

City of Laguna Beach

AGENDA BILL

No. **9**

Meeting Date: 11/12/19

SUBJECT: WASTEWATER SYSTEM FINANCING PLAN & SEWER USER CHARGE INCREASES

SUMMARY OF THE MATTER:

During the budget workshop in May 2019, the City Council received an update regarding the wastewater treatment and collection system. This update followed a recent settlement of the litigation between the South Orange County Wastewater Authority (SOCWA), City of Laguna Beach, South Coast Water District, and the Emerald Bay Services District versus the Moulton Niguel Water District (MNWD).

Staff is now returning to the City Council with a ten year plan identifying the need for \$21.3 million in capital repairs and replacements to the regional Coastal Treatment Plant operated by the South Orange County Wastewater Authority (SOCWA) and \$22.1 million for the City's pipes, lift stations and transmission lines used to convey wastewater to the treatment plant. A prudent capital improvement program is necessary to maintain the wastewater system in a reliable manner to minimize sewage spills, beach closures, protect ocean water quality and the environment, avoid impacts on the local economy, and avoid regulatory issues. Funding these improvements will require rate increases and the utilization of low-interest loans. This report identifies the necessary improvements and several funding scenarios. In summary, the staff is recommending that the City Council initiate the process to fund the necessary improvements with four six-percent rate increases over the next four years.

WASTEWATER CAPITAL IMPROVEMENT PROGRAM:

The City of Laguna Beach provides sewer service to the businesses and residents from Irvine Cove to the west, north along Laguna Canyon Road up to the condominiums along El Toro Road, and south down to Cardinal Drive. The City's wastewater sewer system consists of four primary elements, the gravity pipe collection system, the pumping systems (25 Lift Stations), odor control systems, and the wastewater treatment plant.

The Water Quality Department's mission is "To safeguard the community's wastewater system and protect the ocean water quality" (See Strategic Plan Attachment 7). The Department works to ensure that the 95 miles of pipelines, 25 lift stations, and 17 urban water diversion units provide reliable wastewater delivery to the SOCWA Coastal Treatment Plant without a spill or beach closure. The Coastal Treatment Plant was

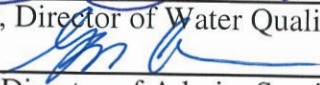
RECOMMENDATION: It is recommended that the City Council: (See Page 6)

Appropriations Requested: \$ _____

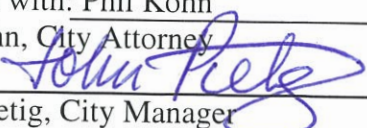
Fund: _____

Attachments: 1-7 listed on page 6

Submitted By: 
David Shissler, Director of Water Quality

Coordinated with: 
Gavin Curran, Director of Admin. Services

Coordinated with: Phil Kohn
Phil Kohn, City Attorney

Approved: 
John Pietig, City Manager

Plant was originally built in 1950 with significant expansions made by 1983. As such, much of the treatment plant is approaching 50 years of age and in need of significant capital rehabilitation, replacements, and upgrades.

Past efforts have resulted in a steady reduction of sewer spills and beach closures. Additional improvements are required to protect the public health and safety, improve the ocean water quality, and protect the marine habitat. The next ten-year capital improvement program, detailed in Attachment 4, includes \$43.4 million in capital improvements, the treatment plant and collection, and conveyance systems.

