

# City of Cottage Grove



## Utility Rate Update

June 8, 2015

John Ghilarducci





# Agenda

---

- ◆ **Background**
- ◆ **Common assumptions**
- ◆ **Water**
- ◆ **Wastewater**
- ◆ **Storm drainage**
- ◆ **Rate summary**
- ◆ **Rate comparisons**



# Background

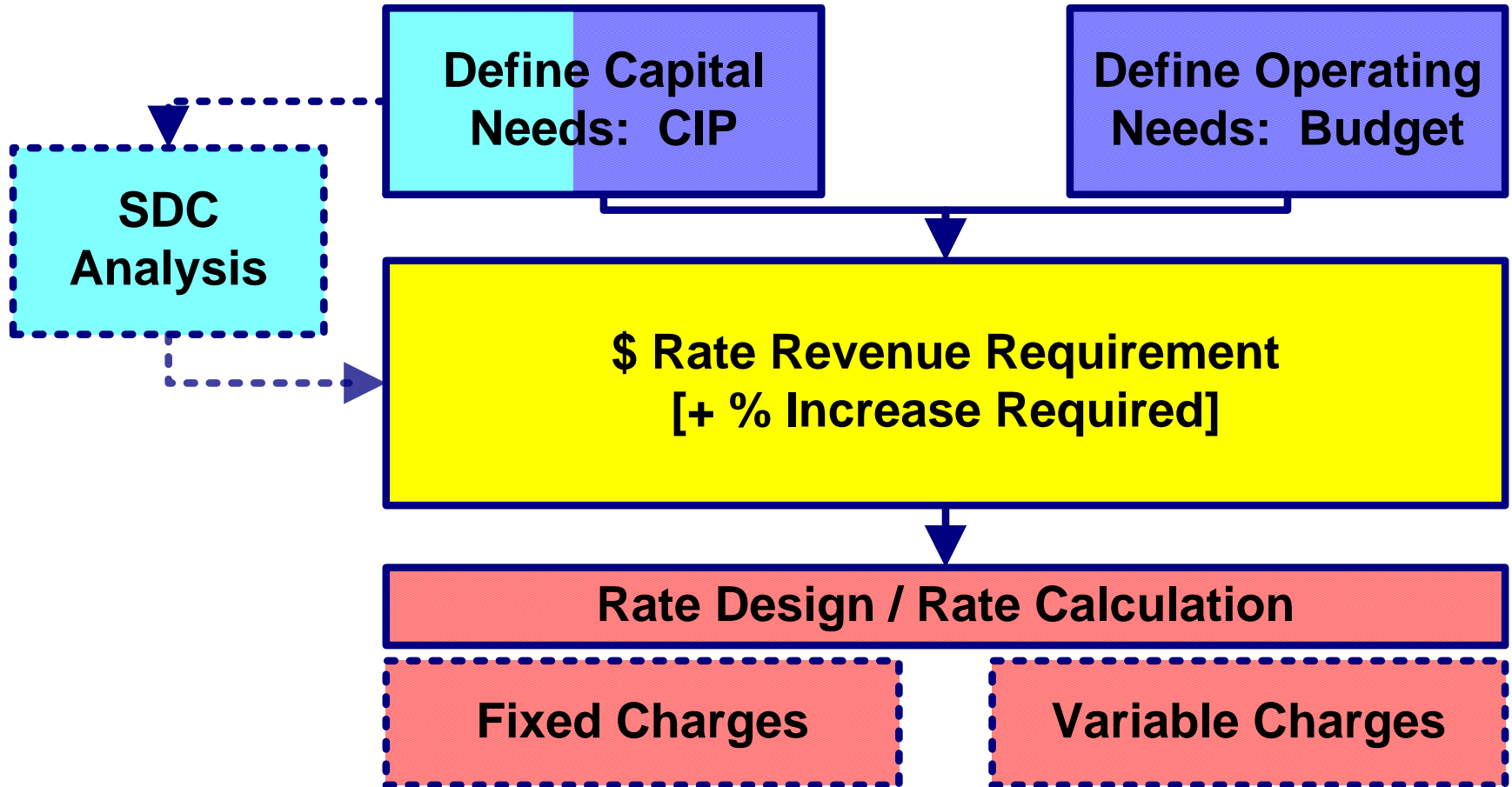
---

## Utility rates should . . .

- ◆ **Generate sufficient revenues to sustain the utility system.**
- ◆ **Charge for services provided.**
- ◆ **Recover costs equitably.**
- ◆ **Achieve policy objectives.**



# Background





# Common Assumptions

---

- ◆ **Annual cost escalation**
  - General inflation 3.2%
  - Customer growth 0.7%
  - Salaries 3.1%
  - Benefits 5.0%
  - Capital outlays 4.0%
- ◆ **Minimum operating fund balance of 60 days**
- ◆ **Minimum bond coverage ratio of 1.50**



