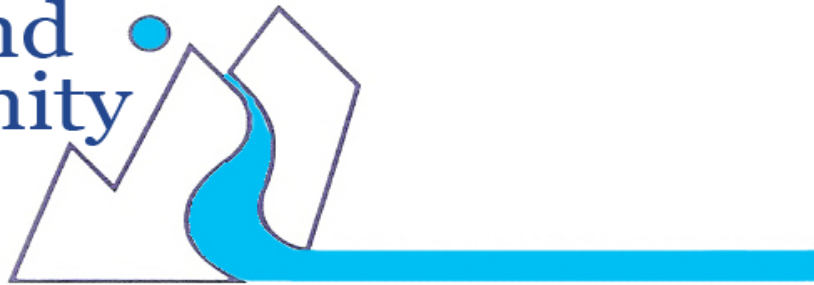


Groveland
Community
Services
District



Draft Wastewater Rate Study

9/26/2017



Bartle Wells Associates
1889 Alcatraz Avenue
Berkeley, CA 94703

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

Budget Category	Actuals		Fixed Cost	Variable Cost
	2016/17	2017/18		
Administration & Board	510,336	576,673	100%	0%
Operations				
Employee Salaries and Benefits	209,500	258,500	100%	0%
Overhead [1]	46,451	31,947	100%	0%
Chemicals	20,647	25,462	0%	100%
Laboratory	19,957	27,370	50%	50%
Repairs and Maintenance	28,663	35,000	25%	75%
Biosolids	9,084	12,200	0%	100%
SCADA	276	8,013	0%	100%
Irrigation Fields	0	0	0%	100%
9/26/2017 Groundwater Monitoring	660	5,305	100%	0%
Utilities	<u>80,715</u>	<u>92,828</u>	0%	100%
Total Operations	415,953	496,625		
Maintenance				
Employee Salaries and Benefits	252,408	232,385	100%	0%
Fuel	10,019	22,438	0%	100%
Chemical/Odor Control	8,170	10,609	0%	100%
Maintenance and Repair	21,617	26,523	25%	75%
Emergency Repair Sewer Lines	157	5,305	100%	0%
Conservation Crew Expenses	2,492	3,000	100%	0%
Annual Collect System TV Insp	48,000	55,000	100%	0%
Utilities	25,495	21,086	0%	100%
Overhead [1]	<u>24,157</u>	<u>50,546</u>	100%	0%
Total Maintenance	392,514	426,892		
Equipment Leases	6,986	41,100	100%	0%
Debt	324,310	324,310	90%	10%
Capital Improvement Funding	0	0	90%	10%
Total	1,650,100	1,865,600	1,580,706	284,894
Allocation			85%	15%
Total			\$1,580,706	\$284,894
Allocation				

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

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

Code	Customer Information	Number of Accounts	Total Number of Bills	Ratio [1]	Equivalent Number of 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

Rate Category	FY2017 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 3 : "Updated CIP"

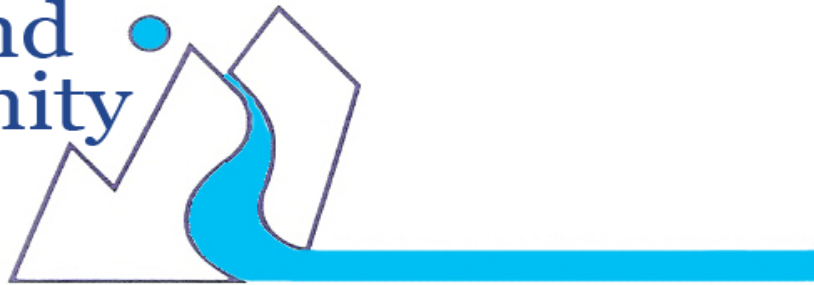
**Groveland Community Services District
Sewer Rate Study**

Description	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	5 Year Total
Force Main Inspection	-	22,969	22,969	22,969	22,969	-	\$91,876
A. LS 7 to Treatment Plant	-	85,962.50	85,963	85,963	85,963	-	343,850
B. LS 13	-	137,750	137,750	137,750	137,750	-	551,000
C. LS 2	-	20,500	20,500	20,500	20,500	-	82,000
D. LS 1	-	6,165	6,165	6,165	6,165	-	24,660
E. LS 14	-	36,990	36,990	36,990	36,990	-	147,960
F. LS 15	-	10,275	10,275	10,275	10,275	-	41,100
G. LS 8	-	30,825	30,825	30,825	30,825	-	123,300
H. LS10	-	104,805	104,805	104,805	104,805	-	419,220
I. LS 11	-	123,300	123,300	123,300	123,300	-	493,200
J. LS 3	-	18,495	18,495	18,495	18,495	-	73,980
K. LS 4	-	4,110	4,110	4,110	4,110	-	16,440
L. LS 9	-	26,715	26,715	26,715	26,715	-	106,860
M. LS 12	-	18,495	18,495	18,495	18,495	-	73,980
N. LS 5	-	69,870	69,870	69,870	69,870	-	279,480
O. LS 6	-	49,320	49,320	49,320	49,320	-	197,280
P. LS 16 [1]	-	-	-	-	-	-	-
Flume 1400' [1]	-	-	-	-	-	-	-
WWTP Headworks	-	-	250,000	-	-	-	250,000
WWTP Repair	-	-	-	225,000	225,000	180,000	630,000
Gravity Sewer Line Rehab	-	-	-	-	344,531	344,531	689,062
Satelite lift station rehab	-	-	-	-	-	100,000	100,000
Admin Building	-	-	25,000	25,000	25,000	25,000	100,000
HUB Lift Station 6	-	-	-	-	-	-	-
TOTAL	-	\$766,547	\$1,041,547	\$1,016,547	\$1,361,078	\$649,531	\$4,835,248
[1]Grant Funding							