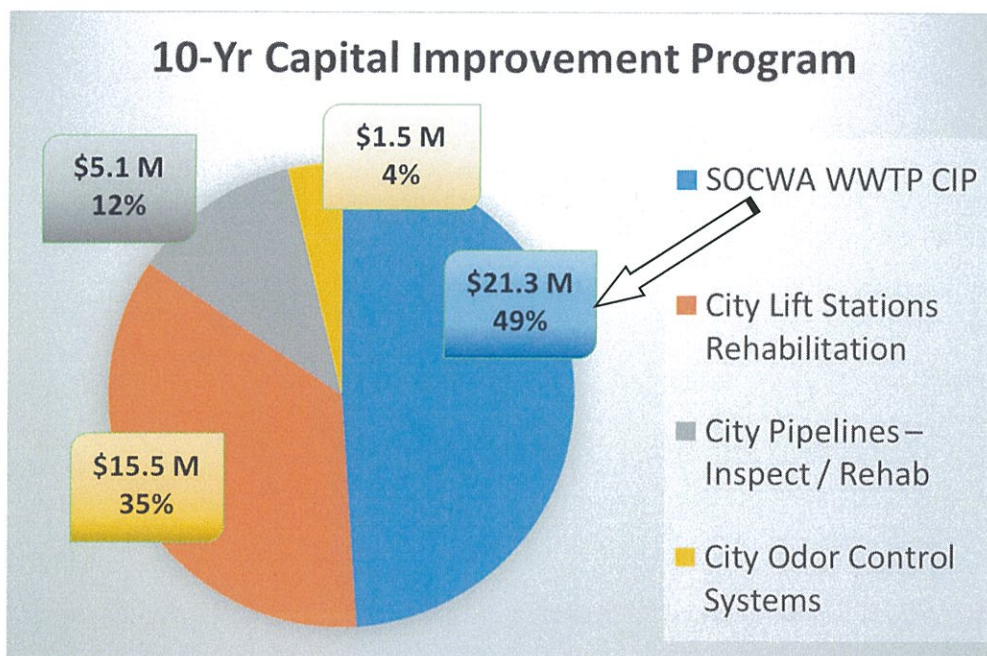
SOCWA Coastal Treatment Plant – The City’s investment in improvements to the wastewater treatment system is programmed at \$21.3 million over the next ten years. As a member of the South Orange County Wastewater Authority (SOCWA), the City shares ownership of regional facilities necessary to daily treat 2.1 million gallons of wastewater at the Coastal Treatment Plant. Solid waste is pumped to the Regional Treatment Plant for drying and disposal. After treatment, the water is either directed to recycling systems operated by the South Coast Water District or discharged back to the ocean to re-enter the water cycle. Attachment 5 provides details of the \$21.3 million SOCWA Capital Improvement Program.

Notably, in 2030, the SOCWA Coastal Treatment Plant contract will expire, and the Moulton Niguel Water District has expressed a desire to terminate their participation in the plant at that time. Over the next ten years, the engineers at SOCWA and other partner agencies will be reviewing alternatives to operate the facility more efficiently and possibly downsize the treatment capacity.

City Collection System – The City’s wastewater collection is also aged and requires rehabilitation, replacement, and upgrades. Over the last decade, most of the oldest facilities in the City have been rehabilitated, replaced, or abandoned. Still, fourteen lift stations are beyond 50 years old and are scheduled for major reconstruction. Enhancements in operations also include odor control system upgrades to mitigate odors that are exacerbated by mandated reductions in water usage over the last several years.

The lining of pipes and incentives for private lateral repairs continue to result in immediate benefits to reduce the number of sewer spills. Sewer spill prevention not only protects the ocean coastline, our living environment, and public health and safety; it benefits the City in reducing the number of backup damage claims and associated increases in insurance premiums. Attachment 4 provides details of the City’s \$22.1 million Wastewater System Capital Improvement Projects List.

The proposed Ten-Year Capital Improvement Program for the wastewater system is provided in Attachment 4; the \$43.4 million in capital improvements are summarized as follows:



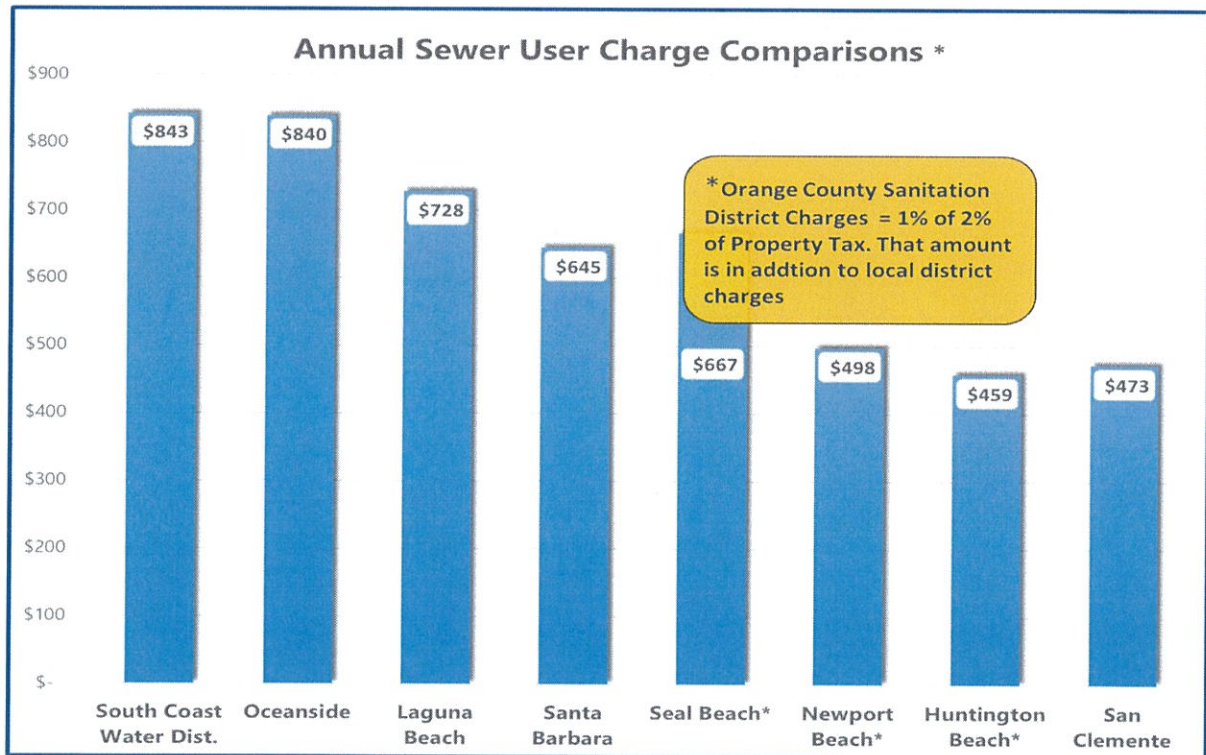
\$43.4 Million Ten-Year Capital Improvement Expenditures (shown in Millions of Dollars)

FINANCIAL ANALYSIS AND RATE COMPARISON

As noted earlier in this report, rate increases are necessary to fund essential improvements to the wastewater system. The proposed \$43.4 million capital improvement program over the next ten years and operating expenses ranging from \$6-8 million a year are shown in Attachment 1. The plan also proposes developing a minimal working capital reserve of \$1.6 million over the ten years. Four annual rate increases of six percent a year are required to fund this program and minimize sewage spills and beach closures and other negative impacts of such events. Attachment 6 reflects the changes in sewer user charges being proposed. The full rate schedule provides charges for each category of user.

The current single-family residential charge of \$60.67 a month is proposed to increase by six percent a year with monthly increases ranging from \$3.67 a month to \$4.33 a month by the fiscal year 2023-24. Other residential and commercial charges will also increase by six percent a year as shown in Attachment 6.

The proposed sewer user charges are comparable with other older coastal agencies. Laguna Beach charges remain lower than the South Coast Water District and Oceanside. Laguna Beach's charges reflect significant replacements to the Coastal Treatment Plant and improvements to many lift stations. Identifying a charge comparison with agencies supported by the Orange County Sanitation District (OCSD) is virtually impossible because the District's rates are subsidized by a separate property tax charge, in addition to the local sewer user charges. The City does not have the information necessary to approximate the true cost of the service. Nonetheless, the current rates are shown to demonstrate the point and do not include the property tax subsidy.



NOTE: The San Clemente Utilities Department assess sewer charges on a fixed flat rate plus a commodity charge based on water usage measured on individual water meters. Their terrain and pipeline system vary significantly as they have more pipelines but enjoy the benefit of having eleven fewer lift stations.

The Financing Plan includes two loans to finance the needed improvements. Securing low-interest loans helps to smooth out peak demands for funds. The staff has considered loan sources from both outside institutions, like IBank and the State Revolving Fund, as well as from City-held reserves (see Attachments 1 & 3 with institutional loans and Attachment 2 with internal loans). The proposed debt service levels were reviewed by the financial advisory firm of Fieldman, Rolapp & Associates, who found the proposed amounts to be within acceptable financial practices.

A working capital reserve of \$1.6 million will be developed over ten years in each of the following plans:

Financing Plan #1 - Staff is recommending a six percent (6%) rate increase each year for the next four years. The details for this plan are provided in Attachment #1.

