

Board Meeting

3/13/2017



Table 1: Fixed and Variable Cost Allocation Groveland Community Services District Sewer Rate Study

P. Joseph College	Test Year	F' - 101	W. Calaba Cara
Budget Category	2016/17	Fixed Cost	Variable Cost
Administration & Board	581,700	100%	0%
<u>Operations</u>			
Employee Salaries and Benefits	262,400	100%	0%
Overhead [1]	53,576	100%	0%
Chemicals	24,720	0%	100%
Laboratory	29,355	50%	50%
Repairs and Maintenance	26,000	25%	75%
Biosolids	10,300	0%	100%
SCADA	6,180	0%	100%
Irrigation Fields	1,545	0%	100%
Groundwater Monitoring	5,150	100%	0%
Utilities	90,125	0%	100%
Total Operations	509,351		
Maintenance			
Employee Salaries and Benefits	337,078	100%	0%
Fuel	21,785	0%	100%
Chemical/Odor Control	10,300	0%	100%
Maintenance and Repair	25,750	25%	75%
Emergency Repair Sewer Lines	5,150	100%	0%
Conservation Crew Expenses	2,575	100%	0%
Annual Collect System TV Insp	46,350	100%	0%
Utilities	20,472	0%	100%
Overhead [1]	38,816	100%	0%
Total Maintenance	508,276		
Equipment Leases	40,050	100%	0%
Debt	410,000	90%	10%
Capital Improvement Funding	250,000	90%	10%
Total	2,299,377	1,994,460	304,917
Allocation		87%	13%

^[1] Small tools, supplies, office expenses, misc.

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Table 2 : Customer Information Groveland Community Services District Sewer Rate Study

			Total		Equivelant
		Number of	Number		Number of
Code	Customer Information	Accounts	of Bills	Ratio [1]	Bills
S01	Sewer Monthly Fixed Rate	1,499	17,988	1.00	17,988
S01FC	Fixed Consump Fee 3100 ga	15	180	0.41	73
S02	Sewer Coml Monthly Fixed Ra	91	1,092	1.00	1,092
S02S	Coml w/stdby	1	12	1.00	12
S03	Sewer Coml Monthly Fixed Ra	1	12	1.00	12
S04	Coml 2 Conn Fixed	5	60	2.00	120
S04S	Coml 2 Conn w/Stdby	5	60	2.00	120
S06	Coml 4 Conn Fixed	1	12	4.00	48
	Total	1,618	19,416		19,465

Table 3: Current Monthly Rates Groveland Community Services District Sewer Rate Study

	FY2017
Rate Category	Current Rates
Monthly Minimum Charge	\$53.10
2014 Wastewater Debt Service Charge [1]	\$25.75
Volume Usage Charge	
(\$/gallon metered water use)	
Residential	\$0.00698
Commercial	\$0.01121

[1] Not applicable to Groveland/Big Oak Flat accounts not tributary to Lift Station 7

Table 4a: Capital Improvement Cost- "Low CIP" Groveland Community Services District Sewer Rate Study

	Original Construction	Replacement Cost in
Category	Cost [1]	2016\$ [1]
Pipelines	\$3,720,356	\$16,729,648
Treatment Plant	\$3,975,697	\$10,572,417
Lift Stations	\$4,302,421	\$5,424,148
Vehicles	<u>\$248,306</u>	<u>\$275,074</u>
Total	\$12,246,780	\$33,001,287
Pipeline Annual Capita 60 Year Replacement		\$284,404
30 Year Replacement	Cycle (3.3%)	\$552,078
20 year replacement of	cycle (5%)	\$836,482
15 year replacement of	cycle (6.7%)	\$1,115,310
Short-term goal		\$250,000

^{1 -} Some Groveland CSD facilities are shared between the water and sewer utilities. Only the portion of facilities allocated to the sewer utility are included here.

Table 4b: Capital Improvement Plan - "Updated CIP" Groveland Community Services District Sewer Rate Study

Description	Current	2017/18	2018/19	2019/20	2020/21	2021/22	Total
Force Main Inspection		\$22,969	\$22,969	\$22,969	\$22,969	\$0	\$91,876
A. LS 7 to Wastewater Treatment Plant		143,750	143,750	143,750	143,750	-	575,000
B. LS 13		237,500	237,500	237,500	237,500	-	950,000
C. LS 2		31,250	31,250	31,250	31,250	-	125,000
D. LS 1		9,375	9,375	9,375	9,375	-	37,500
E. LS 14		56,250	56,250	56,250	56,250	-	225,000
F. LS 15		15,688	15,688	15,688	15,688	-	62,750
G. LS8		46,875	46,875	46,875	46,875	-	187,500
H. LS10		159,375	159,375	159,375	159,375	-	637,500
I. LS11		187,500	187,500	187,500	187,500	-	750,000
J. LS3		28,125	28,125	28,125	28,125	-	112,500
K. LS4		6,250	6,250	6,250	6,250	-	25,000
L. LS 9		40,625	40,625	40,625	40,625	-	162,500
M. LS 12		28,125	28,125	28,125	28,125	-	112,500
N. LS 5		106,250	106,250	106,250	106,250	-	425,000
O. LS6		75,000	75,000	75,000	75,000	-	300,000
P. LS 16 [1]		543,750	543,750	543,750	543,750	-	2,175,000
Flume 1400' [1]		175,000	175,000	175,000	175,000	-	700,000
WWTP Headworks		250,000	250,000	250,000	250,000	-	1,000,000
WWTP Repair		-	111,111	111,111	111,111	111,111	444,444
Gravity Sewer Line Rehab		40,810	40,810	40,810	40,810	40,810	204,050
Satelite lift station rehab		-	-	-	100,000	100,000	200,000
Admin Building		22,500	22,500	22,500	22,500	22,500	112,500
TOTAL	\$1,061,000	\$2,226,967	\$2,338,078	\$2,338,078	\$2,438,078	\$274,421	\$9,615,620