# Water: Current Rate Structure

---

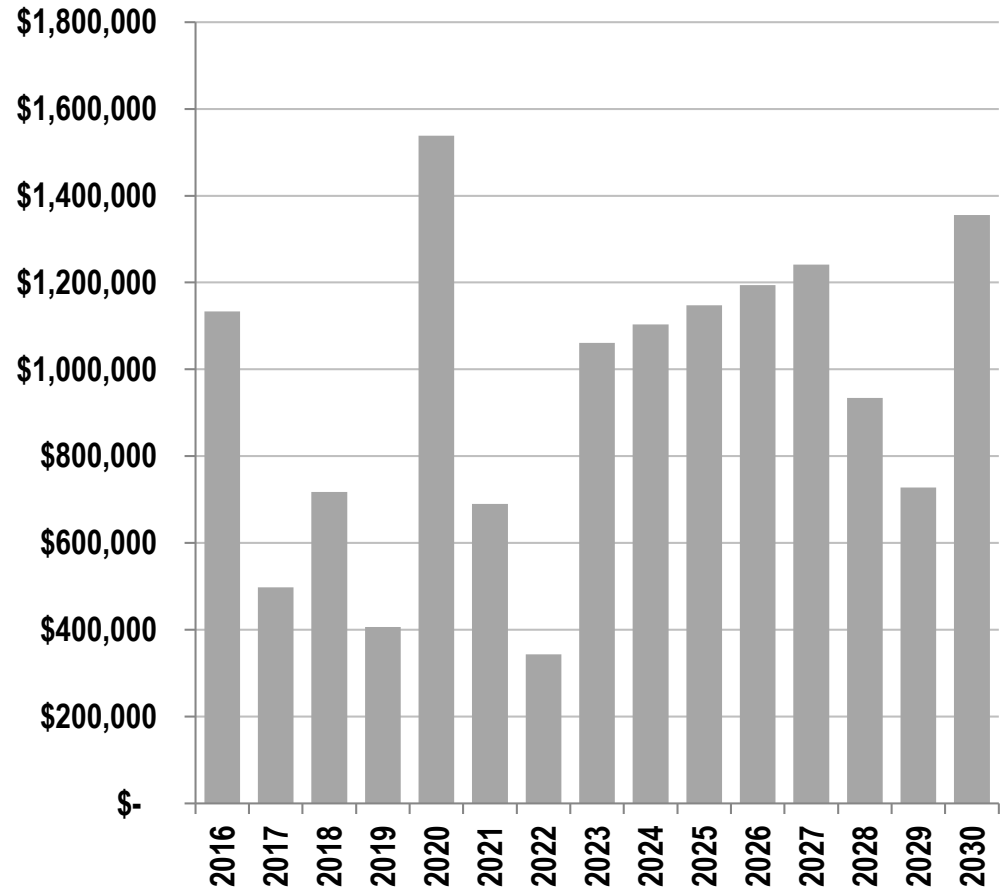
- ◆ **Fixed monthly charge based on**
  - Meter size
  - Customer class
  - Inside/outside city limits
- ◆ **Volume charge per 1,000 gallons based on**
  - Customer class
  - Consumption for residential (3 tiers breaking at 6,000 and 15,000 gallons per month)
  - Inside/outside city limits
- ◆ **Monthly improvement fee based on**
  - Meter size
  - Inside/outside city limits

*A single-family residence inside the city using 6,000 gallons pays a monthly water bill of \$47.81.*