Table 3 : "Updated CIP"
Groveland Community Services District
Sewer Rate Study

Description	2023/24	2024/25	2025/26	2026/27	2027/28
Force Main Inspection	-	-	-	-	-
A. LS 7 to Treatment Plant	-	-	-	-	-
B. LS 13	-	-	-	-	-
C. LS 2	-	-	-	-	-
D. LS 1	-	-	-	-	-
E. LS 14	-	-	-	-	-
F. LS 15	-	-	-	-	-
G. LS 8	-	-	-	-	-
H. LS10	-	-	-	-	-
I. LS 11	-	-	-	-	-
J. LS 3	-	-	-	-	-
K. LS 4	-	-	-	-	-
L. LS 9	-	-	-	-	-
M. LS 12	-	-	-	-	-
N. LS 5	-	-	-	-	-
O. LS 6	-	-	-	-	-
P. LS 16 [1]	-	-	-	-	-
Flume 1400' [1]	-	-	-	-	-
WWTP Headworks	-	-	-	-	-
WWTP Repair	275,000	-	-	-	-
Gravity Sewer Line Rehab	344,531	344,531	344,531	344,531	344,531
Satelite lift station rehab	100,000	100,000	100,000	100,000	100,000
Admin Building	25,000	25,000	25,000	25,000	25,000
HUB Lift Station 6	-	-	-	250,000	250,000
TOTAL	\$744,531	\$469,531	\$469,531	\$719,531	\$719,531
[1]Grant Funding					

Groveland
Community
Services
District



Scenario 1
Updated CIP Financed through Debt Issuance

9/26/2017



Bartle Wells Associates
1889 Alcatraz Avenue
Berkeley, CA 94703

Scenario 1: Debt Funding Updated CIP**Table 4a: Preliminary Debt Estimates****GCS D****Sewer Rate Study**

Description	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23
2014 Bond	324,300	324,300	324,300	324,300	324,300	324,300	324,300
Proposed Loans							
2018 Debt [1]	0	0	0	181,179	181,179	181,179	181,179
Total	324,300	324,300	324,300	505,479	505,479	505,479	505,479

[1] \$2.8 Million 30 yr Bond at 5%

Proposed Loans

2,800,000 Principal
5.00% Interest
30 years
2 semi-annual
181,179

Scenario 1: Debt Funding Updated CIP**Table 4a: Preliminary Debt Estimates**

GCS D

Sewer Rate Study

Description	2023/24	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32
2014 Bond	324,300	324,300	324,300	324,300	-	-	-	-	-
Proposed Loans									
2018 Debt [1]	181,179	181,179	181,179	181,179	181,179	181,179	181,179	181,179	181,179
Total	505,479	505,479	505,479	505,479	181,179	181,179	181,179	181,179	181,179

[1] \$2.8 Million 30 yr Bond at 5%

Proposed Loans

2,800,000 Principal
5.00% Interest
30 years
2 semi-annual
181,179

Scenario 1: Debt Funding Updated CIP
Table 5a : Cash Flow Scenario 1
Groveland Community Services District
Sewer Rate Study