[1]Grant Funding

Table 5: Debt Groveland Community Services District Sewer Rate Study

Description	Current	2017/18	2018/19	2019/20	2020/21	2021/22
2014 Bond	324,300	324,300	324,300	324,300	324,300	324,300
Total	324,300	324,300	324,300	324,300	324,300	324,300



Scenario 1 Low CIP



Scenario 1: Low CIP

Table 6a : Cash Flow Projection Scenario 1

Groveland Community Services District

Sewer Rate Study

	Est. Actual	Budget			Projected		
	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
Beginning Fund Balance	•			,		•	· · · · · · · · · · · · · · · · · · ·
Opening Balance [1]	\$545,900	\$857,000	\$617,500	\$399,100	\$385,100	\$519,400	\$819,600
Typical Monthly Bill [2]		\$92.11	\$105.93	\$121.82	\$134.00	\$147.40	\$154.77
Rate Adjustment		0%	15%	15%	10%	10%	5%
Growth		0%	0%	0%	0%	0%	0%
Revenues							
Sewer rate revenues [3]	1,401,500	1,379,300	1,586,200	1,824,100	2,006,500	2,207,200	2,317,600
Debt service charge revenues	410,000	410,000	410,000	410,000	410,000	410,000	410,000
Misc. revenues	31,100	32,000	32,000	32,000	32,000	32,000	32,000
Total Revenues	1,842,600	1,821,300	2,028,200	2,266,100	2,448,500	2,649,200	2,759,600
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Grants	<u>0</u>	964,000	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Expenses							
Administration & Board	556,400	581,700	593,300	605,200	617,300	629,600	642,200
Operations	480,800	509,400	519,600	530,000	540,600	551,400	562,400
Maintenance	492,600	508,300	518,500	528,900	539,500	550,300	561,300
Equipment Leases	38,000	40,100	40,900	41,700	42,500	43,400	44,300
Total Operating Expenses	1,567,800	1,639,500	1,672,300	1,705,800	1,739,900	1,774,700	1,810,200
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Debt Service Payment	324,300	324,300	324,300	324,300	324,300	324,300	324,300
Capital Improvement Projects [4]	153,500	1,061,000	250,000	250,000	250,000	250,000	250,000
Total Operating Revenues	1,842,600	1,821,300	2,028,200	2,266,100	2,448,500	2,649,200	2,759,600
Grants	0	964,000	0	0	0	0	0
Operating Expenses	1,567,800	1,639,500	1,672,300	1,705,800	1,739,900	1,774,700	1,810,200
CIP	153,500	1,061,000	250,000	250,000	250,000	250,000	250,000
Debt Service Payment	324,300	324,300	324,300	324,300	324,300	324,300	324,300
	(203,000)	(239,500)	(218,400)	(14,000)	134,300	300,200	375,100
Opening Fund Balance	545,900	857,000	617,500	399,100	385,100	519,400	819,600
Ending Fund Balance	342,900	617,500	399,100	385,100	519,400	819,600	1,194,700
Dobt Comice Coverage							
Debt Service Coverage	1 042 000	1 021 200	2.020.200	2 200 100	2 440 500	2 (40 200	2.750.600
Total Operating Revenues	1,842,600	1,821,300	2,028,200	2,266,100	2,448,500	2,649,200	2,759,600
Operating Expenses	<u>1,567,800</u>	<u>1,639,500</u>	<u>1,672,300</u>	<u>1,705,800</u>	<u>1,739,900</u>	<u>1,774,700</u>	1,810,200
Net Revenues	274,800	181,800	355,900	560,300	708,600	874,500	949,400
Debt Service Payment	320,685	324,310	322,710	320,885	<u>323,910</u>	<u>321,710</u>	319,285
Debt Coverage	0.86	0.56	1.10	1.75	2.19	2.72	2.97

^{1 -} FY2016/17 Actual Opening Fund Balance

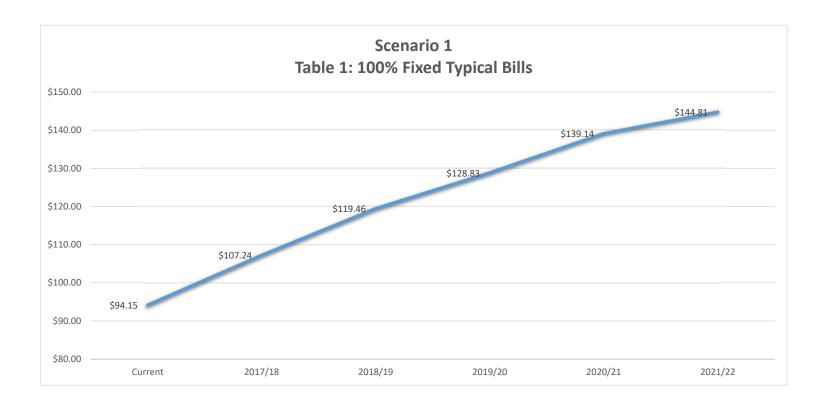
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^{2 -} Fixed Charge + Debt Service Charge + 1900 gallons Consumption

