

Solano Irrigation District  
Capital Replacement Charge Analysis

Alison/Ulatis Non-Public Water System  
Five Year Annual Rate Increase, 2015-2019

	Period											Total	
	Year	2014	1 2015	2 2016	3 2017	4 2018	5 2019	6 2020	7 2021	8 2022	9 2023		10 2024
<b>Beginning Balance</b>	\$	13,862	\$ 30,684	\$ 5,763	\$ 28,269	\$ 54,592	\$ 85,345	\$ 121,238	\$ 155,160	\$ 191,752	\$ 228,709	\$ 17,013	\$ 13,862
<b>Source of Funds</b>													
Capital Replacement Charge	\$	16,600	\$ 19,256	\$ 22,337	\$ 25,911	\$ 30,057	\$ 34,866	\$ 34,866	\$ 34,866	\$ 34,866	\$ 34,866	\$ 34,866	\$ 323,354
Interest Earnings (1)	\$	222	\$ 181	\$ 169	\$ 412	\$ 696	\$ 1,028	\$ 1,375	\$ 1,726	\$ 2,092	\$ 1,222	\$ 110	\$ 9,234
<b>Total Source of Funds</b>	\$	16,822	\$ 19,437	\$ 22,506	\$ 26,323	\$ 30,753	\$ 35,893	\$ 36,241	\$ 36,592	\$ 36,957	\$ 36,088	\$ 34,976	\$ 332,588
<b>Total Funds Available</b>	\$	30,684	\$ 50,121	\$ 28,269	\$ 54,592	\$ 85,345	\$ 121,238	\$ 157,479	\$ 191,752	\$ 228,709	\$ 264,797	\$ 51,989	\$ 346,450
<b>Expenditures (2)</b>													
Meter Replacement							\$ 2,318					\$ 39,903	\$ 42,222
Service Replacement										\$ 247,785	\$ 6,921		\$ 254,706
SCADA Controls			\$ 41,257										\$ 41,257
Condition Assessment			\$ 3,102										\$ 3,102
<b>Total Expenditures</b>	\$	-	\$ 44,359	\$ -	\$ -	\$ -	\$ -	\$ 2,318	\$ -	\$ -	\$ 247,785	\$ 46,824	\$ 341,286
<b>Ending Balance</b>	\$	30,684	\$ 5,763	\$ 28,269	\$ 54,592	\$ 85,345	\$ 121,238	\$ 155,160	\$ 191,752	\$ 228,709	\$ 17,013	\$ 5,164	\$ 5,164

Capital Replacement Charge	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Total
Percent Annual Rate Increase		16.0%	16.0%	16.0%	16.0%	16.0%	0.0%	0.0%	0.0%	0.0%	0.0%	110.0%
Monthly Rates [37 meters]:												
3/4 inch meter	\$ 10.00	\$ 11.60	\$ 13.46	\$ 15.61	\$ 18.11	\$ 21.00	\$ 21.00	\$ 21.00	\$ 21.00	\$ 21.00	\$ 21.00	\$ 21.00
1 inch meter [17]	\$ 16.67	\$ 19.34	\$ 22.43	\$ 26.02	\$ 30.18	\$ 35.01	\$ 35.01	\$ 35.01	\$ 35.01	\$ 35.01	\$ 35.01	\$ 35.01
1 1/2 inch meter [3]	\$ 33.33	\$ 38.66	\$ 44.85	\$ 52.02	\$ 60.35	\$ 70.00	\$ 70.00	\$ 70.00	\$ 70.00	\$ 70.00	\$ 70.00	\$ 70.00
2 inch meter [15]	\$ 53.33	\$ 61.86	\$ 71.76	\$ 83.24	\$ 96.56	\$ 112.01	\$ 112.01	\$ 112.01	\$ 112.01	\$ 112.01	\$ 112.01	\$ 112.01
3 inch meter [2]	\$ 100.00	\$ 116.00	\$ 134.56	\$ 156.09	\$ 181.06	\$ 210.03	\$ 210.03	\$ 210.03	\$ 210.03	\$ 210.03	\$ 210.03	\$ 210.03
4 inch meter	\$ 166.67	\$ 193.34	\$ 224.27	\$ 260.15	\$ 301.78	\$ 350.06	\$ 350.06	\$ 350.06	\$ 350.06	\$ 350.06	\$ 350.06	\$ 350.06
6 inch meter	\$ 333.33	\$ 386.66	\$ 448.53	\$ 520.29	\$ 603.54	\$ 700.11	\$ 700.11	\$ 700.11	\$ 700.11	\$ 700.11	\$ 700.11	\$ 700.11

**Notes:**

- (1) Interest earnings rate is 1%.
- (2) Construction costs escalated by 3.4% per year, beginning in 2015, based on historical construction cost increases.



Fairfield Corporate Commons Non-Public Water System  
Five Year Annual Rate Increase, 2015-2019

Period	2014	1	2	3	4	5	6	7	8	9	10	Total
Year		2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
<b>Beginning Balance</b>	\$ 9,907	\$ 20,819	\$ 27,948	\$ 552	\$ 5,556	\$ 13,286	\$ 36,032	\$ 3,565	\$ 2,823	\$ 2,007	\$ 1,184	\$ 9,907
<b>Source of Funds</b>												
Capital Replacement Charge	\$ 10,759	\$ 12,470	\$ 14,453	\$ 16,751	\$ 19,414	\$ 22,501	\$ 22,501	\$ 22,501	\$ 22,501	\$ 22,501	\$ 22,501	\$ 208,853
Internal Loan Proceeds (1)			\$ 21,900				\$ 74,300	\$ 6,500				\$ 102,700
Interest Earnings (2)	\$ 153	\$ 243	\$ 33	\$ 30	\$ 94	\$ 245	\$ -	\$ -	\$ 24	\$ 16	\$ 8	\$ 845
<b>Total Source of Funds</b>	\$ 10,912	\$ 12,713	\$ 36,386	\$ 16,781	\$ 19,508	\$ 22,746	\$ 96,801	\$ 29,001	\$ 22,525	\$ 22,517	\$ 22,509	\$ 312,399
<b>Total Funds Available</b>	\$ 20,819	\$ 33,532	\$ 64,334	\$ 17,333	\$ 25,063	\$ 36,032	\$ 132,833	\$ 32,566	\$ 25,348	\$ 24,524	\$ 23,692	\$ 322,306
<b>Expenditures (3)</b>												
Meter Replacement			\$ 7,437					\$ 8,790				\$ 16,227
Service Replacement							\$ 129,268					\$ 129,268
SCADA Controls			\$ 56,345									\$ 56,345
Internal Loan Repayment (4)				\$ 11,778	\$ 11,778			\$ 20,953	\$ 23,340	\$ 23,340	\$ 23,340	\$ 114,530
Condition Assessment		\$ 5,584										\$ 5,584
<b>Total Expenditures</b>	\$ -	\$ 5,584	\$ 63,782	\$ 11,778	\$ 11,778	\$ -	\$ 129,268	\$ 29,744	\$ 23,340	\$ 23,340	\$ 23,340	\$ 321,953
<b>Ending Balance</b>	\$ 20,819	\$ 27,948	\$ 552	\$ 5,556	\$ 13,286	\$ 36,032	\$ 3,565	\$ 2,823	\$ 2,007	\$ 1,184	\$ 352	\$ 352

