
plus: Transfer of Surplus from Operating Fund	275,140	361,847	235,919	195,836	57,480	177,160	238,145	4,278	182,930	264,444	90,343	
less: Capital Expenditures	-	-	(1,163,542)	(593,490)	(1,195,337)	(819,658)	(902,400)	(977,202)	(1,204,560)	(1,225,930)	(906,104)	
Ending Balance	\$ 2,158,540	\$ 1,523,957	\$ 1,339,105	\$ 983,251	\$ 97,198	\$ 1,288,892	\$ 666,810	\$ 42,644	\$ 1,555,562	\$ 638,697	\$ 129,246	
<i>Minimum Target Balance</i>	\$ 24,224	\$ 24,224	\$ 35,859	\$ 41,794	\$ 53,747	\$ 61,944	\$ 70,968	\$ 80,740	\$ 92,786	\$ 105,045	\$ 114,106	
<b>DEBT RESERVE</b>												
Beginning Balance	\$ -	\$ -	\$ -	\$ 58,933	\$ 58,933	\$ 58,933	\$ 210,476	\$ 210,476	\$ 210,476	\$ 420,951	\$ 420,951	
plus: Reserve Funding from New Debt	-	-	58,933	-	-	151,542	-	-	210,476	-	-	
less: Use of Reserves for Debt Service	-	-	-	-	-	-	-	-	-	-	-	
Ending Balance	\$ -	\$ -	\$ 58,933	\$ 58,933	\$ 58,933	\$ 210,476	\$ 210,476	\$ 210,476	\$ 420,951	\$ 420,951	\$ 420,951	
<i>Minimum Target Balance</i>	-	-	58,933	58,933	58,933	210,476	210,476	210,476	420,951	420,951	420,951	

**City of Cottage Grove  
Storm Drainage Utility  
Fund Activity**

<b>Funds</b>	<b>Fiscal Year Ending 6/30:</b>		<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>				
<b>OPERATING FUND</b>												
Beginning Balance	\$	131,504	\$	136,575	\$	141,851	\$	147,340	\$	153,053	\$	158,998
plus: Net Cash Flow after Rate Increase		224,448		333,496		89,117		351,223		406,472		175,247
less: Transfer of Surplus to Capital Fund		(219,377)		(328,220)		(83,628)		(345,511)		(400,527)		(169,060)
Ending Balance	\$	136,575	\$	141,851	\$	147,340	\$	153,053	\$	158,998	\$	165,185
<i>Minimum Target Balance</i>		91,111		94,630		98,292		101,824		106,069		110,196
<i>Maximum Funds to be Kept as Operating Reserves</i>		136,575		141,851		147,340		153,053		158,998		165,185
<i>Info: No of Days of Cash Operating Expenses</i>		90		90		90		90		90		90
<b>CAPITAL FUND</b>												
Beginning Balance	\$	129,246	\$	1,875,331	\$	889,489	\$	124,896	\$	1,989,781	\$	854,108
plus: Rate-Funded System Reinvestment		-		-		-		-		-		-
plus: Grants / Developer Donations / Other Outside Sources		-		-		-		-		-		-
plus: System Development Charges		34,995		35,240		35,486		35,735		35,985		36,237
plus: Net Debt Proceeds Available for Projects		2,800,000		-		-		2,800,000		-		-
plus: Direct Rate Funding		-		-		377,023		-		-		218,443
plus: Interest Earnings		840		12,190		5,782		812		12,934		5,552
plus: Transfer of Surplus from Operating Fund		219,377		328,220		83,628		345,511		400,527		169,060
less: Capital Expenditures		(1,309,127)		(1,361,492)		(1,266,511)		(1,317,172)		(1,585,119)		(1,072,552)
Ending Balance	\$	1,875,331	\$	899,489	\$	124,896	\$	1,989,781	\$	854,108	\$	210,849
<i>Minimum Target Balance</i>	\$	127,197	\$	140,812	\$	153,477	\$	166,649	\$	182,500	\$	193,226
<b>DEBT RESERVE</b>												
Beginning Balance	\$	420,951	\$	656,684	\$	656,684	\$	656,684	\$	892,417	\$	892,417
plus: Reserve Funding from New Debt		235,733		-		-		235,733		-		-
less: Use of Reserves for Debt Service		-		-		-		-		-		-
Ending Balance	\$	656,684	\$	656,684	\$	656,684	\$	892,417	\$	892,417	\$	892,417
<i>Minimum Target Balance</i>		656,684		656,684		656,684		892,417		892,417		892,417