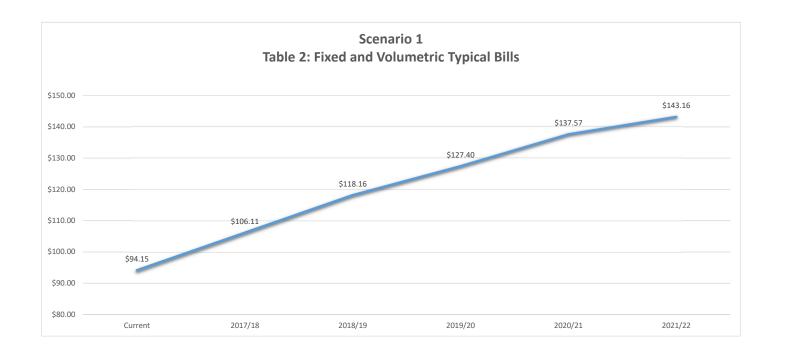
^{3 -} Does not include 2014 Wastewater Debt Service Charge revenues

⁴⁻ CIP based on estimated replacement costs (Table 4a)

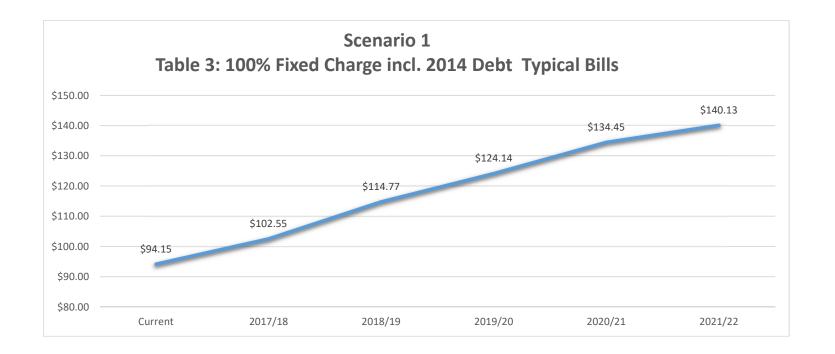
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Scenario 1: Low CIP						
Table 7a : 100% Fixed						
Groveland Community Services District						
Sewer Rate Study						
	Current	2017/18	2018/19	2019/20	2020/21	2021/22
Total Revenue Requirement		\$1,586,200	\$1,824,100	\$2,006,500	\$2,207,200	\$2,317,600
Total Number of Billing Units		19,465	19,465	19,465	19,465	19,465
Fixed Rate per Unit		\$81.49	\$93.71	\$103.08	\$113.39	\$119.06
Debt Service		\$25.75	\$25.75	\$25.75	\$25.75	\$25.75
	\$94.15	\$107.24	\$119.46	\$128.83	\$139.14	\$144.81



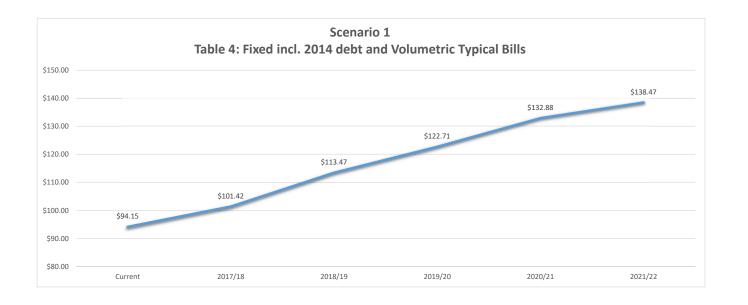
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Scenario 1: Low CIP						
Table 8a : Fixed and Volumetric Hybrid						
Groveland Community Services District						
Sewer Rate Study						
		2017/18	2018/19	2019/20	2020/21	2021/22
Total Revenue Requirement		\$1,586,200	\$1,824,100	\$2,006,500	\$2,207,200	\$2,317,600
Fixed Revenue Requirements	87%	\$1,379,994	\$1,586,967	\$1,745,655	\$1,920,264	\$2,016,312
Total Number of Billing Units	3770	19,465	19,465	19,465	19,465	19,465
Proposed Fixed Charge	_	\$70.90	\$81.53	\$89.68	\$98.65	\$103.58
		******	7	,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7=00.00
Variable Revenue Requirements	13%	\$206,206	\$237,133	\$260,845	\$286,936	\$301,288
Total Consumption		41,406,663	41,406,663	41,406,663	41,406,663	41,406,663
\$/gal	_	\$0.00498	\$0.00573	\$0.00630	\$0.00693	\$0.00728
Typical Bill	Current	2017/18	2018/19	2019/20	2020/21	2021/22
Fixed Charge		\$70.90	\$81.53	\$89.68	\$98.65	\$103.58
1900 gal consumption		\$9.46	\$10.88	\$11.97	\$13.17	\$13.83
Debt Charge		\$25.75	\$25.75	\$25.75	\$25.75	\$25.75
	\$94.15	\$106.11	\$118.16	\$127.40	\$137.57	\$143.16