DRAFT

	Estimated	Projected				
	Actuals 2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
Beginning Fund Balance						
Opening Balance [1]	\$857,000	\$368,541	\$851,725	\$3,055,570	\$2,128,744	\$1,477,819
Typical Monthly Bill [2]	\$92.11	\$92.11	\$106.85	\$123.95	\$142.54	\$163.92
Rate Adjustment	0%	0%	16%	16%	15%	15%
Growth	0%	0%	0%	0%	0%	0%
Debt service charge	25.75	25.75	25.75	25.75	25.75	25.75
Revenues						
Sewer rate revenues [3]	1,402,700	1,404,700	1,629,500	1,890,200	2,173,700	2,499,800
Debt service charge revenues	410,000	410,000	410,000	324,300	324,300	324,300
Misc. revenues	49,100	35,400	32,000	32,000	32,000	32,000
Grants	159,000	520,684	17,691	0	0	0
Loan Proceeds	0	0	2,800,000	0	0	0
Total Revenues	2,020,800	2,370,784	4,889,191	2,246,500	2,530,000	2,856,100
Expenses						
Administration & Board	510,300	598,700	610,700	622,900	635,400	648,100
Operations	416,000	496,600	506,500	516,600	526,900	537,400
Maintenance	392,500	426,900	435,400	444,100	453,000	462,100
Equipment Leases	7,000	41,100	41,900	42,700	43,600	44,500
Total Operating Expenses	1,325,800	1,563,300	1,594,500	1,626,300	1,658,900	1,692,100
Debt Service Payment	324,300	324,300	324,300	505,479	505,479	505,479
Capital Improvement Projects	0	0	766,547	1,041,547	1,016,547	1,361,078
Operating Revenue	1,861,800	1,850,100	2,071,500	2,246,500	2,530,000	2,856,100
Grants and Loan Proceeds	159,000	520,684	2,817,691	0	0	0
Total Expenses	1,650,100	1,887,600	2,685,347	3,173,326	3,180,926	3,558,657
Net Revenues	370,700	483,184	2,203,845	(926,826)	(650,926)	(702,557)
Ending Fund Balance	1,227,700	851,725	3,055,570	2,128,744	1,477,819	775,262
Debt Service Coverage						
Net Operating Revenues	536,000	286,800	477,000	620,200	871,100	1,164,000
Debt Service Payment	324,300	324,300	324,300	505,479	505,479	505,479
Debt Coverage	1.65	0.88	1.47	1.23	1.72	2.30
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 1: Debt Funding Updated CIP Table 5a : Cash Flow Scenario 1 Groveland Community Services District Sewer Rate Study	UPDATE				
	2022/23	2023/24	2024/25	2025/26	2026/27
Beginning Fund Balance					
Opening Balance [1]	\$775,262	\$750,452	\$596,142	\$681,632	\$731,222
Typical Monthly Bill [2]	\$163.92	\$163.92	\$163.92	\$163.92	\$163.92
Rate Adjustment	0%	0%	0%	0%	0%
Growth	0%	0%	0%	0%	0%
Debt service charge	25.75	25.75	25.75	25.75	25.75
Revenues					
Sewer rate revenues [3]	2,499,800	2,499,800	2,499,800	2,499,800	2,499,800
Debt service charge revenues	324,300	324,300	324,300	324,300	324,300
Misc. revenues	32,000	32,000	32,000	32,000	32,000
Grants	0	0	0	0	0
Loan Proceeds	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Revenues	2,856,100	2,856,100	2,856,100	2,856,100	2,856,100
Expenses					
Administration & Board	661,100	674,300	687,800	701,600	715,600
Operations	548,100	559,100	570,300	581,700	593,300
Maintenance	471,300	480,700	490,300	500,100	510,100
Equipment Leases	<u>45,400</u>	<u>46,300</u>	<u>47,200</u>	<u>48,100</u>	<u>49,100</u>
Total Operating Expenses	1,725,900	1,760,400	1,795,600	1,831,500	1,868,100
Debt Service Payment	505,479	505,479	505,479	505,479	505,479
Capital Improvement Projects	649,531	744,531	469,531	469,531	719,531
Operating Revenue	2,856,100	2,856,100	2,856,100	2,856,100	2,856,100
Grants and Loan Proceeds	0	0	0	0	0
Total Expenses	<u>2,880,910</u>	<u>3,010,410</u>	<u>2,770,610</u>	<u>2,806,510</u>	<u>3,093,110</u>
Net Revenues	(24,810)	(154,310)	85,490	49,590	(237,010)
Ending Fund Balance	750,452	596,142	681,632	731,222	494,212
Debt Service Coverage					
Net Operating Revenues	1,130,200	1,095,700	1,060,500	1,024,600	988,000
Debt Service Payment	<u>505,479</u>	<u>505,479</u>	<u>505,479</u>	<u>505,479</u>	<u>505,479</u>
Debt Coverage	2.24	2.17	2.10	2.03	1.95
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					