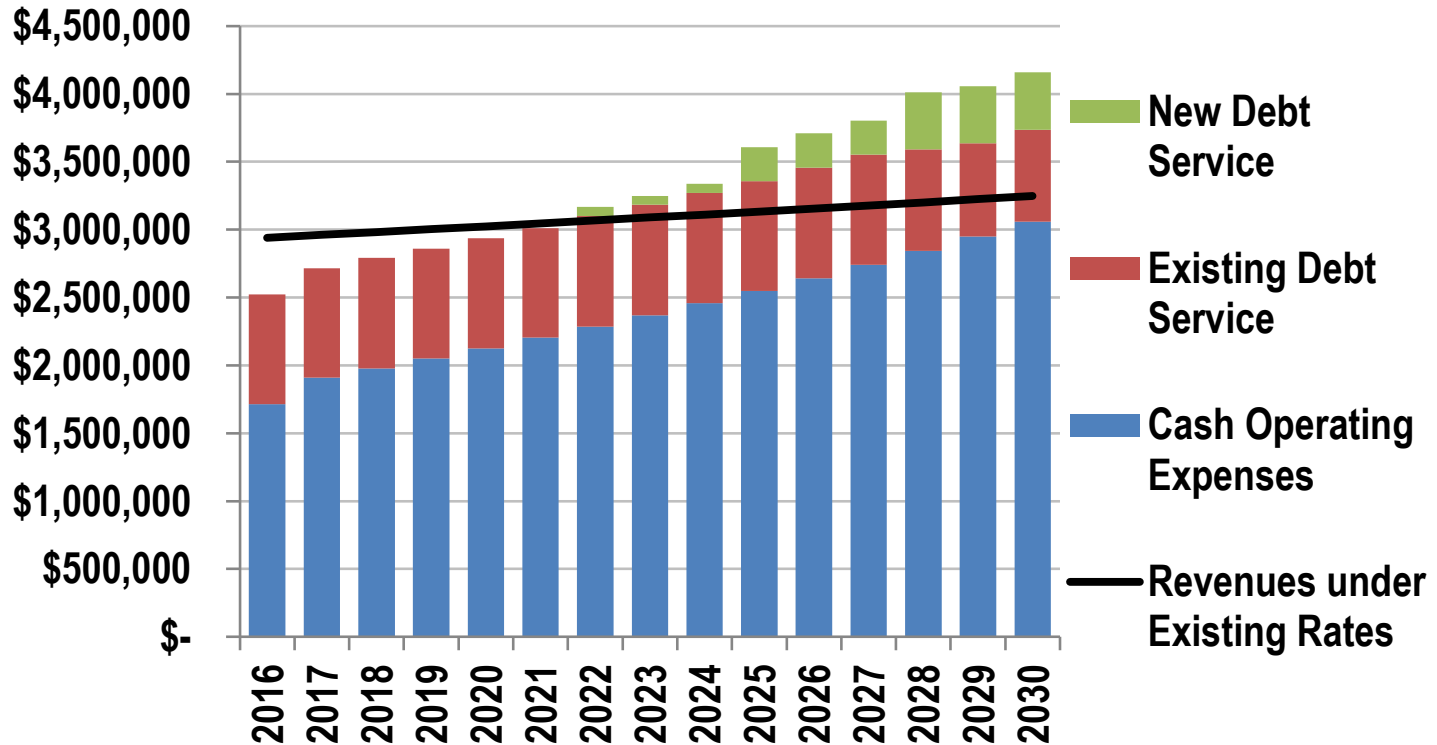
# Water: Capital Needs

- ◆ **Project highlights**
  - Taylor Ave. pump station (\$0.9 million in FY 2016)
  - Filter package (\$1.5 million in FY 2020)
  - 3.1 MG reservoir (\$5.7 million over 5 years from FY 2023 through FY 2027)





# Water: Revenue Sufficiency



***Annual rate increases of 1.8 percent are needed to ensure sufficient debt capacity to complete capital improvements.***





# Water: Summary

- ◆ > \$1 million in capital expenditures in FYs 2016 and 2020.
- ◆ All rate components adjusted proportionately.

Fiscal Year Ending 6/30:	2014	2015	2016	2017	2018	2019	2020	2021	2022
<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
Non-Rate Revenues	93,300	46,598	45,701	46,099	46,711	47,128	47,552	47,982	48,419
<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>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
Existing Debt Service	821,368	808,153	806,756	808,299	814,682	808,566	811,975	806,152	816,563
New Debt Service	-	-	-	-	-	-	-	-	64,827
<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>\$ 3,010,243</b>	<b>\$ 3,166,604</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>\$ 35,440</b>	<b>\$ (99,500)</b>
Net Revenue from Rate Increases	-	-	52,109	105,892	161,394	218,660	277,738	338,675	401,521
<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>\$ 374,114</b>	<b>\$ 302,021</b>
<b>Annual Rate Adjustment</b>	6.8%	4.5%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%
<b>Cumulative Rate Adjustment</b>			1.80%	3.63%	5.50%	7.40%	9.33%	11.30%	13.30%
<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
Improvement rate	22.50	23.51	23.93	24.36	24.80	25.25	25.70	26.17	26.64
Consumption of 6,000 gallons	7.50	7.86	8.00	8.15	8.29	8.44	8.59	8.75	8.91
<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>
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
Net Cash Flow After Rate Increase	594,534	457,501	470,342	350,351	350,722	362,632	364,198	374,114	302,021
Coverage After Rate Increases	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	18.31



# Wastewater: Current Rate Structure

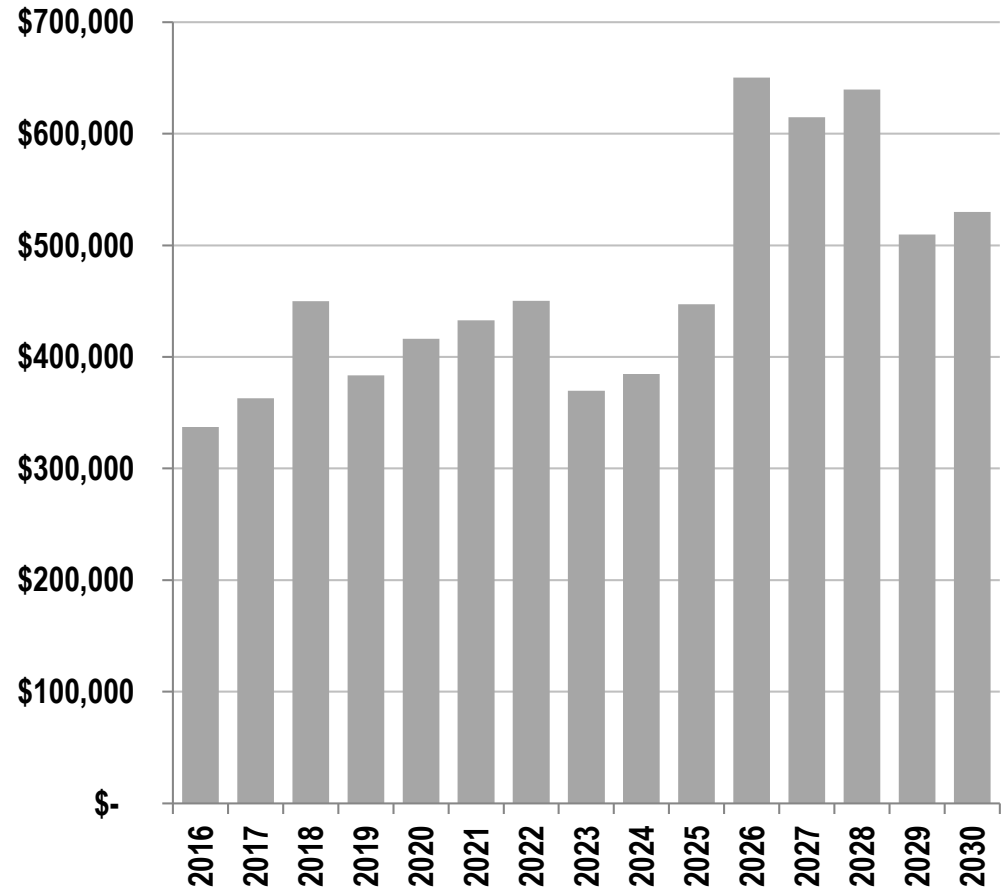
- ◆ **Fixed monthly charge based on**
  - Customer class
  - Inside/outside city limits
- ◆ **Volume charge per 1,000 gallons based on**
  - Customer class
  - Inside/outside city limits
- ◆ **Monthly improvement fee based on**
  - Meter size
  - Inside/outside city limits