Scenario 1: Low CIP						
Table 9a: 100% Fixed with Debt Service Included						
Groveland Community Services District						
Sewer Rate Study						
	Current	2017/18	2018/19	2019/20	2020/21	2021/22
Total Revenue Requirement		\$1,586,200	\$1,824,100	\$2,006,500	\$2,207,200	\$2,317,600
Debt Service		\$410,000	\$410,000	\$410,000	\$410,000	\$410,000
	_	\$1,996,200	\$2,234,100	\$2,416,500	\$2,617,200	\$2,727,600
Total Number of Billing Units		19,465	19,465	19,465	19,465	19,465
Fixed Rate (including debt service) per Unit	\$94.15	\$102.55	\$114.77	\$124.14	\$134.45	\$140.13



Scenario 1: Low CIP						KAFI
Table 10a : Fixed and Volumetric Hybr	id with Doht Son	vice Charge Includ	ed			
Groveland Community Services Distric		vice charge includ	eu			
Sewer Rate Study						
sewer nate stady		2017/18	2018/19	2019/20	2020/21	2021/22
Total Revenue Requirement		\$1,586,200	\$1,824,100	\$2,006,500	\$2,207,200	\$2,317,600
Fixed Revenue Requirements	87%	\$1,789,994	\$1,996,967	\$2,155,655	\$2,330,264	\$2,426,312
Total Number of Billing Units	_	19,465	19,465	19,465	19,465	19,465
Proposed Fixed Charge		\$91.96	\$102.59	\$110.74	\$119.71	\$124.65
Variable Revenue Requirements	13%	\$206,206	\$237,133	\$260,845	\$286,936	\$301,288
Total Consumption		41,406,663	41,406,663	41,406,663	41,406,663	41,406,663
\$/gal		\$0.00498	\$0.00573	\$0.00630	\$0.00693	\$0.00728
Tunical Pill	Current	2017/10	2019/10	2010/20	2020/21	2021/22
Typical Bill Fixed Charge	Current	2017/18 \$91.96	2018/19 \$102.59	2019/20 \$110.74	2020/21 \$119.71	2021/22 \$124.65
•			•			
1900 gal	60445	\$9.46	\$10.88	\$11.97	\$13.17	\$13.83
Typical Bill Including Debt Charge	\$94.15	\$101.42	\$113.47	\$122.71	\$132.88	\$138.47





Scenario 2 Pay-Go Funding with Updated CIP



Scenario 2: Pay-Go Funding Updated CIP
Table 6b: Cash Flow Projection for All Scenarios
Groveland Community Services District
Sewer Rate Study

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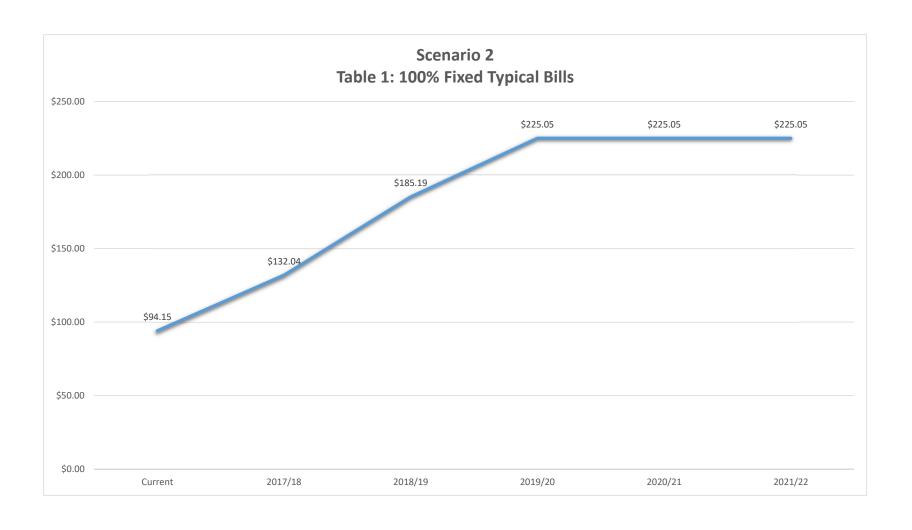
	Est. Actual	Budget			Projected		
	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
Beginning Fund Balance							
Opening Balance [1]	\$545,900	\$857,000	\$617,500	(\$476,317)	(\$680,244)	(\$142,372)	\$260,701
Typical Monthly Bill [2]	\$78.85	\$92.11	\$138.17	\$207.25	\$259.07	\$259.07	\$259.07
Rate Adjustment		0%	50%	50%	25%	0%	0%
Growth		0%	0%	0%	0%	0%	0%
Revenues							
Sewer rate revenues [3]	1,401,500	1,379,300	2,069,000	3,103,500	3,879,400	3,879,400	3,879,400
Debt service charge revenues	410,000	410,000	410,000	410,000	410,000	410,000	410,000
Misc. revenues	31,100	32,000	32,000	32,000	32,000	32,000	32,000
Total Revenues	1,842,600	1,821,300	2,511,000	3,545,500	4,321,400	4,321,400	4,321,400
Grants	<u>0</u>	964,000	618,750	618,750	618,750	618,750	75,000
Expenses							
Administration & Board	556,400	581,700	593,300	605,200	617,300	629,600	642,200
Operations	480,800	509,400	519,600	530,000	540,600	551,400	562,400
Maintenance	492,600	508,300	518,500	528,900	539,500	550,300	561,300
Equipment Leases	<u>38,000</u>	40,100	<u>40,900</u>	<u>41,700</u>	<u>42,500</u>	<u>43,400</u>	44,300
Total Operating Expenses	1,567,800	1,639,500	1,672,300	1,705,800	1,739,900	1,774,700	1,810,200
Debt Service Payment	324,300	324,300	324,300	324,300	324,300	324,300	324,300
Capital Improvement Projects	153,500	1,061,000	2,226,967	2,338,078	2,338,078	2,438,078	274,421
Revenues	1,842,600	2,785,300	3,129,750	4,164,250	4,940,150	4,940,150	4,396,400
Total Expenses	2,045,600	3,024,800	4,223,567	4,368,178	4,402,278	4,537,078	2,408,921
Net Revenues	(203,000)	(239,500)	(1,093,817)	(203,928)	537,872	403,072	1,987,479
Ending Fund Balance	342,900	617,500	(476,317)	(680,244)	(142,372)	260,701	2,248,180
Debt Service Coverage							
Net Operating Revenues	274,800	181,800	838,700	1,839,700	2,581,500	2,546,700	2,511,200
Debt Service Payment	320,685	324,310	322,710	320,885	323,910	321,710	319,285
Net	(45,885)	(142,510)	515,990	1,518,815	2,257,590	2,224,990	2,191,915
Debt Coverage	0.86	0.56	2.60	5.73	7.97	7.92	7.87