Capital Replacement Charge	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Total
Percent Annual Rate Increase		15.9%	15.9%	15.9%	15.9%	15.9%	0.0%	0.0%	0.0%	0.0%	0.0%	109.1%
Monthly Rates [18 meters]:												
3/4 inch meter [1]	\$ 10.00	\$ 11.59	\$ 13.43	\$ 15.57	\$ 18.04	\$ 20.91	\$ 20.91	\$ 20.91	\$ 20.91	\$ 20.91	\$ 20.91	
1 inch meter	\$ 16.67	\$ 19.32	\$ 22.39	\$ 25.95	\$ 30.08	\$ 34.86	\$ 34.86	\$ 34.86	\$ 34.86	\$ 34.86	\$ 34.86	
1 1/2 inch meter [1]	\$ 33.33	\$ 38.63	\$ 44.77	\$ 51.89	\$ 60.14	\$ 69.70	\$ 69.70	\$ 69.70	\$ 69.70	\$ 69.70	\$ 69.70	
2 inch meter [16]	\$ 53.33	\$ 61.81	\$ 71.64	\$ 83.03	\$ 96.23	\$ 111.53	\$ 111.53	\$ 111.53	\$ 111.53	\$ 111.53	\$ 111.53	
3 inch meter	\$ 100.00	\$ 115.90	\$ 134.33	\$ 155.69	\$ 180.44	\$ 209.13	\$ 209.13	\$ 209.13	\$ 209.13	\$ 209.13	\$ 209.13	
4 inch meter	\$ 166.67	\$ 193.17	\$ 223.88	\$ 259.48	\$ 300.74	\$ 348.56	\$ 348.56	\$ 348.56	\$ 348.56	\$ 348.56	\$ 348.56	
6 inch meter	\$ 333.33	\$ 386.33	\$ 447.76	\$ 518.95	\$ 601.46	\$ 697.09	\$ 697.09	\$ 697.09	\$ 697.09	\$ 697.09	\$ 697.09	

Notes:

- (1) Assumes Internal Borrowing of \$21,900 in 2016 repaid over 2 years, \$74,300 in 2020 repaid over 4 years and \$6,500 in 2021 repaid over 3 years.
- (2) Interest earnings rate is 1%.
- (3) Construction costs escalated by 3.4% per year, beginning in 2015, based on historical construction cost increases.
- (4) Internal borrowing rate is 5%.

**North Cordelia Non-Public Water System**  
*Rates Stabilized - No Change in Rates*

	Period	1	2	3	4	5	6	7	8	9	10	Total
	Year	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
<b>Beginning Balance</b>	\$ 44,928	\$ 97,554	\$ 127,621	\$ 143,772	\$ 179,705	\$ 233,678	\$ 288,192	\$ 343,250	\$ 398,859	\$ 455,025	\$ 292,209	\$ 44,928
<b>Source of Funds</b>												
Capital Replacement Charge	\$ 51,917	\$ 51,917	\$ 51,917	\$ 51,917	\$ 51,917	\$ 51,917	\$ 51,917	\$ 51,917	\$ 51,917	\$ 51,917	\$ 51,917	\$ 571,087
Interest Earnings (1)	\$ 709	\$ 1,120	\$ 1,350	\$ 1,609	\$ 2,057	\$ 2,596	\$ 3,142	\$ 3,692	\$ 4,248	\$ 3,718	\$ 2,052	\$ 26,293
<b>Total Source of Funds</b>	\$ 52,626	\$ 53,037	\$ 53,267	\$ 53,526	\$ 53,974	\$ 54,513	\$ 55,059	\$ 55,609	\$ 56,165	\$ 55,635	\$ 53,969	\$ 597,381
<b>Total Funds Available</b>	\$ 97,554	\$ 150,591	\$ 180,888	\$ 197,299	\$ 233,678	\$ 288,192	\$ 343,250	\$ 398,859	\$ 455,025	\$ 510,659	\$ 346,179	\$ 642,309
<b>Expenditures (2)</b>												
Meter Replacement		\$ 16,456	\$ 17,016	\$ 17,594								\$ 51,066
Service Replacement										\$ 218,450	\$ 225,877	\$ 444,327
SCADA Controls			\$ 20,100									\$ 20,100
Condition Assessment		\$ 6,514										\$ 6,514
<b>Total Expenditures</b>	\$ -	\$ 22,970	\$ 37,116	\$ 17,594	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 218,450	\$ 225,877	\$ 522,007
<b>Reserve for Capital Replacement</b>											\$ 120,301	\$ 120,301
<b>Ending Balance</b>	\$ 97,554	\$ 127,621	\$ 143,772	\$ 179,705	\$ 233,678	\$ 288,192	\$ 343,250	\$ 398,859	\$ 455,025	\$ 292,209	\$ 0	\$ 0

<b>Capital Replacement Charge</b>	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Total
Percent Rate Change		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Monthly Rates [79 meters]:												
3/4 inch meter	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00
1 inch meter	\$ 16.67	\$ 16.67	\$ 16.67	\$ 16.67	\$ 16.67	\$ 16.67	\$ 16.67	\$ 16.67	\$ 16.67	\$ 16.67	\$ 16.67	\$ 16.67
1 1/2 inch meter [8]	\$ 33.33	\$ 33.33	\$ 33.33	\$ 33.33	\$ 33.33	\$ 33.33	\$ 33.33	\$ 33.33	\$ 33.33	\$ 33.33	\$ 33.33	\$ 33.33
2 inch meter [68]	\$ 53.33	\$ 53.33	\$ 53.33	\$ 53.33	\$ 53.33	\$ 53.33	\$ 53.33	\$ 53.33	\$ 53.33	\$ 53.33	\$ 53.33	\$ 53.33
3 inch meter [1]	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00
4 inch meter [2]	\$ 166.67	\$ 166.67	\$ 166.67	\$ 166.67	\$ 166.67	\$ 166.67	\$ 166.67	\$ 166.67	\$ 166.67	\$ 166.67	\$ 166.67	\$ 166.67
6 inch meter	\$ 333.33	\$ 333.33	\$ 333.33	\$ 333.33	\$ 333.33	\$ 333.33	\$ 333.33	\$ 333.33	\$ 333.33	\$ 333.33	\$ 333.33	\$ 333.33

Notes:  
 (1) Interest earnings rate is 1%.  
 (2) Construction costs escalated by 3.4% per year, beginning in 2015, based on historical construction cost increases.