*A single-family residence inside the city using 6,000 gallons pays a monthly wastewater bill of \$46.83.*



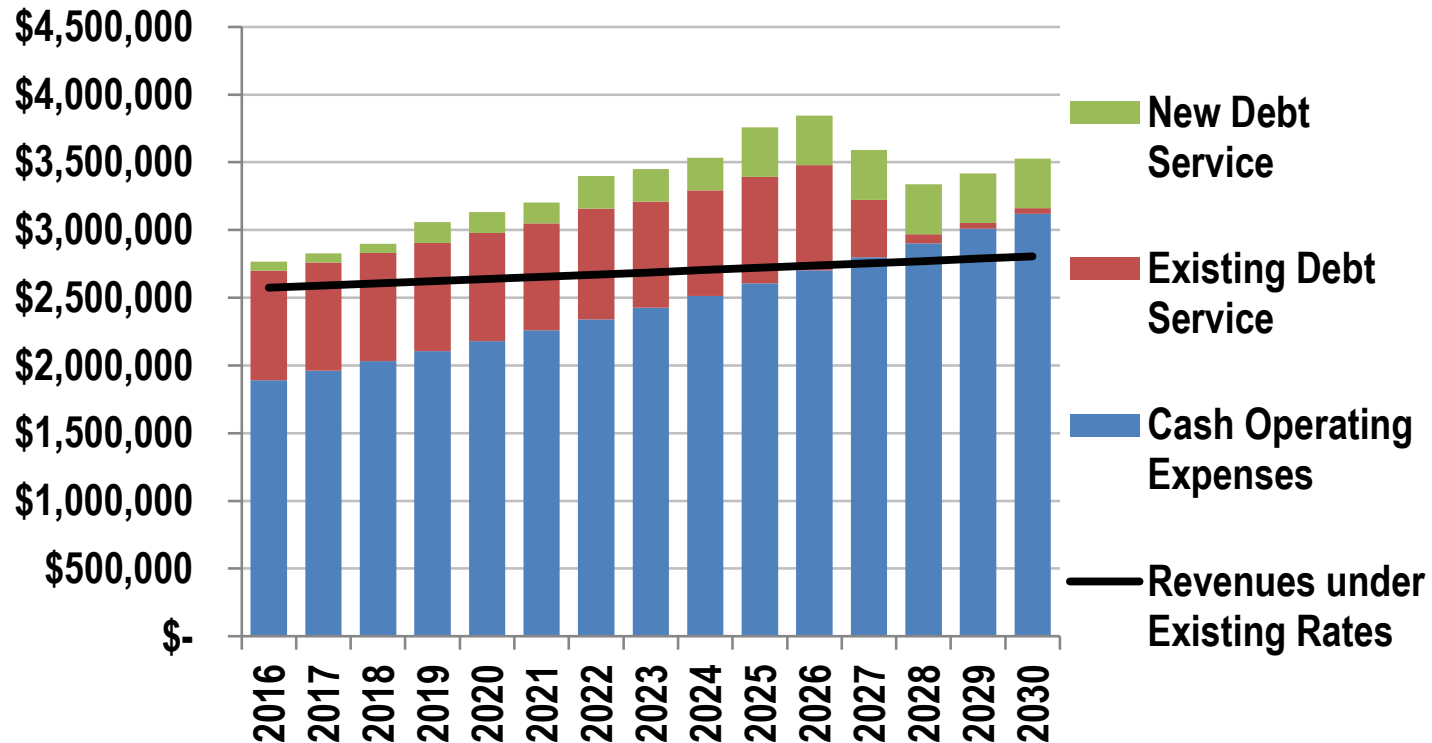
# Wastewater: Capital Needs

- ◆ **Project highlights**
  - Alley from M to Q (\$0.3 million in FY 2018)
  - 10<sup>th</sup> Street from Jefferson to Main (\$1.3 million over 3 years from FY 2020 through FY 2022)
  - Intersection at Grover (\$0.7 million in FY 2026)





# Wastewater: Revenue Sufficiency



***After an initial rate adjustment of 10.5 percent to cure the existing imbalance, annual increases of 3.1 percent will be sufficient to maintain debt capacity.***



# Wastewater: Summary

- ◆ Operating expenses and debt service together exceed revenues.
- ◆ All rate components adjusted proportionately.