^{1 -} FY2016/17 Actual Opening Fund Balance

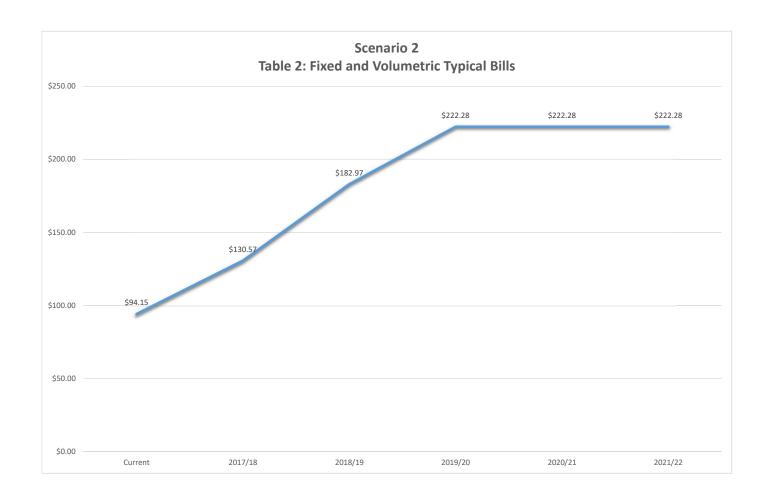
^{2 -} Fixed Charge + Debt Service Charge + 1900 gallons Consumption

^{3 -} Does not include 2014 Wastewater Debt Service Charge revenues

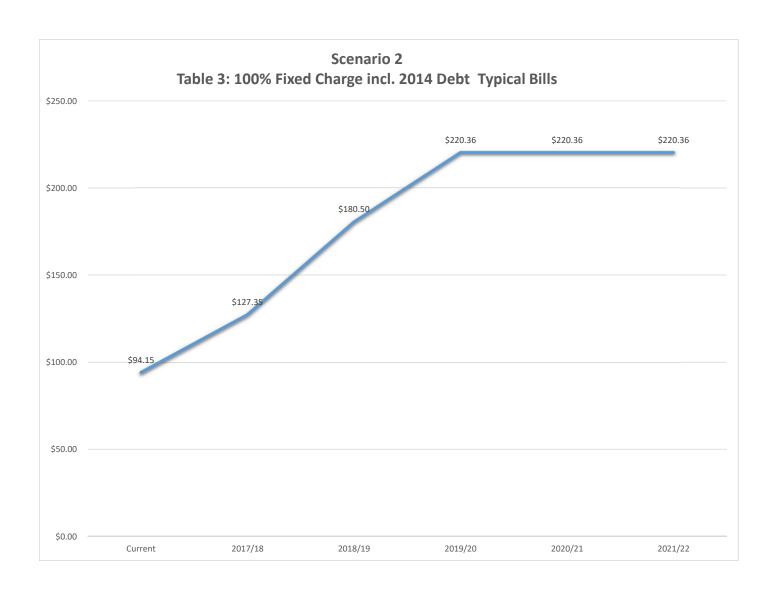
Scenario 2: Pay-Go Funding Updated CIP						
Table 7b : 100% Fixed						
Groveland Community Services District						
Sewer Rate Study						
	Current	2017/18	2018/19	2019/20	2020/21	2021/22
Total Revenue Requirement		\$2,069,000	\$3,103,500	\$3,879,400	\$3,879,400	\$3,879,400
% increase		50%	50%	25%	0%	0%
Total Number of Billing Units		19,465	19,465	19,465	19,465	19,465
Fixed Rate per Unit		\$106.29	\$159.44	\$199.30	\$199.30	\$199.30
Debt Service		\$25.75	\$25.75	\$25.75	\$25.75	\$25.75
	\$94.15	\$132.04	\$185.19	\$225.05	\$225.05	\$225.05