Solano Irrigation District  
Capital Replacement Charge Analysis

North Village Non-Public Water System  
One-Time Increase in 2015

	Period Year	1 2014	2 2015	3 2016	4 2017	5 2018	6 2019	7 2020	8 2021	9 2022	10 2023	11 2024	Total
<b>Beginning Balance</b>		\$ 11,165	\$ 24,783	\$ 32,350	\$ 31,278	\$ 42,749	\$ 57,146	\$ 71,687	\$ 21,644	\$ 47	\$ 2,540	\$ 5,058	\$ 11,165
<b>Source of Funds</b>													
Capital Replacement Charge		\$ 13,440	\$ 13,900	\$ 13,900	\$ 13,900	\$ 13,900	\$ 13,900	\$ 13,900	\$ 13,900	\$ 13,900	\$ 13,900	\$ 13,900	\$ 152,440
Internal Loan Proceeds (1)									\$ 31,100				\$ 31,100
Interest Earnings (2)		\$ 179	\$ 284	\$ 317	\$ 368	\$ 497	\$ 641	\$ 464	\$ -	\$ 13	\$ 38	\$ 28	\$ 2,829
<b>Total Source of Funds</b>		\$ 13,618	\$ 14,184	\$ 14,217	\$ 14,268	\$ 14,397	\$ 14,541	\$ 14,364	\$ 45,000	\$ 13,913	\$ 13,938	\$ 13,928	\$ 186,368
<b>Total Funds Available</b>		\$ 24,783	\$ 38,968	\$ 46,567	\$ 45,546	\$ 57,146	\$ 71,687	\$ 86,051	\$ 66,644	\$ 13,960	\$ 16,478	\$ 18,985	\$ 197,533
<b>Expenditures (3)</b>													
Meter Replacement					\$ 2,797							\$ 7,068	\$ 9,865
Service Replacement								\$ 64,407	\$ 66,597				\$ 131,004
SCADA Controls				\$ 15,289									\$ 15,289
Internal Loan Repayment (4)										\$ 11,420	\$ 11,420	\$ 11,420	\$ 34,261
Condition Assessment		\$ 6,618											\$ 6,618
<b>Total Expenditures</b>		\$ -	\$ 6,618	\$ 15,289	\$ 2,797	\$ -	\$ -	\$ 64,407	\$ 66,597	\$ 11,420	\$ 11,420	\$ 18,488	\$ 197,036
<b>Ending Balance</b>		\$ 24,783	\$ 32,350	\$ 31,278	\$ 42,749	\$ 57,146	\$ 71,687	\$ 21,644	\$ 47	\$ 2,540	\$ 5,058	\$ 497	\$ 497

Capital Replacement Charge	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Total
Percent Annual Rate Increase		3.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%
Monthly Rates [20 meters]:												
3/4 inch meter	\$ 10.00	\$ 10.34	\$ 10.34	\$ 10.34	\$ 10.34	\$ 10.34	\$ 10.34	\$ 10.34	\$ 10.34	\$ 10.34	\$ 10.34	\$ 10.34
1 Inch meter [2]	\$ 16.67	\$ 17.24	\$ 17.24	\$ 17.24	\$ 17.24	\$ 17.24	\$ 17.24	\$ 17.24	\$ 17.24	\$ 17.24	\$ 17.24	\$ 17.24
1 1/2 inch meter [4]	\$ 33.33	\$ 34.47	\$ 34.47	\$ 34.47	\$ 34.47	\$ 34.47	\$ 34.47	\$ 34.47	\$ 34.47	\$ 34.47	\$ 34.47	\$ 34.47
2 inch meter [11]	\$ 53.33	\$ 55.16	\$ 55.16	\$ 55.16	\$ 55.16	\$ 55.16	\$ 55.16	\$ 55.16	\$ 55.16	\$ 55.16	\$ 55.16	\$ 55.16
3 Inch meter [2]	\$ 100.00	\$ 103.43	\$ 103.43	\$ 103.43	\$ 103.43	\$ 103.43	\$ 103.43	\$ 103.43	\$ 103.43	\$ 103.43	\$ 103.43	\$ 103.43
4 Inch meter [1]	\$ 166.67	\$ 172.38	\$ 172.38	\$ 172.38	\$ 172.38	\$ 172.38	\$ 172.38	\$ 172.38	\$ 172.38	\$ 172.38	\$ 172.38	\$ 172.38
6 Inch meter	\$ 333.33	\$ 344.75	\$ 344.75	\$ 344.75	\$ 344.75	\$ 344.75	\$ 344.75	\$ 344.75	\$ 344.75	\$ 344.75	\$ 344.75	\$ 344.75

Notes:

- (1) Assumes Internal Borrowing of \$31,100 in 2021 repaid over 3 years.
- (2) Interest earnings rate is 1%.
- (3) Construction costs escalated by 3.4% per year, beginning in 2015, based on historical construction cost increases.
- (4) Internal borrowing rate is 5%.

**Nut Tree Non-Public Water System**  
*Rates Stabilized - No Change in Rates*

	<i>Period</i>											<i>Total</i>
	<i>Year</i>	1	2	3	4	5	6	7	8	9	10	
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
<b>Beginning Balance</b>	\$ 5,981	\$ 15,206	\$ 20,470	\$ 6,201	\$ 15,428	\$ 24,748	\$ 34,160	\$ 33,698	\$ 32,893	\$ 31,729	\$ 29,883	\$ 5,981
<b>Source of Funds</b>												
Capital Replacement Charge	\$ 9,120	\$ 9,120	\$ 9,120	\$ 9,120	\$ 9,120	\$ 9,120	\$ 9,120	\$ 9,120	\$ 9,120	\$ 9,120	\$ 9,120	\$ 100,315
Interest Earnings (1)	\$ 105	\$ 177	\$ 133	\$ 108	\$ 200	\$ 293	\$ 338	\$ 331	\$ 322	\$ -	\$ 344	\$ 2,351
<b>Total Source of Funds</b>	\$ 9,225	\$ 9,297	\$ 9,252	\$ 9,227	\$ 9,319	\$ 9,413	\$ 9,457	\$ 9,451	\$ 9,441	\$ 9,120	\$ 9,464	\$ 102,666
<b>Total Funds Available</b>	\$ 15,206	\$ 24,503	\$ 29,723	\$ 15,428	\$ 24,748	\$ 34,160	\$ 43,617	\$ 43,149	\$ 42,334	\$ 40,849	\$ 39,347	\$ 108,647
<b>Expenditures (2)</b>												
Meter Replacement							\$ 9,919	\$ 10,256	\$ 10,605	\$ 10,965		\$ 41,745
Filter Upgrades			\$ 16,037									\$ 16,037
SCADA Controls			\$ 7,484									\$ 7,484
Condition Assessment (system inventory)		\$ 4,033										\$ 4,033
<b>Total Expenditures</b>	\$ -	\$ 4,033	\$ 23,521	\$ -	\$ -	\$ -	\$ 9,919	\$ 10,256	\$ 10,605	\$ 10,965	\$ -	\$ 69,300
<b>Reserve for Capital Replacement</b>											\$ 39,347	\$ 39,347
<b>Ending Balance</b>	\$ 15,206	\$ 20,470	\$ 6,201	\$ 15,428	\$ 24,748	\$ 34,160	\$ 33,698	\$ 32,893	\$ 31,729	\$ 29,883	\$ 0	\$ 0

<b>Capital Replacement Charge</b>	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Total
Percent Rate Change		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Monthly Rates [20 meters]:												
3/4 inch meter	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00
1 inch meter [4]	\$ 16.67	\$ 16.67	\$ 16.67	\$ 16.67	\$ 16.67	\$ 16.67	\$ 16.67	\$ 16.67	\$ 16.67	\$ 16.67	\$ 16.67	\$ 16.67
1 1/2 inch meter [8]	\$ 33.33	\$ 33.33	\$ 33.33	\$ 33.33	\$ 33.33	\$ 33.33	\$ 33.33	\$ 33.33	\$ 33.33	\$ 33.33	\$ 33.33	\$ 33.33
2 inch meter [8]	\$ 53.33	\$ 53.33	\$ 53.33	\$ 53.33	\$ 53.33	\$ 53.33	\$ 53.33	\$ 53.33	\$ 53.33	\$ 53.33	\$ 53.33	\$ 53.33
3 inch meter	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00
4 inch meter	\$ 166.67	\$ 166.67	\$ 166.67	\$ 166.67	\$ 166.67	\$ 166.67	\$ 166.67	\$ 166.67	\$ 166.67	\$ 166.67	\$ 166.67	\$ 166.67
6 inch meter	\$ 333.33	\$ 333.33	\$ 333.33	\$ 333.33	\$ 333.33	\$ 333.33	\$ 333.33	\$ 333.33	\$ 333.33	\$ 333.33	\$ 333.33	\$ 333.33

**Notes:**

- (1) Interest earnings rate is 1%.
- (2) Construction costs escalated by 3.4% per year, beginning in 2015, based on historical construction cost increases.