- Alternative Financing Plan #2: Secure a low-interest loan of \$7.55 million from the Vehicle Replacement and the Insurance Fund. The loan would be repaid in 20 years and would save roughly \$400,000 in total debt service costs compared to Financing Plan #1. This could have adverse consequences if these reserve funds were needed during the 20-year repayment period (see Attachment #2)
- Alternative Financing Plan #3: A 10% rate increase in FY 2020-21 with three subsequent increases of 5%. Compared to Option 1, a larger rate increase in year one could allow for less borrowing in the future or smaller rate increases in the later years compared to Financing Plan #1. (see Attachment #3)

In Alternative Financing Plan #2 and #3, the debt service costs are not significantly different, and the 6% rate increases meet the funding needs for repair, replacement, and maintenance of the system.

CONCLUSIONS

Safeguarding the community's wastewater treatment and collection system, and protecting the ocean water quality, requires a capital improvement program that invests in maintenance and replacement of equipment and infrastructure. The SOCWA treatment plant and the City's collection system are aging and in need of significant improvements. Moving forward to engage sewer user charge increases of six percent for the next four years will ensure less frequent sewer spills, fewer beach closures, security for the local beach economy, and protection of the marine environment and the public health and safety. Furthermore, the City will remain in compliance with regulatory mandates.

NEXT STEPS and TIMELINE FOR SEWER USER CHARGE PROCESSING

The process of engaging new Sewer User Charges requires compliance with Proposition 218. Generally, the timing requires the City Council to provide direction to staff to initiate public notices and a public workshop in early 2020, followed by a protest vote process. The results of the vote and recommendations from staff are expected to be presented to the City Council in May 2020. Any changes in rates must be submitted to the County for placement on the property tax roll by August 10, 2020.

RECOMMENDATION:

It is recommended that the City Council direct the City Manager to:

- 1) Initiate the process to proceed with increases in sewer user charge rates six percent (6%) a year, for each of the next four years, as described in the financial plan included as Attachment 1; and
- 2) Conduct a public workshop and a protest vote process regarding the proposed changes.

Attachment List

1. Recommended Financing Plan #1
2. Alternative Financing Plan #2
3. Alternative Financing Plan #3
4. 10-Yr Sewer System Capital Improvement Program
5. SOCWA Capital Improvement Program
6. Proposed Schedule of Sewer User Charges & Comparisons of Rates

RECOMMENDED FINANCING PLAN #1 - 6% Yr 1-4 RATE INCREASE/ ALL EXTERNAL LOANS

November 12, 2019

ATTACHMENT 1

WASTEWATER SYSTEM FINANCE PLAN FY 2020/21 - 2029/30 (Figures in Thousands)