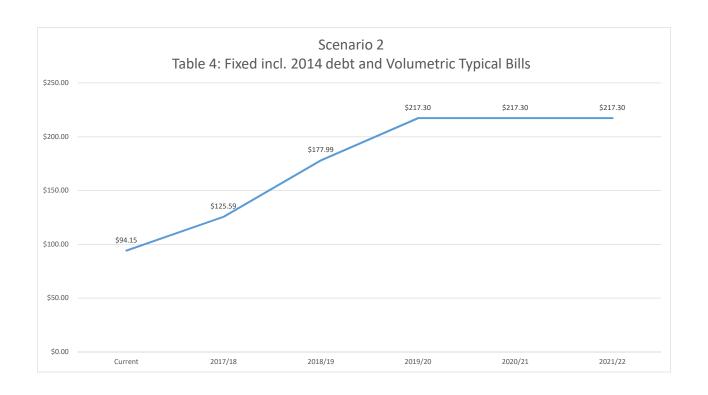
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Scenario 2: Pay-Go Funding Upda	ted CIP					
Table 8b: Fixed and Volumetric H	lybrid					
Groveland Community Services D	istrict					
Sewer Rate Study						
		2017/18	2018/19	2019/20	2020/21	2021/22
Total Revenue Requirement		\$2,069,000	\$3,103,500	\$3,879,400	\$3,879,400	\$3,879,400
Fixed Revenue I	87%	\$1,800,030	¢2.700.045	¢2 27E 070	¢2 27E 070	¢2 27E 079
	87%		\$2,700,045	\$3,375,078	\$3,375,078	\$3,375,078
Total Number of Billing Units		19,465	19,465	19,465	19,465	19,465
Proposed Fixed Charge		\$92.47	\$138.71	\$173.39	\$173.39	\$173.39
Variable Revenu	13%	\$268,970	\$403,455	\$504,322	\$504,322	\$504,322
Total Consumption		41,406,663	41,406,663	41,406,663	41,406,663	41,406,663
\$/gal		\$0.00650	\$0.00974	\$0.01218	\$0.01218	\$0.01218
Typical Bill	Current	2017/18	2018/19	2019/20	2020/21	2021/22
Fixed Charge		\$92.47	\$138.71	\$173.39	\$173.39	\$173.39
1900 gal consumption		\$12.34	\$18.51	\$23.14	\$23.14	\$23.14
Debt Charge		\$25.75	\$25.75	\$25.75	\$25.75	\$25.75
	\$94.15	\$130.57	\$182.97	\$222.28	\$222.28	\$222.28
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Scenario 2: Pay-Go Funding Updated CIP						
Table 9b : 100% Fixed with Debt Service Included						
Groveland Community Services District						
Sewer Rate Study						
	Current	2017/18	2018/19	2019/20	2020/21	2021/22
Total Revenue Requirement		\$2,069,000	\$3,103,500	\$3,879,400	\$3,879,400	\$3,879,400
Debt Service		\$410,000	\$410,000	\$410,000	\$410,000	\$410,000
		\$2,479,000	\$3,513,500	\$4,289,400	\$4,289,400	\$4,289,400
Total Number of Billing Units		19,465	19,465	19,465	19,465	19,465
Fixed Rate (including debt service) per Unit	\$94.15	\$127.35	\$180.50	\$220.36	\$220.36	\$220.36



Groveland Community Services D	istrict	_				
Sewer Rate Study						
·		2017/18	2018/19	2019/20	2020/21	2021/2
Total Revenue Requirement		\$2,069,000	\$3,103,500	\$3,879,400	\$3,879,400	\$3,879,400
Fixed Revenue Regu	87%	\$2,156,730	\$3,056,745	\$3,731,778	\$3,731,778	\$3,731,778
Total Number of Billing Units		19,465	19,465	19,465	19,465	19,465
Proposed Fixed Charge	_	\$110.80	\$157.04	\$191.71	\$191.71	\$191.71
Variable Revenue R	13%	\$322,270	\$456,755	\$557,622	\$557,622	\$557,622
Total Consumption		41,406,663	41,406,663	41,406,663	41,406,663	41,406,663
\$/gal		\$0.00778	\$0.01103	\$0.01347	\$0.01347	\$0.01347
Typical Bill	Current	2017/18	2018/19	2019/20	2020/21	2021/2
Fixed Charge	ou. re.re	\$110.80	\$157.04	\$191.71	\$191.71	\$191.71
1900 gal		\$14.79	\$20.96	\$25.59	\$25.59	\$25.59
Typical Bill Including	\$94.15	\$125.59	\$177.99	\$217.30	\$217.30	\$217.30





Scenario 3 Updated CIP Financed through Debt Issuance



Scenario 3: Debt Funding Updated CIF Table 5c: Preliminary Debt Estimates

GCSD

Sewer Rate Study

Description	Current	2017/18	2018/19	2019/20	2020/21	2021/22
2014 Bond	324,300	324,300	324,300	324,300	324,300	324,300
Proposed Lo	ans [1]					
2018 Debt	0	122,141	122,141	122,141	122,141	122,141
2019 Debt	0	0	122,141	122,141	122,141	122,141
2020 Debt	0	0	0	122,141	122,141	122,141
2021 Debt	0	0	0	0	122,141	122,141
Total	324,300	446.441	568,583	690.724	812.865	812.865