Fiscal Year Ending 6/30:	2014	2015	2016	2017	2018	2019	2020	2021	2022
<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
Non-Rate Revenues	395,188	380,169	379,844	380,526	380,986	381,615	382,404	382,803	383,051
<b>Total Revenues</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>\$ 2,671,179</b>
<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
Existing Debt Service	856,639	825,551	807,639	799,841	800,052	799,913	799,174	790,875	818,374
New Debt Service	-	-	67,184	67,184	67,184	153,479	153,479	153,479	240,784
<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>\$ 3,203,287</b>	<b>\$ 3,400,010</b>
<b>Annual Surplus / (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>\$ (548,260)</b>	<b>\$ (728,830)</b>
Net Revenue from Rate Increases	-	-	230,406	307,712	388,452	470,128	555,315	644,144	736,757
<b>Net Surplus / (Deficiency)</b>	<b>\$ 136,577</b>	<b>\$ (49,918)</b>	<b>\$ 37,685</b>	<b>\$ 70,799</b>	<b>\$ 96,658</b>	<b>\$ 35,118</b>	<b>\$ 61,481</b>	<b>\$ 95,884</b>	<b>\$ 7,927</b>
<b>Annual Rate Adjustment</b>	<b>0.0%</b>	<b>6.5%</b>	<b>10.50%</b>	<b>3.10%</b>	<b>3.10%</b>	<b>3.00%</b>	<b>3.00%</b>	<b>3.00%</b>	<b>3.00%</b>
<b>Cumulative Rate Adjustment</b>	<b>0.0%</b>	<b>6.5%</b>	<b>10.50%</b>	<b>13.93%</b>	<b>17.46%</b>	<b>20.98%</b>	<b>24.61%</b>	<b>28.35%</b>	<b>32.20%</b>
<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
Improvement rate	16.07	17.11	18.91	19.49	20.10	20.70	21.32	21.96	22.62
Consumption of 6,000 gallons	21.06	22.44	24.80	25.56	26.36	27.15	27.96	28.80	29.67
<b>Total</b>	<b>\$ 43.97</b>	<b>\$ 46.83</b>	<b>\$ 51.75</b>	<b>\$ 53.35</b>	<b>\$ 55.01</b>	<b>\$ 56.66</b>	<b>\$ 58.36</b>	<b>\$ 60.11</b>	<b>\$ 61.91</b>
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
Net Cash Flow After Rate Increase	136,577	(49,918)	37,685	70,799	96,658	35,118	61,481	95,884	7,927
Coverage After Rate Increases	n/a	n/a	13.61	14.03	14.39	6.44	6.64	6.79	4.43



# Wastewater: Alternative Scenario Summary

- ◆ Assumes City uses effluent to irrigate airport site.
- ◆ Assumes debt service on \$2.5m project begins in 2017.

Fiscal Year Ending 6/30:	2014	2015	2016	2017	2018	2019	2020	2021	2022
<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
Non-Rate Revenues	395,188	380,169	379,844	380,526	380,538	380,831	381,407	381,652	382,182
<b>Total Revenues</b>	<b>\$ 2,435,230</b>	<b>\$ 2,559,254</b>	<b>\$ 2,574,183</b>	<b>\$ 2,590,225</b>	<b>\$ 2,605,705</b>	<b>\$ 2,621,574</b>	<b>\$ 2,637,835</b>	<b>\$ 2,653,875</b>	<b>\$ 2,670,311</b>
<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
Existing Debt Service	856,639	825,551	807,639	927,389	927,600	927,461	926,722	918,424	945,922
New Debt Service	-	-	67,184	67,184	67,184	153,479	153,479	153,479	240,784
<b>Total Expenses</b>	<b>\$ 2,298,653</b>	<b>\$ 2,609,172</b>	<b>\$ 2,766,903</b>	<b>\$ 2,954,686</b>	<b>\$ 3,025,495</b>	<b>\$ 3,184,916</b>	<b>\$ 3,260,214</b>	<b>\$ 3,330,835</b>	<b>\$ 3,527,558</b>
<b>Annual Surplus / (Deficiency)</b>	<b>\$ 136,577</b>	<b>\$ (49,918)</b>	<b>\$ (192,720)</b>	<b>\$ (364,461)</b>	<b>\$ (419,790)</b>	<b>\$ (563,341)</b>	<b>\$ (622,378)</b>	<b>\$ (676,960)</b>	<b>\$ (857,247)</b>
Net Revenue from Rate Increases	-	-	230,406	366,313	464,857	565,629	660,021	758,621	858,545
<b>Net Surplus / (Deficiency)</b>	<b>\$ 136,577</b>	<b>\$ (49,918)</b>	<b>\$ 37,685</b>	<b>\$ 1,852</b>	<b>\$ 45,066</b>	<b>\$ 2,288</b>	<b>\$ 37,643</b>	<b>\$ 81,661</b>	<b>\$ 1,299</b>
<b>Annual Rate Adjustment</b>	<b>0.0%</b>	<b>6.5%</b>	<b>10.50%</b>	<b>5.50%</b>	<b>3.70%</b>	<b>3.60%</b>	<b>3.20%</b>	<b>3.20%</b>	<b>3.10%</b>
<b>Cumulative Rate Adjustment</b>	<b>0.0%</b>	<b>6.5%</b>	<b>10.50%</b>	<b>16.58%</b>	<b>20.89%</b>	<b>25.24%</b>	<b>29.25%</b>	<b>33.39%</b>	<b>37.52%</b>
<b>Rates for Average Single-Family Residence</b>									
Base rate	\$ 6.84	\$ 7.28	\$ 8.04	\$ 8.49	\$ 8.80	\$ 9.12	\$ 9.41	\$ 9.71	\$ 10.01
Improvement rate	16.07	17.11	18.91	19.95	20.68	21.43	22.11	22.82	23.53
Consumption of 6,000 gallons	21.06	22.44	24.80	26.16	27.13	28.10	29.00	29.93	30.86
<b>Total</b>	<b>\$ 43.97</b>	<b>\$ 46.83</b>	<b>\$ 51.75</b>	<b>\$ 54.59</b>	<b>\$ 56.61</b>	<b>\$ 58.65</b>	<b>\$ 60.53</b>	<b>\$ 62.47</b>	<b>\$ 64.40</b>
Rate Revenues After Rate Increase	\$ 2,040,042	\$ 2,179,085	\$ 2,424,744	\$ 2,576,012	\$ 2,690,024	\$ 2,806,372	\$ 2,916,450	\$ 3,030,844	\$ 3,146,674
Net Cash Flow After Rate Increase	136,577	(49,918)	37,685	1,852	45,066	2,288	37,643	81,661	1,299
Coverage After Rate Increases	n/a	n/a	13.61	14.91	15.52	7.06	7.31	7.53	4.93