	Year 0 FY 2019/20	Year 1 FY 2020/21	Year 2 FY 2021/22	Year 3 FY 2022/23	Year 4 FY 2023/24	Year 5 FY 2024/25	Year 6 FY 2025/26	Year 7 FY 2026/27	Year 8 FY 2027/28	Year 9 FY 2028/29	Year 10 FY 2029/30	Yr 1-10 Totals
Available Working Capital Beginning Balance	696	1,261	932	525	1,951	2,435	1,349	2,104	778	2,448	370	
Revenues												
Sewer User Charges	8,605	9,121	9,669	10,249	10,864	11,515	11,976	12,455	12,953	13,471	14,010	116,283
Rate Increase (1)	4.00%	6.00%	6.00%	6.00%	6.00%	6.00%	4.00%	4.00%	4.00%	4.00%	4.00%	50%
Loans												
\$4M Existing Loan 1 (IBank - secured June 2018) (2)	2,100	700										700
\$4.456M Existing Loan 2 (IBank - secured April 2019) (3)	2,688	1,768										1,768
Proposed Additional Loans 3 and 4		3,150	1,650	2,750	2,250							9,800
<i>Loans Subtotal</i>	4,788	5,618	1,650	2,750	2,250							12,268
Other Revenue Sources												
Enterprise Fund Interest Income	15	15	15	15	15	15	15	15	15	15	15	150
Sewer Connection Charges	86	95	95	95	95	95	95	95	95	95	95	950
Emerald Bay Reimbursement (SOCWA PC 23)	15	15	18	15	57	36	15	19	15	15	36	241
Total Estimated Revenues	14,609	14,864	11,447	13,124	13,280	11,661	12,101	12,584	13,078	13,596	14,156	129,892
Expenses												
Operation and Maintenance Expenses												
Operating Expenses (4)	5,790	5,857	6,031	6,212	6,398	6,590	6,788	6,992	7,201	7,417	7,640	67,127
Capital Equipment and Special Projects	20	20	20	30	30	30	30	30	30	30	30	280
Private Sewer Lateral Assistance Program (5)	160	160	30	30	30	30	30	30	30	30	30	430
Assumed Additional Insurance Premium (6)	150	150	150	150	150	150	150	150	150	150	150	1,500
County Collection Charges	25	25	27	27	30	30	30	30	35	35	35	304
<i>Operating Subtotal</i>	6,145	6,212	6,258	6,449	6,638	6,830	7,028	7,232	7,446	7,662	7,885	69,641
Capital Improvement Expenses												
CLB - Collection System	2,068	4,358	1,710	2,750	1,350	690	1,000	3,500	830	3,000	750	19,938
SOCWA - Wastewater Treatment (7)												
PC 15 Projects (Coastal Treatment Plant)	4,671	3,036	1,717	539	1,446	1,317	1,213	1,178	1,233	2,311	1,659	15,649
PC 17 Projects (Regional)	251	130	520	179	424	1,846	394	292	356	290	97	4,528
PC 24 Projects (Outfall)	12	6	0	7	0	19	166	65	0	869	0	1,132
PC 23 Projects (North Coast Interceptor & SOCWA Stations)	0	0	80	0	1,000	500	0	100	0	0	500	2,180
Emergency Working Capital Reserve	100	100	100	100	100	200	200	200	200	200	200	1,600
<i>Capital Improvement Subtotal</i>	7,102	7,630	4,127	3,575	4,320	4,572	2,973	5,335	2,619	6,670	3,206	45,027
Debt Service												
Ex. Ibank Loan Debt Service (2004)	498	497	495	494	492							1,978
\$4M Existing Loan 1 Debt Service (2018)	299	299	298	297	297	296	296	295	294	293	292	2,957
\$4.456M Existing Loan 2 Debt Service (2019)		334	333	333	333	333	333	333	333	333	333	3,331
Proposed Additional Loans 3 and 4 Debt Service		222	342	550	716	716	716	716	716	716	716	6,126
<i>Debt Service Subtotal</i>	797	1,352	1,468	1,674	1,838	1,345	1,345	1,344	1,343	1,342	1,341	14,392
Total Estimated Expenses	14,044	15,194	11,853	11,698	12,796	12,747	11,346	13,911	11,408	15,674	12,432	129,060
Revenues - Expenses	565	(330)	(406)	1,426	484	(1,086)	755	(1,326)	1,670	(2,078)	1,724	
Available Working Capital Ending Balance	1,261	932	525	1,951	2,435	1,349	2,104	778	2,448	370	2,094	
Working Capital Reserve (Goal 20% of Expenditures)	100	200	300	400	500	700	900	1,100	1,300	1,500	1,700	
Percentage of Expenditures	1%	1%	3%	3%	4%	5%	8%	8%	11%	10%	14%	

Notes:

1. Sewer User Charges increases are being considered in years 1-4.
2. Existing \$4M Ibank loan has an interest rate of 3.4%. Payments begin 6/2018 and end 6/2038.
3. Existing \$4.456M Ibank loan has an interest rate of 3.45%. Payments began 6/2019 and end 6/2039.
4. The Operating expenses include a 3% inflation adjustment.
5. Private Sewer Lateral Incentive Program (PSLP) sunsets in Year 1. The plan includes 30k available each year for the PSLP Incentive Program yr 2-10.
6. There is \$250k in the annual operating expenses for insurance. This line item covers assumed additional insurance based on increase in claims.
7. 10-Yr finance plan assumes MNWD is included in SOCWA PC 15 agreement. Reference SOCWA Ten Year Proposed Budget dated 8/6/19.

ALTERNATIVE FINANCING PLAN #2 - 5.75% Yr 1-4 RATE INCREASE/ INTERNAL LOAN #3

November 12, 2019

ATTACHMENT 2

WASTEWATER SYSTEM FINANCE PLAN FY 2020/21 - 2029/30 (Figures in Thousands)