[1] Debt issuances of \$2 Million 30 yr Bond at 4.5% for 2018-2021

Scenario 3: Debt Funding Updated CIP

Table 6c : Cash Flow Projection for All Scenarios

Groveland Community Services District

Sewer Rate Study

	Est. Actual	Budget			Projected		
	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
Beginning Fund Balance							
Opening Balance [1]	\$545,900	\$857,000	\$617,500	\$849,742	\$966,932	\$1,011,281	\$886,288
Typical Monthly Bill [2]	\$78.85	\$92.11	\$101.32	\$111.46	\$117.03	\$122.88	\$129.02
Rate Adjustment		0%	10%	10%	5%	5%	5%
Growth		0%	0%	0%	0%	0%	0%
Revenues							
Sewer rate revenues [3]	1,401,500	1,379,300	1,517,200	1,668,900	1,752,300	1,839,900	1,931,900
Debt service charge revenues	410,000	410,000	410,000	410,000	410,000	410,000	410,000
Misc. revenues	31,100	32,000	32,000	32,000	32,000	32,000	32,000
Grants	0	964,000	618,750	618,750	618,750	618,750	0
Loan Proceeds	0	0	2,000,000	2,000,000	2,000,000	2,000,000	0
Total Revenues	1,842,600	2,785,300	4,577,950	4,729,650	4,813,050	4,900,650	2,373,900
Expenses							
Administration & Board	556,400	581,700	593,300	605,200	617,300	629,600	642,200
Operations	480,800	509,400	519,600	530,000	540,600	551,400	562,400
Maintenance	492,600	508,300	518,500	528,900	539,500	550,300	561,300
Equipment Leases	38,000	40,100	40,900	41,700	42,500	43,400	44,300
Total Operating Expenses	1,567,800	1,639,500	1,672,300	1,705,800	1,739,900	1,774,700	1,810,200
Debt Service Payment	324,300	324,300	446,441	568,583	690,724	812,865	812,865
Capital Improvement Projects	153,500	1,061,000	2,226,967	2,338,078	2,338,078	2,438,078	274,421
Total Revenues	1,842,600	2,785,300	4,577,950	4,729,650	4,813,050	4,900,650	2,373,900
Total Expenses	2,045,600	3,024,800	4,345,708	4,612,460	4,768,701	5,025,643	2,897,486
Net Revenues	(203,000)	(239,500)	232,242	117,190	44,349	(124,993)	(523,586)
Ending Fund Balance	342,900	617,500	849,742	966,932	1,011,281	886,288	362,701
Debt Service Coverage							_
Net Operating Revenues	274,800	181,800	286,900	405,100	454,400	507,200	563,700
Debt Service Payment	320,685	324,310	322,710	320,885	323,910	321,710	319,285
Net	(45,885)	(142,510)	(35,810)	84,215	130,490	185,490	244,415
NCC	(43,003)	(142,310)	(33,610)	04,213	130,430	105,450	244,413
Debt Coverage	0.86	0.56	0.89	1.26	1.40	1.58	1.77
1 - FV2016/17 Actual Opening Fund	Ralance						

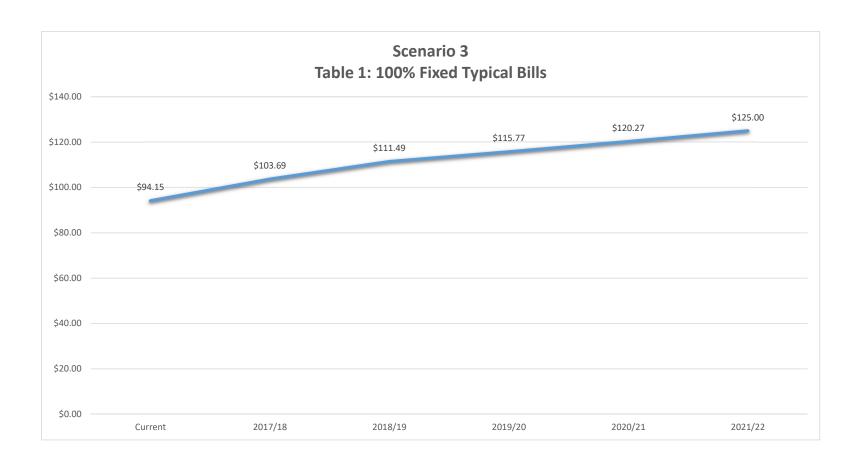
^{1 -} FY2016/17 Actual Opening Fund Balance

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^{2 -} Fixed Charge + Debt Service Charge + 1900 gallons Consumption

^{3 -} Does not include 2014 Wastewater Debt Service Charge revenues

Scenario 3: Debt Funding Updated CIP						
Table 7c : 100% Fixed						
Groveland Community Services District						
Sewer Rate Study						
	Current	2017/18	2018/19	2019/20	2020/21	2021/22
Total Revenue Requirement		\$1,517,200	\$1,668,900	\$1,752,300	\$1,839,900	\$1,931,900
Total Number of Billing Units		19,465	19,465	19,465	19,465	19,465
Fixed Rate per Unit		\$77.94	\$85.74	\$90.02	\$94.52	\$99.25
Debt Service		\$25.75	\$25.75	\$25.75	\$25.75	\$25.75
	\$94.15	\$103.69	\$111.49	\$115.77	\$120.27	\$125.00