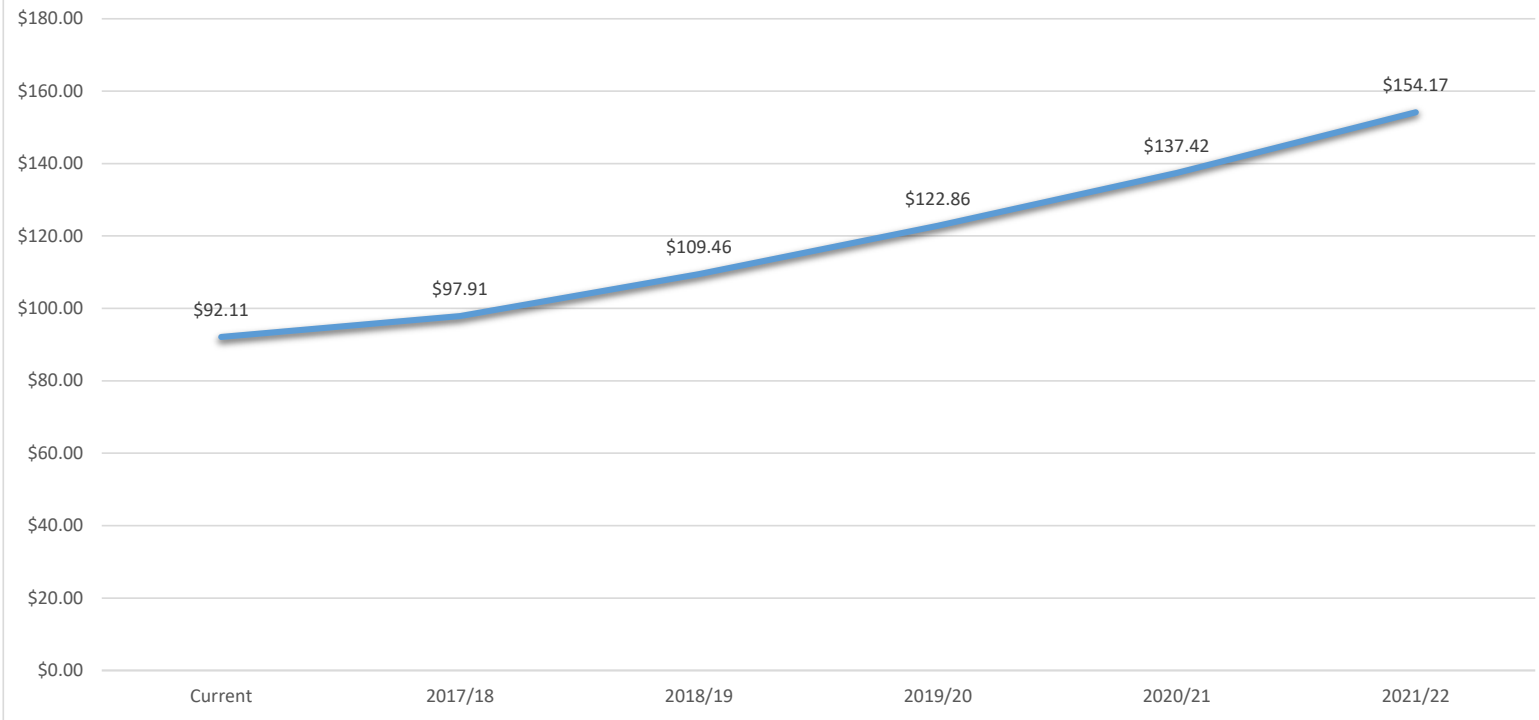
Scenario 1: Debt Funding Updated CIP					
Table 5a : Cash Flow Scenario 1					
Groveland Community Services District					
Sewer Rate Study					
	2027/28	2028/29	2029/30	2030/31	2031/32
Beginning Fund Balance					
Opening Balance [1]	\$494,212	\$219,802	(\$92,708)	(\$419,018)	(\$784,928)
Typical Monthly Bill [2]	\$163.92	\$163.92	\$163.92	\$163.92	\$163.92
Rate Adjustment	0%	0%	0%	0%	0%
Growth	0%	0%	0%	0%	0%
Debt service charge	-	-	-	-	-
Revenues					
Sewer rate revenues [3]	2,499,800	2,499,800	2,499,800	2,499,800	2,499,800
Debt service charge revenues	0	0	0	0	0
Misc. revenues	32,000	32,000	32,000	32,000	32,000
Grants	0	0	0	0	0
Loan Proceeds	0	0	0	0	0
Total Revenues	2,531,800	2,531,800	2,531,800	2,531,800	2,531,800
Expenses					
Administration & Board	729,900	744,500	759,400	774,600	790,100
Operations	605,200	617,300	629,600	642,200	655,000
Maintenance	520,300	530,700	541,300	552,100	563,100
Equipment Leases	<u>50,100</u>	<u>51,100</u>	<u>52,100</u>	<u>53,100</u>	<u>54,200</u>
Total Operating Expenses	1,905,500	1,943,600	1,982,400	2,022,000	2,062,400
Debt Service Payment	181,179	181,179	181,179	181,179	181,179
Capital Improvement Projects	719,531	719,531	694,531	694,531	694,531
Operating Revenue	2,531,800	2,531,800	2,531,800	2,531,800	2,531,800
Grants and Loan Proceeds	0	0	0	0	0
Total Expenses	<u>2,806,210</u>	<u>2,844,310</u>	<u>2,858,110</u>	<u>2,897,710</u>	<u>2,938,110</u>
Net Revenues	(274,410)	(312,510)	(326,310)	(365,910)	(406,310)
Ending Fund Balance	219,802	(92,708)	(419,018)	(784,928)	(1,191,238)
Debt Service Coverage					
Net Operating Revenues	626,300	588,200	549,400	509,800	469,400
Debt Service Payment	<u>181,179</u>	<u>181,179</u>	<u>181,179</u>	<u>181,179</u>	<u>181,179</u>
Debt Coverage	3.46	3.25	3.03	2.81	2.59
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 1: Debt Funding Updated CIP**Table 6a : 100% Fixed****Groveland Community Services District****Sewer Rate Study**

	Current	2017/18	2018/19	2019/20	2020/21	2021/22
Total Revenue Requirement		\$1,404,700	\$1,629,500	\$1,890,200	\$2,173,700	\$2,499,800
Total Number of Billing Units		19,465	19,465	19,465	19,465	19,465
Fixed Rate per Unit		\$72.16	\$83.71	\$97.11	\$111.67	\$128.42
Debt Service		\$25.75	\$25.75	\$25.75	\$25.75	\$25.75
	\$92.11	\$97.91	\$109.46	\$122.86	\$137.42	\$154.17