# Storm Drainage: Current Rate Structure

- ◆ **Monthly charge based on number of equivalent service units**
  - Single-family residence = 1 ESU
  - 2,650 square feet of impervious surface area = 1 ESU for other classes
- ◆ **Monthly improvement fee based on number of equivalent service units**
  - Single-family residence = 1 ESU
  - 2,650 square feet of impervious surface area = 1 ESU for other classes

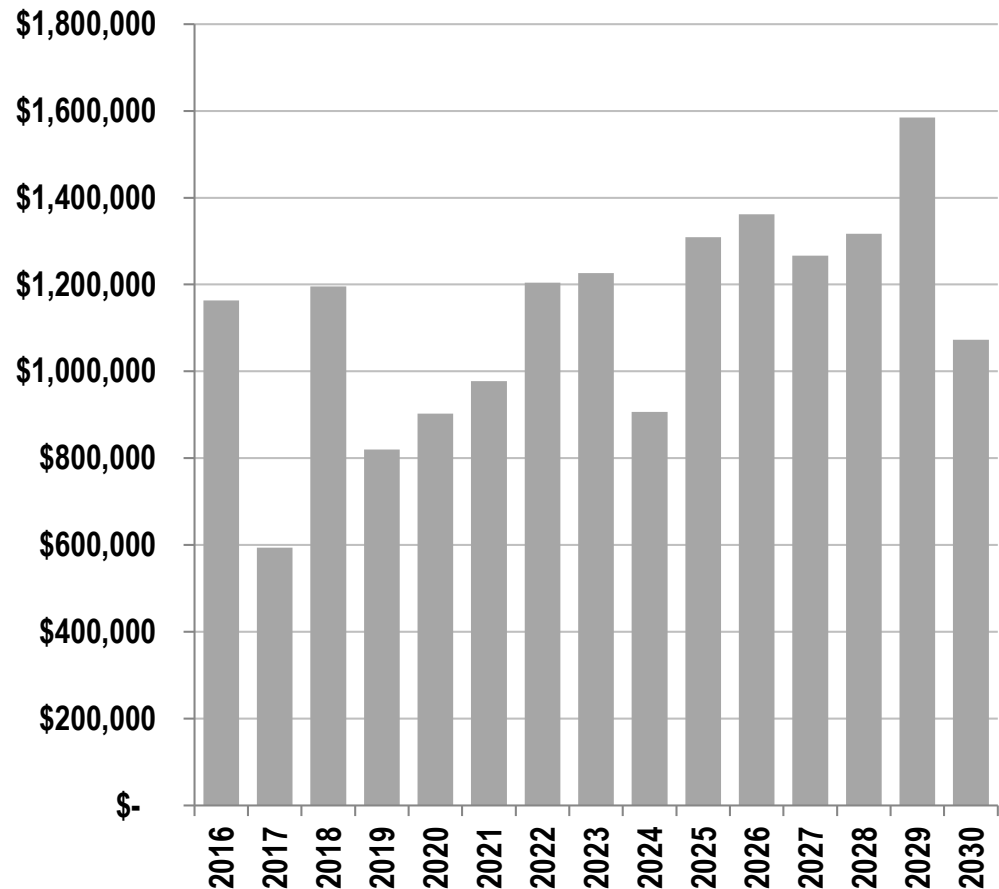
***A single-family residence inside the city pays a monthly storm drainage bill of \$8.52.***