**Paradise Valley Non-Public Water System**  
*Five Year Annual Rate Increase, 2015-2019*

<i>Period</i>	<i>Year</i>	1	2	3	4	5	6	7	8	9	10	Total
<b>Beginning Balance</b>	\$ 16,082	\$ 35,619	\$ 499	\$ 6,832	\$ 1,195	\$ 8,476	\$ 35,437	\$ 62,668	\$ 90,171	\$ 709	\$ 2,459	\$ 16,082
<b>Source of Funds</b>												
Capital Replacement Charge	\$ 19,280	\$ 22,461	\$ 26,167	\$ 30,485	\$ 35,515	\$ 41,374	\$ 41,374	\$ 41,374	\$ 41,374	\$ 41,374	\$ 41,374	\$ 382,154
Internal Loan Proceeds (1)		\$ 104,000		\$ 13,000					\$ 46,500			\$ 163,500
Interest Earnings (2)	\$ 257	\$ -	\$ 36	\$ -	\$ 48	\$ 218	\$ 488	\$ 760	\$ 221	\$ 16	\$ 33	\$ 2,079
<b>Total Source of Funds</b>	\$ 19,537	\$ 126,461	\$ 26,203	\$ 43,485	\$ 35,563	\$ 41,593	\$ 41,863	\$ 42,135	\$ 88,095	\$ 41,390	\$ 41,408	\$ 547,732
<b>Total Funds Available</b>	\$ 35,619	\$ 162,080	\$ 26,702	\$ 50,316	\$ 36,757	\$ 50,069	\$ 77,299	\$ 104,802	\$ 178,266	\$ 42,099	\$ 43,867	\$ 563,814
<b>Expenditures (3)</b>												
Meter Replacement		\$ 25,761										\$ 25,761
Service Replacement				\$ 34,490					\$ 162,925			\$ 197,415
Pipeline Replacement												\$ -
SCADA Controls			\$ 5,239									\$ 5,239
Filter Station Reconstruction		\$ 120,000										\$ 120,000
Internal Loan Repayment (4)			\$ 14,632	\$ 14,632	\$ 28,282	\$ 14,632	\$ 14,632	\$ 14,632	\$ 14,632	\$ 39,640	\$ 39,640	\$ 195,352
Condition Assessment		\$ 15,820										\$ 15,820
<b>Total Expenditures</b>	\$ -	\$ 161,581	\$ 19,871	\$ 49,121	\$ 28,282	\$ 14,632	\$ 14,632	\$ 14,632	\$ 177,557	\$ 39,640	\$ 39,640	\$ 559,587
<b>Ending Balance</b>	\$ 35,619	\$ 499	\$ 6,832	\$ 1,195	\$ 8,476	\$ 35,437	\$ 62,668	\$ 90,171	\$ 709	\$ 2,459	\$ 4,227	\$ 4,227

<b>Capital Replacement Charge</b>	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Total
Percent Annual Rate Increase		16.5%	16.5%	16.5%	16.5%	16.5%	0.0%	0.0%	0.0%	0.0%	0.0%	114.6%
Monthly Rates [7 meters]:												
3/4 inch meter	\$ 10.00	\$ 11.65	\$ 13.57	\$ 15.81	\$ 18.42	\$ 21.46	\$ 21.46	\$ 21.46	\$ 21.46	\$ 21.46	\$ 21.46	
1 inch meter	\$ 16.67	\$ 19.42	\$ 22.62	\$ 26.36	\$ 30.71	\$ 35.77	\$ 35.77	\$ 35.77	\$ 35.77	\$ 35.77	\$ 35.77	
1 1/2 inch meter	\$ 33.33	\$ 38.83	\$ 45.24	\$ 52.70	\$ 61.40	\$ 71.53	\$ 71.53	\$ 71.53	\$ 71.53	\$ 71.53	\$ 71.53	
2 inch meter [2]	\$ 53.33	\$ 62.13	\$ 72.38	\$ 84.32	\$ 98.24	\$ 114.45	\$ 114.45	\$ 114.45	\$ 114.45	\$ 114.45	\$ 114.45	
3 inch meter	\$ 100.00	\$ 116.50	\$ 135.72	\$ 158.12	\$ 184.21	\$ 214.60	\$ 214.60	\$ 214.60	\$ 214.60	\$ 214.60	\$ 214.60	
4 inch meter [1]	\$ 166.67	\$ 194.17	\$ 226.21	\$ 263.53	\$ 307.02	\$ 357.67	\$ 357.67	\$ 357.67	\$ 357.67	\$ 357.67	\$ 357.67	
6 inch meter [4]	\$ 333.33	\$ 388.33	\$ 452.40	\$ 527.05	\$ 614.01	\$ 715.33	\$ 715.33	\$ 715.33	\$ 715.33	\$ 715.33	\$ 715.33	

**Notes:**

- (1) Assumes Internal Borrowing of \$104,000 in 2015 to be repaid over 9 years, \$13,000 in 2017 to be repaid in 1 year and \$46,500 in 2022 to be repaid over 2 years.
- (2) Interest earnings rate is 1%.
- (3) Construction costs escalated by 3.4% per year, beginning in 2015, based on historical construction cost increases.
- (4) Internal borrowing rate is 5%.