9/26/2017

Scenario 1
Table 6a: 100% Fixed Typical Bills

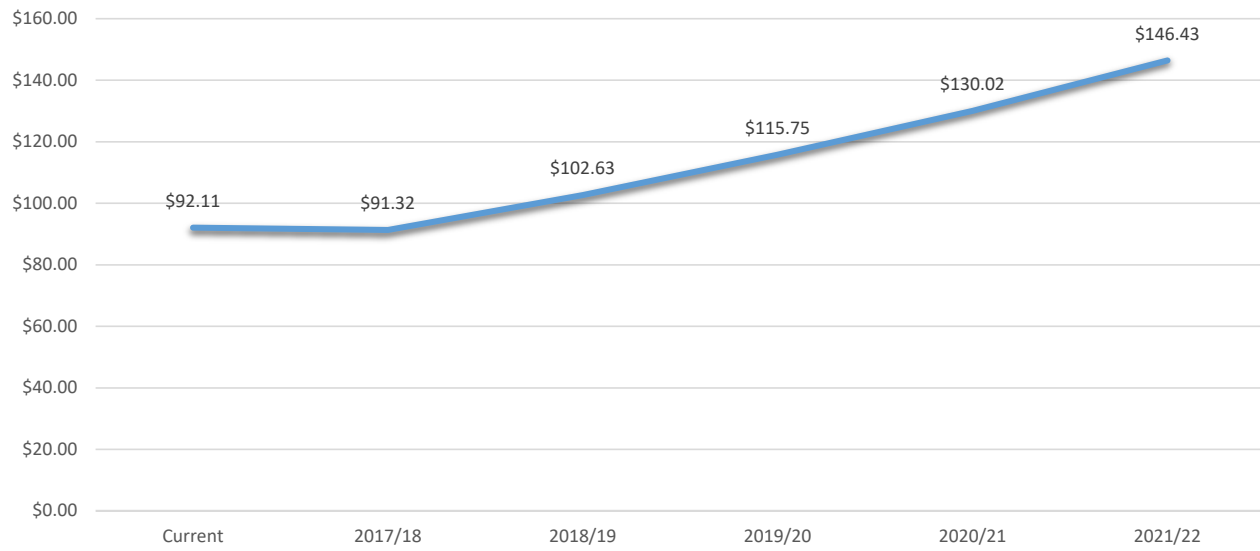


Scenario 1: Debt Funding Updated CIP
Table 7a : 100% Fixed with Debt Service Included
Groveland Community Services District
Sewer Rate Study

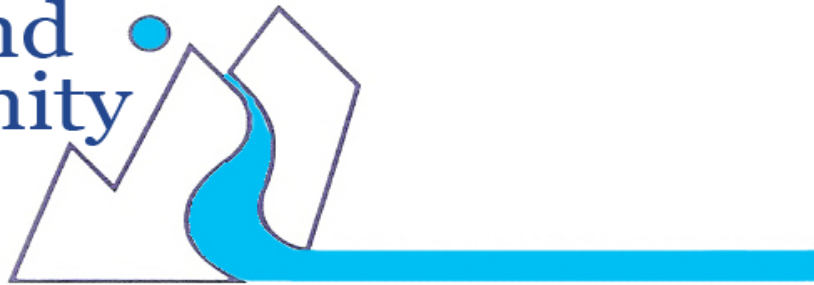
	Current	2017/18	2018/19	2019/20	2020/21	2021/22
Total Revenue Requirement		\$1,404,700	\$1,629,500	\$1,890,200	\$2,173,700	\$2,499,800
2014 Debt Service		\$410,000	\$410,000	\$410,000	\$410,000	\$410,000
		\$1,814,700	\$2,039,500	\$2,300,200	\$2,583,700	\$2,909,800
Total Number of Billing Units		19,872	19,872	19,872	19,872	19,872
Fixed Rate per Unit	\$92.11	\$91.32	\$102.63	\$115.75	\$130.02	\$146.43

9/26/2017

Scenario 1
Table 7a: 100% Fixed charge incl. 2014 Debt. Typical Bill



Groveland
Community
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Scenario 2
Pay-Go Funding with Updated CIP