# Storm Drainage: Capital Needs

## ◆ Project highlights

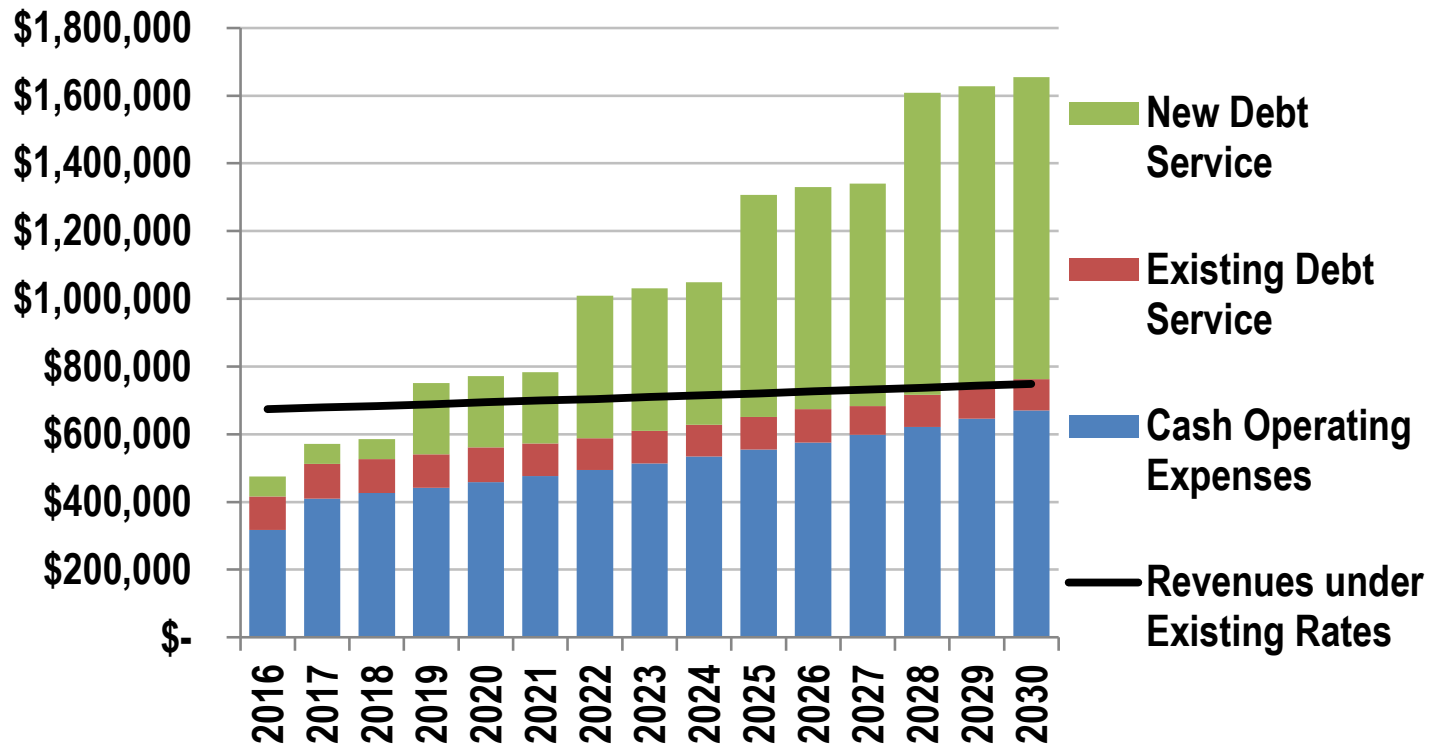
- Fillmore Ave. from 8<sup>th</sup> to Coast Fork (\$1.2 million in FY 2016)
- North 16<sup>th</sup> St. (\$1.2 million in FY 2018)
- Lane Street (\$1.6 million in FY 2029)







# Storm Drainage: Revenue Sufficiency



***Annual rate increases of 7.9 percent are needed to ensure sufficient debt capacity to complete capital improvements.***



# Storm Drainage: Summary

- ◆ > \$1 million in capital expenditures in FYs 2016, 2018, and 2022.
- ◆ All rate components adjusted proportionately.

Fiscal Year Ending 6/30:	2014	2015	2016	2017	2018	2019	2020	2021	2022
<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
Non-Rate Revenues	1,436	1,316	1,005	1,491	1,640	1,665	2,676	2,703	2,731
<b>Total Revenues</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>Expenses</b>									
Cash Operating Expenses	\$ 221,794	\$ 252,775	\$ 317,151	\$ 410,276	\$ 425,896	\$ 442,141	\$ 459,036	\$ 476,608	\$ 494,886
Existing Debt Service	133,314	102,435	98,842	102,014	100,159	98,804	102,349	95,660	93,626
New Debt Service	-	-	58,933	58,933	58,933	210,476	210,476	210,476	420,951
<b>Total Expenses</b>	<b>\$ 355,108</b>	<b>\$ 355,210</b>	<b>\$ 474,926</b>	<b>\$ 571,223</b>	<b>\$ 584,989</b>	<b>\$ 751,421</b>	<b>\$ 771,861</b>	<b>\$ 782,744</b>	<b>\$1,009,463</b>
<b>Annual Surplus / (Deficiency)</b>	<b>\$ 231,372</b>	<b>\$ 314,001</b>	<b>\$ 198,649</b>	<b>\$ 107,546</b>	<b>\$ 98,670</b>	<b>\$ (62,963)</b>	<b>\$ (77,584)</b>	<b>\$ (83,598)</b>	<b>\$ (305,414)</b>
Net Revenue from Rate Increases	-	-	53,133	111,237	174,744	244,126	319,892	402,598	492,849
<b>Net Surplus / (Deficiency)</b>	<b>\$ 231,372</b>	<b>\$ 314,001</b>	<b>\$ 251,782</b>	<b>\$ 218,783</b>	<b>\$ 273,415</b>	<b>\$ 181,163</b>	<b>\$ 242,308</b>	<b>\$ 319,000</b>	<b>\$ 187,434</b>
<b>Annual Rate Adjustment</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>Cumulative Rate Adjustment</b>	<b>13.9%</b>	<b>14.0%</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>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
Improvement rate	4.24	5.15	5.56	6.00	6.47	6.98	7.53	8.13	8.77
<b>Total</b>	<b>\$ 7.47</b>	<b>\$ 8.52</b>	<b>\$ 9.19</b>	<b>\$ 9.92</b>	<b>\$ 10.70</b>	<b>\$ 11.55</b>	<b>\$ 12.46</b>	<b>\$ 13.45</b>	<b>\$ 14.51</b>
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
Net Cash Flow After Rate Increase	231,372	314,001	251,782	218,783	273,415	181,163	242,308	319,000	187,434
Coverage After Rate Increases	n/a	n/a	7.12	6.59	7.45	2.33	2.68	2.99	1.67