**Blue Ridge Oaks Public Water System**  
*Five Year Annual Rate Increase, 2015-2019*

	Period		1	2	3	4	5	6	7	8	9	10	Total
	Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
<b>Beginning Balance</b>	\$	1,941	\$ 4,252	\$ 27	\$ 325	\$ 903	\$ 1,792	\$ 3,025	\$ 4,271	\$ 5,529	\$ 9,275	\$ 87	\$ 1,941
<b>Source of Funds</b>													
Capital Replacement Charge	\$	2,280	\$ 2,508	\$ 2,759	\$ 3,035	\$ 3,338	\$ 3,672	\$ 3,672	\$ 3,672	\$ 3,672	\$ 3,672	\$ 3,672	\$ 35,951
Internal Loan Proceeds (1)			\$ 12,500								\$ 3,400		\$ 15,900
Interest Earnings (2)	\$	31	\$ -	\$ 2	\$ 6	\$ 13	\$ 24	\$ 36	\$ 49	\$ 74	\$ 30	\$ 1	\$ 266
<b>Total Source of Funds</b>	\$	2,311	\$ 15,008	\$ 2,761	\$ 3,041	\$ 3,352	\$ 3,696	\$ 3,708	\$ 3,721	\$ 3,746	\$ 7,102	\$ 3,673	\$ 52,117
<b>Total Funds Available</b>	\$	4,252	\$ 19,260	\$ 2,788	\$ 3,366	\$ 4,255	\$ 5,488	\$ 6,734	\$ 7,992	\$ 9,275	\$ 16,376	\$ 3,761	\$ 54,058
<b>Expenditures (3)</b>													
Meter Replacement											\$ 16,289		\$ 16,289
Service Replacement													\$ -
SCADA Controls			\$ 13,752										\$ 13,752
Condition Assessment			\$ 5,480										\$ 5,480
Internal Loan Repayment (4)				\$ 2,463	\$ 2,463	\$ 2,463	\$ 2,463	\$ 2,463	\$ 2,463			\$ 3,570	\$ 18,346
<b>Total Expenditures</b>	\$	-	\$ 19,232	\$ 2,463	\$ 2,463	\$ 2,463	\$ 2,463	\$ 2,463	\$ 2,463	\$ -	\$ 16,289	\$ 3,570	\$ 53,867
<b>Ending Balance</b>	\$	4,252	\$ 27	\$ 325	\$ 903	\$ 1,792	\$ 3,025	\$ 4,271	\$ 5,529	\$ 9,275	\$ 87	\$ 191	\$ 191

<b>Capital Replacement Charge</b>	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Total
Percent Annual Rate Increase		10.0%	10.0%	10.0%	10.0%	10.0%	0.0%	0.0%	0.0%	0.0%	0.0%	61.1%
Monthly Rates [19 meters]:												
3/4 inch meter [19]	\$ 10.00	\$ 11.00	\$ 12.10	\$ 13.31	\$ 14.64	\$ 16.11	\$ 16.11	\$ 16.11	\$ 16.11	\$ 16.11	\$ 16.11	\$ 16.11
1 inch meter	\$ 16.67	\$ 18.34	\$ 20.17	\$ 22.19	\$ 24.41	\$ 26.85	\$ 26.85	\$ 26.85	\$ 26.85	\$ 26.85	\$ 26.85	\$ 26.85
1 1/2 inch meter	\$ 33.33	\$ 36.66	\$ 40.33	\$ 44.36	\$ 48.80	\$ 53.68	\$ 53.68	\$ 53.68	\$ 53.68	\$ 53.68	\$ 53.68	\$ 53.68
2 inch meter	\$ 53.33	\$ 58.66	\$ 64.53	\$ 70.98	\$ 78.08	\$ 85.89	\$ 85.89	\$ 85.89	\$ 85.89	\$ 85.89	\$ 85.89	\$ 85.89
3 inch meter	\$ 100.00	\$ 110.00	\$ 121.00	\$ 133.10	\$ 146.41	\$ 161.05	\$ 161.05	\$ 161.05	\$ 161.05	\$ 161.05	\$ 161.05	\$ 161.05
4 inch meter	\$ 166.67	\$ 183.34	\$ 201.67	\$ 221.84	\$ 244.02	\$ 268.42	\$ 268.42	\$ 268.42	\$ 268.42	\$ 268.42	\$ 268.42	\$ 268.42
6 inch meter	\$ 333.33	\$ 366.66	\$ 403.33	\$ 443.66	\$ 488.03	\$ 536.83	\$ 536.83	\$ 536.83	\$ 536.83	\$ 536.83	\$ 536.83	\$ 536.83

**Notes:**

- (1) Assumes Internal Borrowing of \$12,500 in 2015 to be repaid over 6 years and \$3,400 in 2023 to be repaid in 1 year.
- (2) Interest earnings rate is 1%.
- (3) Construction costs escalated by 3.4% per year, beginning in 2015, based on historical construction cost increases.
- (4) Internal borrowing rate is 5%.



**Elmira Public Water System**  
**Five Year Annual Rate Increase, 2015-2019**

Period Year	2014	1 2015	2 2016	3 2017	4 2018	5 2019	6 2020	7 2021	8 2022	9 2023	10 2024	Total
<b>Beginning Balance</b>	\$ 8,447	\$ 19,868	\$ 101	\$ 5,654	\$ 24,718	\$ 47,546	\$ 74,848	\$ 85,667	\$ 96,024	\$ 105,896	\$ 115,257	\$ 8,447
<b>Source of Funds</b>												
Capital Replacement Charge	\$ 11,280	\$ 13,401	\$ 15,920	\$ 18,913	\$ 22,469	\$ 26,693	\$ 26,693	\$ 26,693	\$ 26,693	\$ 26,693	\$ 26,693	\$ 242,138
Internal Loan Proceeds (1)		\$ 9,900										\$ 9,900
Interest Earnings (2)	\$ 141	\$ 50	\$ 29	\$ 151	\$ 360	\$ 609	\$ 799	\$ 904	\$ 1,005	\$ 1,100	\$ 588	\$ 5,734
<b>Total Source of Funds</b>	\$ 11,421	\$ 23,351	\$ 15,949	\$ 19,064	\$ 22,828	\$ 27,302	\$ 27,491	\$ 27,597	\$ 27,697	\$ 27,793	\$ 27,280	\$ 257,772
<b>Total Funds Available</b>	\$ 19,868	\$ 43,219	\$ 16,049	\$ 24,718	\$ 47,546	\$ 74,848	\$ 102,339	\$ 113,263	\$ 123,721	\$ 133,688	\$ 142,537	\$ 266,219
<b>Expenditures (3)</b>												
Meter Replacement							\$ 16,673	\$ 17,239	\$ 17,826	\$ 18,432		\$ 70,169
Service Replacement											\$ 139,703	\$ 139,703
SCADA Controls		\$ 15,510										\$ 15,510
Condition Assessment		\$ 27,608										\$ 27,608
Internal Loan Repayment (4)			\$ 10,395									\$ 10,395
<b>Total Expenditures</b>	\$ -	\$ 43,118	\$ 10,395	\$ -	\$ -	\$ -	\$ 16,673	\$ 17,239	\$ 17,826	\$ 18,432	\$ 139,703	\$ 263,385
<b>Ending Balance</b>	\$ 19,868	\$ 101	\$ 5,654	\$ 24,718	\$ 47,546	\$ 74,848	\$ 85,667	\$ 96,024	\$ 105,896	\$ 115,257	\$ 2,834	\$ 2,834