9/26/2017



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Berkeley, CA 94703

Scenario 2: Pay-Go Funding Updated CIP		DRAFT				
Table 5 b: Cash Flow Projection for All Scenarios						
Groveland Community Services District						
Sewer Rate Study						
	Actual	Projected				
	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
Beginning Fund Balance						
Opening Balance [1]	\$857,000	\$368,541	\$862,166	\$603,950	\$217,942	\$40,635
Typical Monthly Bill [2]	\$92.11	\$92.11	\$128.96	\$141.85	\$156.04	\$171.64
Rate Adjustment	0%	0%	40%	10%	10%	10%
Growth	0%	0%	0%	0%	0%	0%
Revenues						
Sewer rate revenues [3]	1,402,700	1,404,700	1,966,600	2,163,300	2,379,600	2,617,600
Debt service charge revenues	410,000	410,000	410,000	410,000	410,000	410,000
Misc. revenues	49,100	35,400	32,000	32,000	32,000	32,000
Total Revenues	1,861,800	1,850,100	2,408,600	2,605,300	2,821,600	3,059,600
Grants	159,000	530,286	17,691	0	0	0
Expenses						
Administration & Board	510,300	598,700	610,700	622,900	635,400	648,100
Operations	416,000	496,600	506,500	516,600	526,900	537,400
Maintenance	392,500	426,900	435,400	444,100	453,000	462,100
Equipment Leases	7,000	41,100	41,900	42,700	43,600	44,500
Total Operating Expenses	1,325,800	1,563,300	1,594,500	1,626,300	1,658,900	1,692,100
Debt Service Payment	323,461	323,461	323,461	323,461	323,461	323,461
Capital Improvement Projects	0	0	766,547	1,041,547	1,016,547	1,361,078
Revenues	2,020,800	2,380,386	2,426,291	2,605,300	2,821,600	3,059,600
Total Expenses	1,649,261	1,886,761	2,684,508	2,991,308	2,998,908	3,376,639
Net Revenues	371,539	493,625	(258,216)	(386,008)	(177,308)	(317,039)
Ending Fund Balance	1,228,539	862,166	603,950	217,942	40,635	(276,404)
Debt Service Coverage						
Net Operating Revenues	536,000	286,800	814,100	979,000	1,162,700	1,367,500
Debt Service Payment	323,461	323,461	323,461	323,461	323,461	323,461
Debt Coverage	1.66	0.89	2.52	3.03	3.59	4.23
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 5 b: Cash Flow Projection for All Scenarios					
Groveland Community Services District					
Sewer Rate Study					
	2022/23	2023/24	2024/25	2025/26	2026/27
Beginning Fund Balance					
Opening Balance [1]	(\$276,404)	(\$1,396)	\$144,112	\$529,420	\$878,828
Typical Monthly Bill [2]	\$171.64	\$171.64	\$171.64	\$171.64	\$171.64
Rate Adjustment	0%	0%	0%	0%	0%
Growth	0%	0%	0%	0%	0%
Revenues					
Sewer rate revenues [3]	2,617,600	2,617,600	2,617,600	2,617,600	2,617,600
Debt service charge revenues	324,300	324,300	324,300	324,300	324,300
Misc. revenues	<u>32,000</u>	<u>32,000</u>	<u>32,000</u>	<u>32,000</u>	<u>32,000</u>
Total Revenues	2,973,900	2,973,900	2,973,900	2,973,900	2,973,900
Grants					
Expenses					
Administration & Board	661,100	674,300	687,800	701,600	715,600
Operations	548,100	559,100	570,300	581,700	593,300
Maintenance	471,300	480,700	490,300	500,100	510,100
Equipment Leases	<u>45,400</u>	<u>46,300</u>	<u>47,200</u>	<u>48,100</u>	<u>49,100</u>
Total Operating Expenses	1,725,900	1,760,400	1,795,600	1,831,500	1,868,100
Debt Service Payment	323,461	323,461	323,461	323,461	323,461
Capital Improvement Projects	649,531	744,531	469,531	469,531	719,531
Revenues	2,973,900	2,973,900	2,973,900	2,973,900	2,973,900
Total Expenses	<u>2,698,892</u>	<u>2,828,392</u>	<u>2,588,592</u>	<u>2,624,492</u>	<u>2,911,092</u>
Net Revenues	275,008	145,508	385,308	349,408	62,808
Ending Fund Balance	(1,396)	144,112	529,420	878,828	941,636
Debt Service Coverage					
Net Operating Revenues	1,248,000	1,213,500	1,178,300	1,142,400	1,105,800
Debt Service Payment	<u>323,461</u>	<u>323,461</u>	<u>323,461</u>	<u>323,461</u>	<u>323,461</u>
Debt Coverage	3.86	3.75	3.64	3.53	3.42
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					