# Rate Summary

Fiscal Year Ending 6/30:	2015	2016	2017	2018	2019	2020	2021	2022
<b>Rates</b>								
Water								
Base	\$16.44	\$16.74	\$17.04	\$17.34	\$17.66	\$17.97	\$18.30	\$18.63
Improvement	23.51	23.93	24.36	24.80	25.25	25.70	26.17	26.64
Per 1,000 gallons	6,000	1.31	1.33	1.36	1.41	1.43	1.46	1.48
Sewer								
Base	7.28	8.04	8.29	8.55	8.81	9.07	9.34	9.62
Improvement	17.11	18.91	19.49	20.10	20.70	21.32	21.96	22.62
Per 1,000 gallons	6,000	3.74	4.13	4.26	4.39	4.52	4.66	4.94
Storm drainage								
Base	3.37	3.64	3.92	4.23	4.57	4.93	5.32	5.74
Improvement	5.15	5.56	6.00	6.47	6.98	7.53	8.13	8.77
<b>Cost to single-family residence</b>								
Water	\$47.81	\$48.67	\$49.55	\$50.44	\$51.35	\$52.27	\$53.21	\$54.17
Sewer	46.83	51.75	53.35	55.01	56.66	58.36	60.11	61.91
Storm drainage	8.52	9.19	9.92	10.70	11.55	12.46	13.45	14.51
Total	\$103.16	\$109.61	\$112.82	\$116.15	\$119.55	\$123.09	\$126.76	\$130.59
Change from previous year		6.25%	2.93%	2.95%	2.93%	2.96%	2.99%	3.02%
<b>Debt</b>								
Amount borrowed for all utilities (not predetermined)	\$0	\$1,498,000	\$0	\$0	\$2,825,000	\$0	\$0	\$4,307,000
Predetermined debt in FY 2015-16		385,000						
Total	0	1,883,000	0	0	2,825,000	0	0	4,307,000



# Rate Comparisons

Jurisdiction	Water <sup>1</sup>	Sewer <sup>1</sup>	Storm	Total
St. Helens	\$ 49.66	\$ 59.41	\$ 10.95	\$120.02
Sweet Home	55.46	62.64	1.00	119.10
<b>Cottage Grove - Proposed</b>	<b>48.67</b>	<b>51.75</b>	<b>9.19</b>	<b>109.61</b>
Independence	55.39	42.93	8.67	106.99
Newport	38.10	60.10	7.50	105.70
Silverton	32.01	72.22	1.00	105.23
<b>Cottage Grove - Existing</b>	<b>47.81</b>	<b>46.83</b>	<b>8.52</b>	<b>103.16</b>
Cornelius	43.28	46.38	12.15	101.81
Lowell	48.36	49.18	-	97.54
Stayton	30.36	56.99	4.00	91.35
Florence	32.54	50.71	5.16	88.41
Veneta	36.31	46.26	2.31	84.88
Springfield <sup>5</sup>	26.43	45.20	11.32	82.96
Astoria <sup>2</sup>	38.25	44.48	-	82.73
Prineville	31.57	49.70	-	81.27
Junction City	29.50	51.55	-	81.05
Creswell	35.34	34.78	-	70.12
La Grande	25.66	38.05	4.00	67.71
EWEB/MWMC/Eugene <sup>3</sup>	28.81	26.52	12.13	67.46
Monmouth	29.21	37.81	-	67.02
North Bend	32.18	30.00	4.50	66.68
Ontario <sup>4</sup>	21.18	40.27	1.16	62.61
Baker City	35.78	18.64	-	54.42

**Source:** Respective cities, Compiled by FCS GROUP.

<sup>1</sup>Based on 3/4" meter and 6,000 gallons (8.02 ccf) water usage.

<sup>2</sup>Includes sewer surcharge

<sup>3</sup>No elevation charge based on medium household

<sup>4</sup>Includes water utility capitalization fee

<sup>5</sup>Based on winter water rates

# John Ghilarducci

Principal

425.867.1802 ext. 225

Contact FCS GROUP:

**425.867.1802**

**[www.fcsgroup.com](http://www.fcsgroup.com)**