<b>Capital Replacement Charge (5)</b>	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Total
Percent Annual Rate Increase		18.8%	18.8%	18.8%	18.8%	18.8%	0.0%	0.0%	0.0%	0.0%	0.0%	136.6%
Monthly Rates [86 meters]:												
3/4 inch meter [82]	\$ 10.00	\$ 11.88	\$ 14.11	\$ 16.77	\$ 19.92	\$ 23.66	\$ 23.66	\$ 23.66	\$ 23.66	\$ 23.66	\$ 23.66	\$ 23.66
1 inch meter [2]	\$ 16.67	\$ 19.80	\$ 23.53	\$ 27.95	\$ 33.20	\$ 39.45	\$ 39.45	\$ 39.45	\$ 39.45	\$ 39.45	\$ 39.45	\$ 39.45
1 1/2 inch meter [1]	\$ 33.33	\$ 39.60	\$ 47.04	\$ 55.88	\$ 66.39	\$ 78.87	\$ 78.87	\$ 78.87	\$ 78.87	\$ 78.87	\$ 78.87	\$ 78.87
2 inch meter [1]	\$ 53.33	\$ 63.36	\$ 75.27	\$ 89.42	\$ 106.23	\$ 126.20	\$ 126.20	\$ 126.20	\$ 126.20	\$ 126.20	\$ 126.20	\$ 126.20
3 inch meter	\$ 100.00	\$ 118.80	\$ 141.13	\$ 167.67	\$ 199.19	\$ 236.64	\$ 236.64	\$ 236.64	\$ 236.64	\$ 236.64	\$ 236.64	\$ 236.64
4 inch meter	\$ 166.67	\$ 198.00	\$ 235.23	\$ 279.45	\$ 331.99	\$ 394.40	\$ 394.40	\$ 394.40	\$ 394.40	\$ 394.40	\$ 394.40	\$ 394.40
6 inch meter	\$ 333.33	\$ 396.00	\$ 470.44	\$ 558.89	\$ 663.96	\$ 788.78	\$ 788.78	\$ 788.78	\$ 788.78	\$ 788.78	\$ 788.78	\$ 788.78

**Notes:**

- (1) Assumes Internal Borrowing of \$9,900 in 2015 to be repaid in 1 year.
- (2) Interest earnings rate is 1%.
- (3) Construction costs escalated by 3.4% per year, beginning in 2015, based on historical construction cost increases.
- (4) Internal borrowing rate is 5%.
- (5) Bi-monthly assessment of \$42 on water bill will end in 2014.



**Peabody Public Water System**  
*Rates Stabilized - No Change in Rates*

	<i>Period</i>												<i>Total</i>
	<i>Year</i>	1	2	3	4	5	6	7	8	9	10		
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024		
<b>Beginning Balance</b>	\$ 1,952	\$ 4,263	\$ 5,454	\$ 7,800	\$ 10,169	\$ 12,562	\$ 14,979	\$ 2,662	\$ 4,980	\$ 7,321	\$ 9,686	\$ 1,952	
<b>Source of Funds</b>													
Capital Replacement Charge	\$ 2,280	\$ 2,280	\$ 2,280	\$ 2,280	\$ 2,280	\$ 2,280	\$ 2,280	\$ 2,280	\$ 2,280	\$ 2,280	\$ 2,280	\$ 2,280	\$ 25,080
Interest Earnings (1)	\$ 31	\$ 48	\$ 66	\$ 89	\$ 113	\$ 137	\$ 88	\$ 38	\$ 61	\$ 85	\$ 108	\$ 865	\$ 865
<b>Total Source of Funds</b>	\$ 2,311	\$ 2,328	\$ 2,346	\$ 2,369	\$ 2,393	\$ 2,417	\$ 2,368	\$ 2,318	\$ 2,341	\$ 2,365	\$ 2,388	\$ 25,945	\$ 25,945
<b>Total Funds Available</b>	\$ 4,263	\$ 6,591	\$ 7,800	\$ 10,169	\$ 12,562	\$ 14,979	\$ 17,347	\$ 4,980	\$ 7,321	\$ 9,686	\$ 12,074	\$ 27,897	\$ 27,897
<b>Expenditures (2)</b>													
Meter Replacement							\$ 14,685					\$ 14,685	\$ 14,685
Condition Assessment		\$ 1,137										\$ 1,137	\$ 1,137
<b>Total Expenditures</b>	\$ -	\$ 1,137	\$ -	\$ -	\$ -	\$ -	\$ 14,685	\$ -	\$ -	\$ -	\$ -	\$ 15,823	\$ 15,823
<b>Capital Replacement Reserve</b>											\$ 12,074	\$ 12,074	\$ 12,074
<b>Ending Balance</b>	\$ 4,263	\$ 5,454	\$ 7,800	\$ 10,169	\$ 12,562	\$ 14,979	\$ 2,662	\$ 4,980	\$ 7,321	\$ 9,686	\$ (0)	\$ (0)	\$ (0)

<b>Capital Replacement Charge</b>	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Total
Percent Rate Change		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Monthly Rates [19 meters]:												
3/4 inch meter [19]	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00
1 inch meter	\$ 16.67	\$ 16.67	\$ 16.67	\$ 16.67	\$ 16.67	\$ 16.67	\$ 16.67	\$ 16.67	\$ 16.67	\$ 16.67	\$ 16.67	\$ 16.67
1 1/2 inch meter	\$ 33.33	\$ 33.33	\$ 33.33	\$ 33.33	\$ 33.33	\$ 33.33	\$ 33.33	\$ 33.33	\$ 33.33	\$ 33.33	\$ 33.33	\$ 33.33
2 inch meter	\$ 53.33	\$ 53.33	\$ 53.33	\$ 53.33	\$ 53.33	\$ 53.33	\$ 53.33	\$ 53.33	\$ 53.33	\$ 53.33	\$ 53.33	\$ 53.33
3 inch meter	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00
4 inch meter	\$ 166.67	\$ 166.67	\$ 166.67	\$ 166.67	\$ 166.67	\$ 166.67	\$ 166.67	\$ 166.67	\$ 166.67	\$ 166.67	\$ 166.67	\$ 166.67
6 inch meter	\$ 333.33	\$ 333.33	\$ 333.33	\$ 333.33	\$ 333.33	\$ 333.33	\$ 333.33	\$ 333.33	\$ 333.33	\$ 333.33	\$ 333.33	\$ 333.33

**Notes:**

- (1) Interest earnings rate is 1%.
- (2) Construction costs escalated by 3.4% per year, beginning in 2015, based on historical construction cost increases.

**Quail Canyon Public Water System**  
*Five Year Annual Rate Increase, 2015-2019*

<i>Period</i>	2014	1	2	3	4	5	6	7	8	9	10	Total
<i>Year</i>		2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
<b>Beginning Balance</b>	\$ 3,711	\$ 8,210	\$ 55	\$ 198	\$ 490	\$ 87	\$ 162	\$ 238	\$ 315	\$ 392	\$ 1,179	\$ 3,711
<b>Source of Funds</b>												
Capital Replacement Charge	\$ 4,440	\$ 4,951	\$ 5,520	\$ 6,155	\$ 6,863	\$ 7,652	\$ 7,652	\$ 7,652	\$ 7,652	\$ 7,652	\$ 7,652	\$ 73,838
Internal Loan Proceeds (1)		\$ 11,400	\$ 17,300	\$ 15,000	\$ 2,500							\$ 46,200
Interest Earnings (2)	\$ 59	\$ -	\$ -	\$ -	\$ -	\$ 1	\$ 2	\$ 3	\$ 4	\$ 8	\$ 16	\$ 92
<b>Total Source of Funds</b>	\$ 4,499	\$ 16,351	\$ 22,820	\$ 21,155	\$ 9,363	\$ 7,653	\$ 7,654	\$ 7,654	\$ 7,655	\$ 7,660	\$ 7,667	\$ 120,130
<b>Total Funds Available</b>	\$ 8,210	\$ 24,561	\$ 22,875	\$ 21,353	\$ 9,852	\$ 7,740	\$ 7,816	\$ 7,893	\$ 7,970	\$ 8,051	\$ 8,846	\$ 123,841
<b>Expenditures (3)</b>												
Meter Replacement			\$ 21,073		\$ 2,892							\$ 23,965
Pumping Plant Reconstruction (Chlorinator)				\$ 16,583								\$ 16,583
Condition Assessment	\$ 24,506											\$ 24,506
Internal Loan Repayment (4)		\$ 1,604	\$ 4,281	\$ 6,873	\$ 7,578	\$ 7,578	\$ 7,578	\$ 7,578	\$ 7,578	\$ 6,873	\$ 6,873	\$ 56,815
<b>Total Expenditures</b>	\$ -	\$ 24,506	\$ 22,677	\$ 20,863	\$ 9,765	\$ 7,578	\$ 7,578	\$ 7,578	\$ 7,578	\$ 6,873	\$ 6,873	\$ 121,868
<b>Ending Balance</b>	\$ 8,210	\$ 55	\$ 198	\$ 490	\$ 87	\$ 162	\$ 238	\$ 315	\$ 392	\$ 1,179	\$ 1,973	\$ 1,973