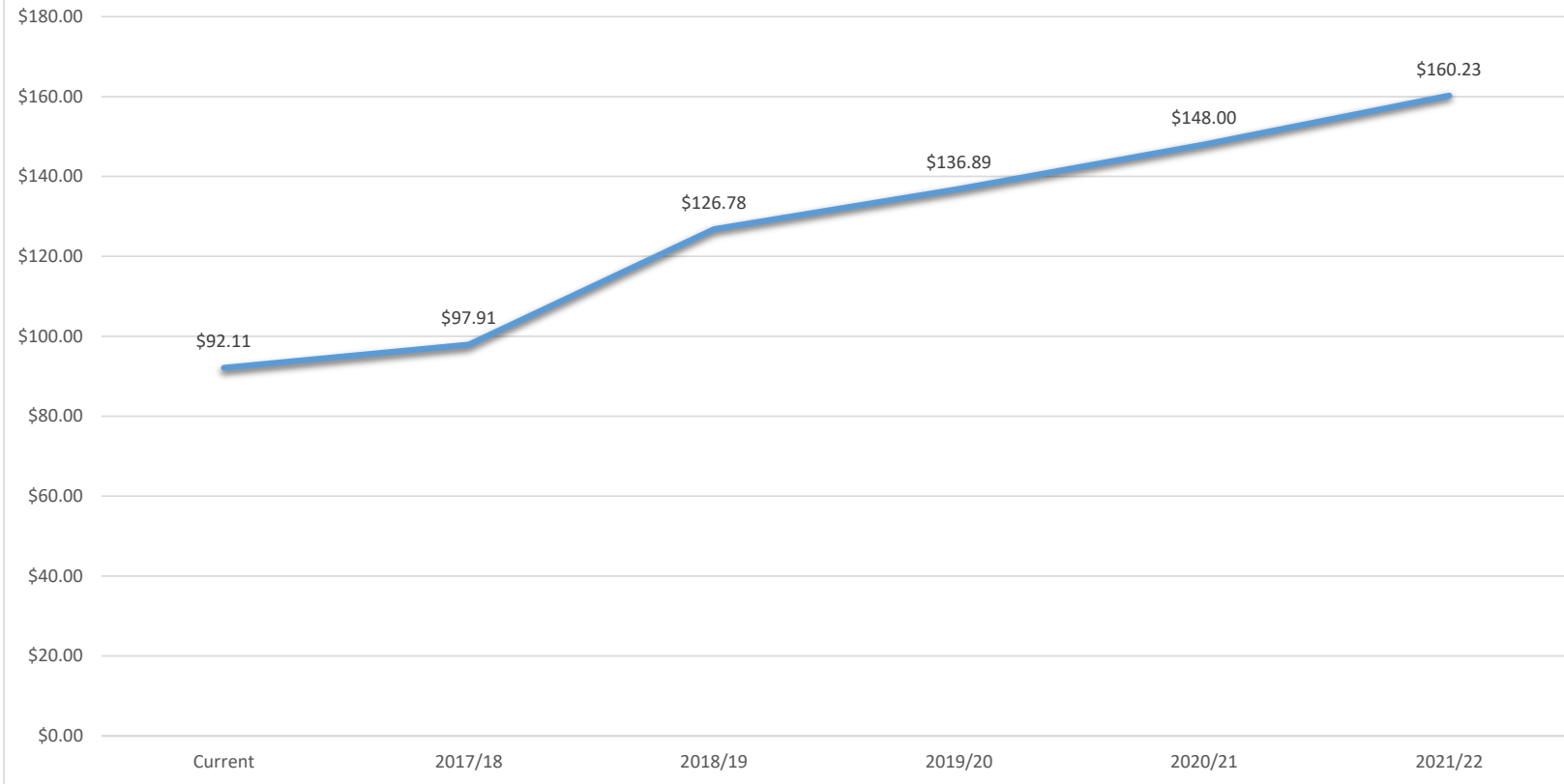
Scenario 2: Pay-Go Funding Updated CIP					
Table 5 b: Cash Flow Projection for All Scenarios					
Groveland Community Services District					
Sewer Rate Study					
	2027/28	2021/29	2021/30	2021/31	2021/32
Beginning Fund Balance					
Opening Balance [1]	\$941,636	\$966,205	\$952,674	\$925,343	\$858,412
Typical Monthly Bill [2]	\$171.64	\$171.64	\$171.64	\$171.64	\$171.64
Rate Adjustment	0%	0%	0%	0%	0%
Growth	0%	0%	0%	0%	0%
Revenues					
Sewer rate revenues [3]	2,617,600	2,617,600	2,617,600	2,617,600	2,617,600
Debt service charge revenues					
Misc. revenues	<u>32,000</u>	<u>32,000</u>	<u>32,000</u>	<u>32,000</u>	<u>32,000</u>
Total Revenues	2,649,600	2,649,600	2,649,600	2,649,600	2,649,600
Grants					
Expenses					
Administration & Board	729,900	744,500	759,400	774,600	790,100
Operations	605,200	617,300	629,600	642,200	655,000
Maintenance	520,300	530,700	541,300	552,100	563,100
Equipment Leases	<u>50,100</u>	<u>51,100</u>	<u>52,100</u>	<u>53,100</u>	<u>54,200</u>
Total Operating Expenses	1,905,500	1,943,600	1,982,400	2,022,000	2,062,400
Debt Service Payment	0	0	0	0	0
Capital Improvement Projects	719,531	719,531	694,531	694,531	694,531
Revenues	2,649,600	2,649,600	2,649,600	2,649,600	2,649,600
Total Expenses	<u>2,625,031</u>	<u>2,663,131</u>	<u>2,676,931</u>	<u>2,716,531</u>	<u>2,756,931</u>
Net Revenues	24,569	(13,531)	(27,331)	(66,931)	(107,331)
Ending Fund Balance	966,205	952,674	925,343	858,412	751,081
Debt Service Coverage					
Net Operating Revenues	744,100	706,000	667,200	627,600	587,200
Debt Service Payment	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Debt Coverage					
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 6b : 100% Fixed****Groveland Community Services District****Sewer Rate Study**

	Current	2017/18	2018/19	2019/20	2020/21	2021/22
Total Revenue Requirement		\$1,404,700	\$1,966,600	\$2,163,300	\$2,379,600	\$2,617,600
% increase		0%	40%	10%	10%	10%
Total Number of Billing Units		19,465	19,465	19,465	19,465	19,465
Fixed Rate per Unit		\$72.16	\$101.03	\$111.14	\$122.25	\$134.48
Debt Service		\$25.75	\$25.75	\$25.75	\$25.75	\$25.75
	\$92.11	\$97.91	\$126.78	\$136.89	\$148.00	\$160.23

9/26/2017

Scenario 2
Table 6b: 100% Fixed Typical Bills



Scenario 2: Pay-Go Funding Updated CIP
Table 7b : 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		\$1,404,700	\$1,966,600	\$2,163,300	\$2,379,600	\$2,617,600
Debt Service		\$410,000	\$410,000	\$410,000	\$410,000	\$410,000
		\$1,814,700	\$2,376,600	\$2,573,300	\$2,789,600	\$3,027,600
Total Number of Billing Units		19,465	19,465	19,465	19,465	19,465
Fixed Rate per Unit	\$92.11	\$93.23	\$122.09	\$132.20	\$143.31	\$155.54