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Scenario 3: Debt Funding Updat						
Table 8c : Fixed and Volumetric	Hybrid					
Groveland Community Services	District					
Sewer Rate Study						
		2017/18	2018/19	2019/20	2020/21	2021/22
Total Revenue Requirement		\$1,517,200	\$1,668,900	\$1,752,300	\$1,839,900	\$1,931,900
Fixed Revenu	87%	\$1,319,964	\$1,451,943	\$1,524,501	\$1,600,713	\$1,680,753
Total Number of Billing Units	_	19,465	19,465	19,465	19,465	19,465
Proposed Fixed Charge		\$67.81	\$74.59	\$78.32	\$82.23	\$86.35
Variable Reve	13%	\$197,236	\$216,957	\$227,799	\$239,187	\$251,147
Total Consumption		41,406,663	41,406,663	41,406,663	41,406,663	41,406,663
\$/gal		\$0.00476	\$0.00524	\$0.00550	\$0.00578	\$0.00607
Typical Bill	Current	2017/18	2018/19	2019/20	2020/21	2021/22
Fixed Charge		\$67.81	\$74.59	\$78.32	\$82.23	\$86.35
1900 gal consumption		\$9.05	\$9.96	\$10.45	\$10.98	\$11.52
Debt Charge		\$25.75	\$25.75	\$25.75	\$25.75	\$25.75

\$110.30

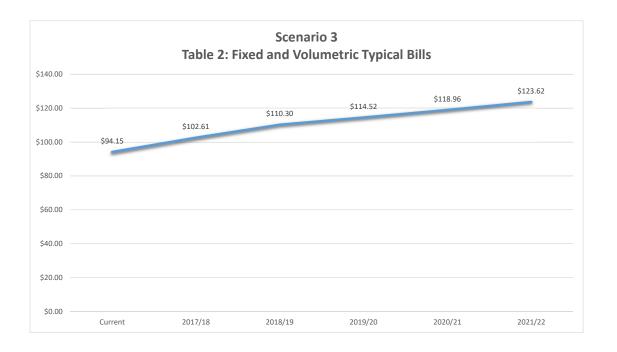
\$114.52

\$118.96

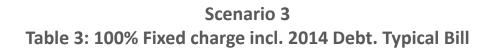
\$123.62

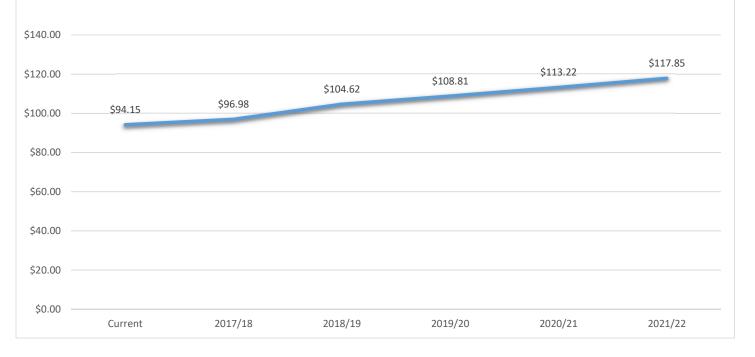
\$94.15

\$102.61



Current	2017/18	2018/19	2019/20	2020/21	2021/22
	\$1,517,200	\$1,668,900	\$1,752,300	\$1,839,900	\$1,931,900
	\$410,000	\$410,000	\$410,000	\$410,000	\$410,000
	\$1,927,200	\$2,078,900	\$2,162,300	\$2,249,900	\$2,341,900
	19,872	19,872	19,872	19,872	19,872
\$94.15	\$96.98	\$104.62	\$108.81	\$113.22	\$117.85
·	•	•		•	•
		\$1,517,200 \$410,000 \$1,927,200 19,872	\$1,517,200 \$1,668,900 \$410,000 \$410,000 \$1,927,200 \$2,078,900 19,872 19,872	\$1,517,200 \$1,668,900 \$1,752,300 \$410,000 \$410,000 \$410,000 \$1,927,200 \$2,078,900 \$2,162,300 19,872 19,872 19,872	\$1,517,200 \$1,668,900 \$1,752,300 \$1,839,900 \$410,000 \$410,000 \$410,000 \$410,000 \$1,927,200 \$2,078,900 \$2,162,300 \$2,249,900 19,872 19,872 19,872 19,872





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Scenario 3: Debt Fund	ing Updated CIP					
Table 10c : Fixed and \	Volumetric Hybrid	d with Debt Service	e Charge Included	Į		
Groveland Community	y Services District					
Sewer Rate Study						
		2017/18	2018/19	2019/20	2020/21	2021/22
Total Revenue Require	ement	\$1,517,200	\$1,668,900	\$1,752,300	\$1,839,900	\$1,931,900
Fixed Reve	87%	\$1,729,964	\$1,861,943	\$1,934,501	\$2,010,713	\$2,090,753
Total Number of Billing Units		19,465	19,465	19,465	19,465	19,465
Proposed Fixed Charge	9	\$88.87	\$95.65	\$99.38	\$103.30	\$107.41
Variable Re	13%	\$197,236	\$216,957	\$227,799	\$239,187	\$251,147
		41,406,663	41,406,663	41,406,663	41,406,663	41,406,663
\$/gal		\$0.00476	\$0.00524	\$0.00550	\$0.00578	\$0.00607
Typical Bill	Current	2017/18	2018/19	2019/20	2020/21	2021/22
Fixed Charge		\$88.87	\$95.65	\$99.38	\$103.30	\$107.41
1900 gal		\$9.05	\$9.96	\$10.45	\$10.98	\$11.52
Typical Bill	\$94.15	\$97.92	\$105.61	\$109.83	\$114.27	\$118.93