<b>Capital Replacement Charge</b>	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Total
Percent Annual Rate Increase		11.5%	11.5%	11.5%	11.5%	11.5%	0.0%	0.0%	0.0%	0.0%	0.0%	72.3%
Monthly Rates [37 meters]:												
3/4 inch meter [37]	\$ 10.00	\$ 11.15	\$ 12.43	\$ 13.86	\$ 15.46	\$ 17.23	\$ 17.23	\$ 17.23	\$ 17.23	\$ 17.23	\$ 17.23	
1 inch meter	\$ 16.67	\$ 18.59	\$ 20.72	\$ 23.11	\$ 25.77	\$ 28.73	\$ 28.73	\$ 28.73	\$ 28.73	\$ 28.73	\$ 28.73	
1 1/2 inch meter	\$ 33.33	\$ 37.16	\$ 41.44	\$ 46.20	\$ 51.52	\$ 57.44	\$ 57.44	\$ 57.44	\$ 57.44	\$ 57.44	\$ 57.44	
2 inch meter	\$ 53.33	\$ 59.46	\$ 66.30	\$ 73.93	\$ 82.43	\$ 91.91	\$ 91.91	\$ 91.91	\$ 91.91	\$ 91.91	\$ 91.91	
3 inch meter	\$ 100.00	\$ 111.50	\$ 124.32	\$ 138.62	\$ 154.56	\$ 172.34	\$ 172.34	\$ 172.34	\$ 172.34	\$ 172.34	\$ 172.34	
4 inch meter	\$ 166.67	\$ 185.84	\$ 207.21	\$ 231.04	\$ 257.61	\$ 287.23	\$ 287.23	\$ 287.23	\$ 287.23	\$ 287.23	\$ 287.23	
6 inch meter	\$ 333.33	\$ 371.66	\$ 414.40	\$ 462.06	\$ 515.20	\$ 574.45	\$ 574.45	\$ 574.45	\$ 574.45	\$ 574.45	\$ 574.45	

**Notes:**

- (1) Assumes Internal Borrowing of \$11,400 in 2015 repaid over 9 years, \$17,300 in 2016 repaid over 8 years, \$15,000 in 2017 repaid over 7 years, \$2,500 in 2018 repaid over 4 years.
- (2) Interest earnings rate is 1%.
- (3) Construction costs escalated by 3.4% per year, beginning in 2015, based on historical construction cost increases.
- (4) Internal borrowing rate is 5%.

Stocking Ranch Public Water System  
Five Year Annual Rate Increase, 2015-2019

	Period		1	2	3	4	5	6	7	8	9	10	Total
	Year	Year											
<b>Beginning Balance</b>	\$ 2,119	\$ 6,924	\$ 1,884	\$ 77	\$ 121	\$ 322	\$ 845	\$ 1,625	\$ 3,197	\$ 3,956	\$ 5,551	\$ 5,551	\$ 2,119
<b>Source of Funds</b>													
Capital Replacement Charge	\$ 4,760	\$ 5,950	\$ 7,437	\$ 9,297	\$ 11,621	\$ 14,526	\$ 14,526	\$ 14,526	\$ 14,526	\$ 14,526	\$ 14,526	\$ 14,526	\$ 126,222
Internal Loan Proceeds (1)		\$ 25,200				\$ 22,000	\$ 28,000						\$ 75,200
Interest Earnings (2)	\$ 45	\$ -	\$ 10	\$ 1	\$ 2	\$ -	\$ -	\$ 24	\$ 36	\$ 47	\$ 63	\$ 63	\$ 228
<b>Total Source of Funds</b>	<b>\$ 4,805</b>	<b>\$ 31,150</b>	<b>\$ 7,447</b>	<b>\$ 9,298</b>	<b>\$ 11,623</b>	<b>\$ 36,526</b>	<b>\$ 42,526</b>	<b>\$ 14,550</b>	<b>\$ 14,562</b>	<b>\$ 14,573</b>	<b>\$ 14,589</b>	<b>\$ 14,589</b>	<b>\$ 201,650</b>
<b>Total Funds Available</b>	<b>\$ 6,924</b>	<b>\$ 38,074</b>	<b>\$ 9,331</b>	<b>\$ 9,375</b>	<b>\$ 11,744</b>	<b>\$ 36,848</b>	<b>\$ 43,371</b>	<b>\$ 16,175</b>	<b>\$ 17,759</b>	<b>\$ 18,529</b>	<b>\$ 20,141</b>	<b>\$ 20,141</b>	<b>\$ 203,769</b>
<b>Expenditures (3)</b>													
Meter Replacement					\$ 2,168				\$ 826				\$ 2,994
Service Replacement						\$ 36,004							\$ 36,004
Pumping Plant Reconstruction (Planning & Design only) (4)							\$ 36,664						\$ 36,664
SCADA Controls		\$ 20,680											\$ 20,680
Internal Loan Repayment (5)			\$ 9,254	\$ 9,254	\$ 9,254		\$ 5,081	\$ 12,978	\$ 12,978	\$ 12,978	\$ 12,978	\$ 12,978	\$ 84,754
Condition Assessment		\$ 15,510											\$ 15,510
<b>Total Expenditures</b>	<b>\$ -</b>	<b>\$ 36,190</b>	<b>\$ 9,254</b>	<b>\$ 9,254</b>	<b>\$ 11,422</b>	<b>\$ 36,004</b>	<b>\$ 41,746</b>	<b>\$ 12,978</b>	<b>\$ 13,804</b>	<b>\$ 12,978</b>	<b>\$ 12,978</b>	<b>\$ 12,978</b>	<b>\$ 196,606</b>
<b>Ending Balance</b>	<b>\$ 6,924</b>	<b>\$ 1,884</b>	<b>\$ 77</b>	<b>\$ 121</b>	<b>\$ 322</b>	<b>\$ 845</b>	<b>\$ 1,625</b>	<b>\$ 3,197</b>	<b>\$ 3,956</b>	<b>\$ 5,551</b>	<b>\$ 7,163</b>	<b>\$ 7,163</b>	<b>\$ 7,163</b>