Scenario 2
Table 7b
: 100% Fixed Charge incl. 2014 Debt Typical Bills

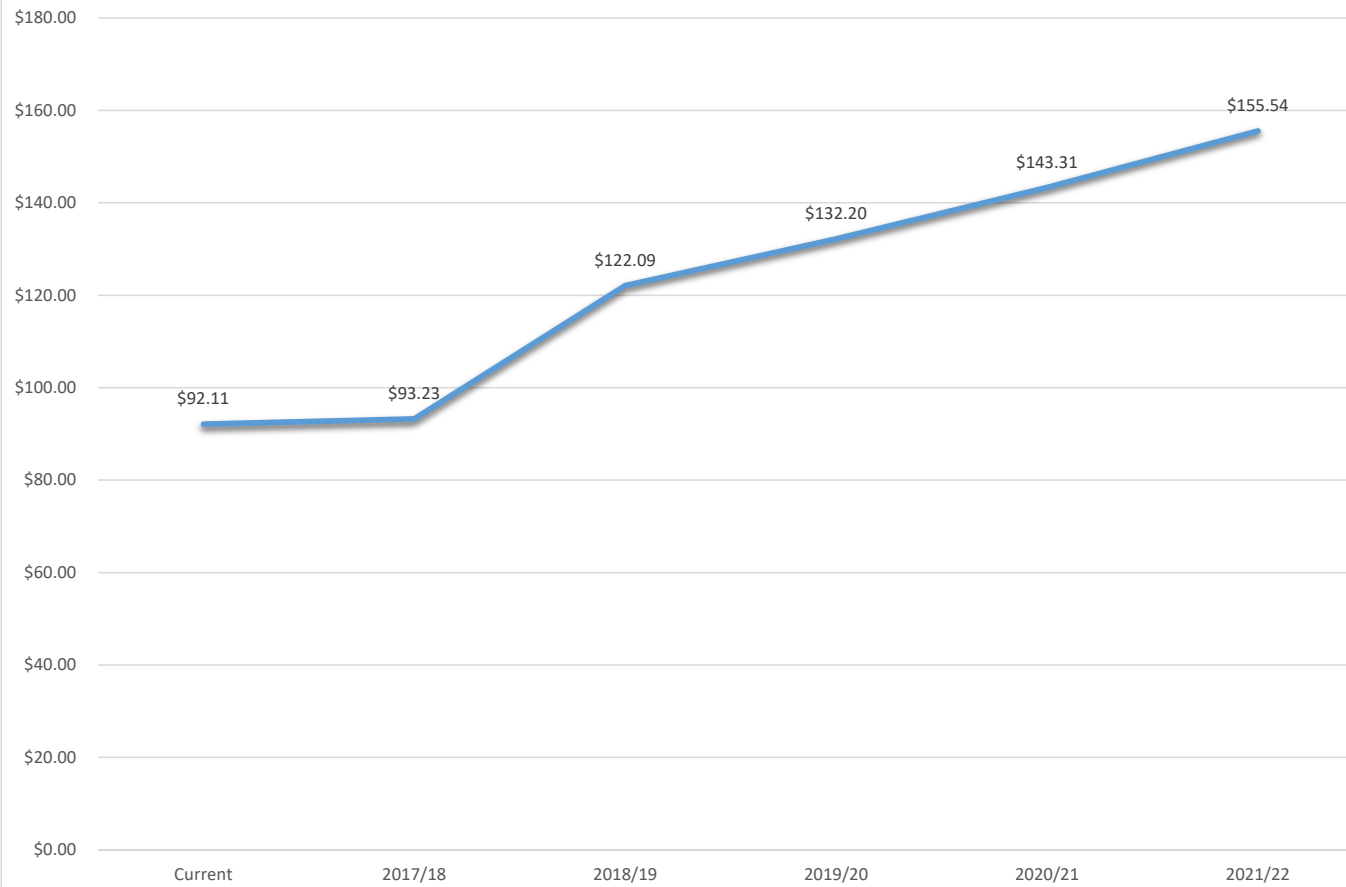


Table 8: Scenario Rate Summary
Groveland Community Services District
Sewer Rate Study

Scenario 1 Updated CIP Financed Through Debt Issuance

	Current	2017/18	2018/19	2019/20	2020/21	2021/22
Scenario 1: Fixed Only	\$92.11	\$97.91	\$109.46	\$122.86	\$137.42	\$154.17
Scenario 1: Fixed Only Including Debt Service	\$92.11	\$91.32	\$102.63	\$115.75	\$130.02	\$146.43

Scenario 2 Pay-Go Funding with Updated CIP

	Current	2017/18	2018/19	2019/20	2020/21	2021/22
Scenario 2: Fixed Only	\$92.11	\$97.91	\$126.78	\$136.89	\$148.00	\$160.23
Scenario 2: Fixed Only Including Debt Service	\$92.11	\$93.23	\$122.09	\$132.20	\$143.31	\$155.54