<b>Capital Replacement Charge</b>	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Total
Percent Annual Rate Increase		25.0%	25.0%	25.0%	25.0%	25.0%	0.0%	0.0%	0.0%	0.0%	0.0%	205.2%
Monthly Rates [6 meters]:												
3/4 inch meter	\$ 10.00	\$ 12.50	\$ 15.63	\$ 19.53	\$ 24.41	\$ 30.52	\$ 30.52	\$ 30.52	\$ 30.52	\$ 30.52	\$ 30.52	\$ 30.52
1 inch meter [1]	\$ 16.67	\$ 20.84	\$ 26.05	\$ 32.56	\$ 40.70	\$ 50.87	\$ 50.87	\$ 50.87	\$ 50.87	\$ 50.87	\$ 50.87	\$ 50.87
1 1/2 inch meter	\$ 33.33	\$ 41.66	\$ 52.08	\$ 65.10	\$ 81.37	\$ 101.72	\$ 101.72	\$ 101.72	\$ 101.72	\$ 101.72	\$ 101.72	\$ 101.72
2 inch meter [4]	\$ 53.33	\$ 66.66	\$ 83.33	\$ 104.16	\$ 130.20	\$ 162.75	\$ 162.75	\$ 162.75	\$ 162.75	\$ 162.75	\$ 162.75	\$ 162.75
3 inch meter	\$ 100.00	\$ 125.00	\$ 156.25	\$ 195.31	\$ 244.14	\$ 305.18	\$ 305.18	\$ 305.18	\$ 305.18	\$ 305.18	\$ 305.18	\$ 305.18
4 inch meter [1]	\$ 166.67	\$ 208.34	\$ 260.42	\$ 325.53	\$ 406.91	\$ 508.64	\$ 508.64	\$ 508.64	\$ 508.64	\$ 508.64	\$ 508.64	\$ 508.64
6 inch meter	\$ 333.33	\$ 416.66	\$ 520.83	\$ 651.04	\$ 813.79	\$ 1,017.24	\$ 1,017.24	\$ 1,017.24	\$ 1,017.24	\$ 1,017.24	\$ 1,017.24	\$ 1,017.24

**Notes:**

- (1) Assumes Internal Borrowing of \$25,200 in 2015 to be repaid over 3 years, \$22,000 in 2019 repaid over 5 years and \$28,000 in 2020 repaid over 4 years.
- (2) Interest earnings rate is 1%.
- (3) Construction costs escalated by 3.4% per year, beginning in 2015, based on historical construction cost increases.
- (4) Pumping Plant - Planning and design costs only; does not include estimated reconstruction costs of approximately \$294,538 (in 2023 dollars).
- (5) Internal borrowing rate is 5%.

**Tolenas Public Water System**  
**Capital Financing with Outside Loan - Annual Rate Increase 2015-2024**

	Period	1	2	3	4	5	6	7	8	9	10	Total	
	Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023		2024 (3)
<b>Beginning Balance</b>		\$ 21,039	\$ 47,059	\$ 71,328	\$ 100,986	\$ 132,648	\$ 166,435	\$ 202,476	\$ 219,026	\$ 259,768	\$ 303,192	\$ 76,821	\$ 21,039
<b>Source of Funds</b>													
Capital Replacement Charge		\$ 25,681	\$ 27,196	\$ 28,801	\$ 30,500	\$ 32,299	\$ 34,205	\$ 36,223	\$ 38,360	\$ 40,623	\$ 43,020	\$ 45,558	\$ 382,467
Interest Earnings (1)		\$ 339	\$ 589	\$ 857	\$ 1,162	\$ 1,488	\$ 1,835	\$ 2,097	\$ 2,382	\$ 2,801	\$ 1,891	\$ 626	\$ 16,067
Loan Proceeds (2)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 393,000	\$ 393,000
<b>Total Source of Funds</b>		\$ 26,020	\$ 27,785	\$ 29,658	\$ 31,662	\$ 33,787	\$ 36,040	\$ 38,320	\$ 40,742	\$ 43,424	\$ 44,911	\$ 439,184	\$ 791,534
<b>Total Funds Available</b>		\$ 47,059	\$ 74,844	\$ 100,986	\$ 132,648	\$ 166,435	\$ 202,476	\$ 240,796	\$ 259,768	\$ 303,192	\$ 348,103	\$ 516,006	\$ 812,573
<b>Expenditures (4)</b>													
Meter Replacement							\$ 21,770					\$ 135,614	\$ 157,384
Service Replacement										\$ 271,282	\$ 280,505		\$ 551,787
SCADA Controls													\$ -
Condition Assessment			\$ 3,516										\$ 3,516
Loan Repayment (3)												\$ 50,895	\$ 50,895
<b>Total Expenditures</b>		\$ -	\$ 3,516	\$ -	\$ -	\$ -	\$ -	\$ 21,770	\$ -	\$ -	\$ 271,282	\$ 467,014	\$ 763,582
<b>Ending Balance</b>		\$ 47,059	\$ 71,328	\$ 100,986	\$ 132,648	\$ 166,435	\$ 202,476	\$ 219,026	\$ 259,768	\$ 303,192	\$ 76,821	\$ 48,991	\$ 48,991

<b>Capital Replacement Charge</b>	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Total
Percent Annual Rate Increase		5.9%	5.9%	5.9%	5.9%	5.9%	5.9%	5.9%	5.9%	5.9%	5.9%	77.4%
Monthly Rates [181 meters]:												
3/4 inch meter [150]	\$ 10.00	\$ 10.59	\$ 11.21	\$ 11.88	\$ 12.58	\$ 13.32	\$ 14.11	\$ 14.94	\$ 15.82	\$ 16.75	\$ 17.74	
1 inch meter [26]	\$ 16.67	\$ 17.65	\$ 18.70	\$ 19.80	\$ 20.97	\$ 22.20	\$ 23.51	\$ 24.90	\$ 26.37	\$ 27.93	\$ 29.57	
1 1/2 inch meter [3]	\$ 33.33	\$ 35.30	\$ 37.38	\$ 39.58	\$ 41.92	\$ 44.39	\$ 47.01	\$ 49.79	\$ 52.72	\$ 55.83	\$ 59.13	
2 inch meter [2]	\$ 53.33	\$ 56.48	\$ 59.81	\$ 63.34	\$ 67.07	\$ 71.03	\$ 75.22	\$ 79.66	\$ 84.36	\$ 89.34	\$ 94.61	
3 inch meter	\$ 100.00	\$ 105.90	\$ 112.15	\$ 118.76	\$ 125.77	\$ 133.19	\$ 141.05	\$ 149.37	\$ 158.19	\$ 167.52	\$ 177.40	
4 inch meter	\$ 166.67	\$ 176.50	\$ 186.92	\$ 197.95	\$ 209.62	\$ 221.99	\$ 235.09	\$ 248.96	\$ 263.65	\$ 279.20	\$ 295.68	
6 inch meter	\$ 333.33	\$ 353.00	\$ 373.82	\$ 395.88	\$ 419.24	\$ 443.97	\$ 470.16	\$ 497.90	\$ 527.28	\$ 558.39	\$ 591.34	

**Notes:**

- (1) Interest earnings rate is 1%.
- (2) Assumes borrowing \$393,000 in 2024 to be repaid over 10 years at 5% interest.
- (3) Outstanding loan balance at end of 2024 = \$361,923 with \$50,895 annual loan repayments due through 2033.
- (4) Construction costs escalated by 3.4% per year, beginning in 2015, based on historical construction cost increases.