	Year 0 FY 2019/20	Year 1 FY 2020/21	Year 2 FY 2021/22	Year 3 FY 2022/23	Year 4 FY 2023/24	Year 5 FY 2024/25	Year 6 FY 2025/26	Year 7 FY 2026/27	Year 8 FY 2027/28	Year 9 FY 2028/29	Year 10 FY 2029/30	Yr 1-10 Totals
Available Working Capital Beginning Balance	696	1,261	930	508	1,908	2,337	1,162	1,852	486	2,143	83	
Revenues												
Sewer User Charges	8,605	9,100	9,623	10,176	10,761	11,380	11,864	12,368	12,894	13,442	14,013	115,621
Rate Increase (1)	4.00%	5.75%	5.75%	5.75%	5.75%	5.75%	4.25%	4.25%	4.25%	4.25%	4.25%	50%
Loans												
\$4M Existing Loan 1 (IBank - secured June 2018) (2)	2,100	700										700
\$4.456M Existing Loan 2 (IBank - secured April 2019) (3)	2,688	1,768										1,768
Proposed Additional Loans 3 and 4		3,150	1,650	2,750	2,250							9,800
<i>Loans Subtotal</i>	4,788	5,618	1,650	2,750	2,250							12,268
Other Revenue Sources												
Enterprise Fund Interest Income	15	15	15	15	15	15	15	15	15	15	15	150
Sewer Connection Charges	86	95	95	95	95	95	95	95	95	95	95	950
Emerald Bay Reimbursement (SOCWA PC 23)	15	15	18	15	57	36	15	19	15	15	36	241
Total Estimated Revenues	14,609	14,843	11,401	13,051	13,178	11,526	11,989	12,497	13,019	13,567	14,159	129,230
Expenses												
Operation and Maintenance Expenses												
Operating Expenses (4)	5,790	5,857	6,031	6,212	6,398	6,590	6,788	6,992	7,201	7,417	7,640	67,127
Capital Equipment and Special Projects	20	20	20	30	30	30	30	30	30	30	30	280
Private Sewer Lateral Assistance Program (5)	160	160	30	30	30	30	30	30	30	30	30	430
Assumed Additional Insurance Premium (6)	150	150	150	150	150	150	150	150	150	150	150	1,500
County Collection Charges	25	25	27	27	30	30	30	30	35	35	35	304
<i>Operating Subtotal</i>	6,145	6,212	6,258	6,449	6,638	6,830	7,028	7,232	7,446	7,662	7,885	69,641
Capital Improvement Expenses												
CLB - Collection System	2,068	4,358	1,710	2,750	1,350	690	1,000	3,500	830	3,000	750	19,938
SOCWA - Wastewater Treatment (7)												
PC 15 Projects (Coastal Treatment Plant)	4,671	3,036	1,717	539	1,446	1,317	1,213	1,178	1,233	2,311	1,659	15,649
PC 17 Projects (Regional)	251	130	520	179	424	1,846	394	292	356	290	97	4,528
PC 24 Projects (Outfall)	12	6	0	7	0	19	166	65	0	869	0	1,132
PC 23 Projects (North Coast Interceptor & SOCWA Stations)	0	0	80	0	1,000	500	0	100	0	0	500	2,180
Emergency Working Capital Reserve	100	100	100	100	100	200	200	200	200	200	200	1,600
<i>Capital Improvement Subtotal</i>	7,102	7,630	4,127	3,575	4,320	4,572	2,973	5,335	2,619	6,670	3,206	45,027
Debt Service												
Ex. Ibank Loan Debt Service (2004)	498	497	495	494	492							1,978
\$4M Existing Loan 1 Debt Service (2018)	299	299	298	297	297	296	296	295	294	293	292	2,957
\$4.456M Existing Loan 2 Debt Service (2019)		334	333	333	333	333	333	333	333	333	333	3,331
Proposed Additional Loans 3 and 4 Debt Service		202	312	504	669	669	669	669	669	669	669	5,701
<i>Debt Service Subtotal</i>	797	1,332	1,438	1,628	1,791	1,298	1,298	1,297	1,296	1,295	1,294	13,967
Total Estimated Expenses	14,044	15,174	11,823	11,652	12,749	12,700	11,299	13,864	11,361	15,627	12,385	128,635
Revenues - Expenses	565	(331)	(422)	1,399	429	(1,174)	690	(1,366)	1,657	(2,061)	1,774	
Available Working Capital Ending Balance	1,261	930	508	1,908	2,337	1,162	1,852	486	2,143	83	1,857	
Working Capital Reserve (Goal 20% of Expenditures)	100	200	300	400	500	700	900	1,100	1,300	1,500	1,700	
Percentage of Expenditures	1%	1%	3%	3%	4%	6%	8%	8%	11%	10%	14%	

Notes:

1. Sewer User Charges increases are being considered in years 1-4.
2. Existing \$4M Ibank loan has an interest rate of 3.4%. Payments begin 6/2018 and end 6/2038.
3. Existing \$4.456M Ibank loan has an interest rate of 3.45%. Payments began 6/2019 and end 6/2039.
4. The Operating expenses include a 3% inflation adjustment.
5. Private Sewer Lateral Incentive Program (PSLP) sunsets in Year 1. The plan includes 30k available each year for the PSLP Incentive Program yr 2-10.
6. There is \$250k in the annual operating expenses for insurance. This line item covers assumed additional insurance based on increase in claims.
7. 10-Yr finance plan assumes MNWD is included in SOCWA PC 15 agreement. Reference SOCWA Ten Year Proposed Budget dated 8/6/19.

ALTERNATIVE FINANCING PLAN #3 - 10% Yr 1, 5% Yr 2-4 RATE INCREASE/ALL EXTERNAL LOANS

November 12, 2019

ATTACHMENT 3

WASTEWATER SYSTEM FINANCE PLAN FY 2020/21 - 2029/30 (Figures in Thousands)

	Year 0 FY 2019/20	Year 1 FY 2020/21	Year 2 FY 2021/22	Year 3 FY 2022/23	Year 4 FY 2023/24	Year 5 FY 2024/25	Year 6 FY 2025/26	Year 7 FY 2026/27	Year 8 FY 2027/28	Year 9 FY 2028/29	Year 10 FY 2029/30	Yr 1-10 Totals
Available Working Capital Beginning Balance	696	1,261	1,276	1,140	2,753	3,330	2,125	2,755	1,300	2,835	617	
Revenues												
Sewer User Charges	8,605	9,465	9,939	10,436	10,957	11,396	11,852	12,326	12,819	13,331	13,865	116,385
Rate Increase (1)	4.00%	10.00%	5.00%	5.00%	5.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	49%
Loans												
\$4M Existing Loan 1 (IBank - secured June 2018) (2)	2,100	700										700
\$4.456M Existing Loan 2 (IBank - secured April 2019) (3)	2,688	1,768										1,768
Proposed Additional Loans 3 and 4		3,150	1,650	2,750	2,250							9,800
<i>Loans Subtotal</i>	<i>4,788</i>	<i>5,618</i>	<i>1,650</i>	<i>2,750</i>	<i>2,250</i>							<i>12,268</i>
Other Revenue Sources												
Enterprise Fund Interest Income	15	15	15	15	15	15	15	15	15	15	15	150
Sewer Connection Charges	86	95	95	95	95	95	95	95	95	95	95	950
Emerald Bay Reimbursement (SOCWA PC 23)	15	15	18	15	57	36	15	19	15	15	36	241
Total Estimated Revenues	14,609	15,208	11,717	13,311	13,374	11,542	11,977	12,455	12,944	13,456	14,011	129,994
Expenses												
Operation and Maintenance Expenses												
Operating Expenses (4)	5,790	5,857	6,031	6,212	6,398	6,590	6,788	6,992	7,201	7,417	7,640	67,127
Capital Equipment and Special Projects	20	20	20	30	30	30	30	30	30	30	30	280
Private Sewer Lateral Assistance Program (5)	160	160	30	30	30	30	30	30	30	30	30	430
Assumed Additional Insurance Premium (6)	150	150	150	150	150	150	150	150	150	150	150	1,500
County Collection Charges	25	25	27	27	30	30	30	30	35	35	35	304
<i>Operating Subtotal</i>	<i>6,145</i>	<i>6,212</i>	<i>6,258</i>	<i>6,449</i>	<i>6,638</i>	<i>6,830</i>	<i>7,028</i>	<i>7,232</i>	<i>7,446</i>	<i>7,662</i>	<i>7,885</i>	<i>69,641</i>
Capital Improvement Expenses												
CLB - Collection System	2,068	4,358	1,710	2,750	1,350	690	1,000	3,500	830	3,000	750	19,938
SOCWA - Wastewater Treatment (7)												
PC 15 Projects (Coastal Treatment Plant)	4,671	3,036	1,717	539	1,446	1,317	1,213	1,178	1,233	2,311	1,659	15,649
PC 17 Projects (Regional)	251	130	520	179	424	1,846	394	292	356	290	97	4,528
PC 24 Projects (Outfall)	12	6	0	7	0	19	166	65	0	869	0	1,132
PC 23 Projects (North Coast Interceptor & SOCWA Stations)	0	0	80	0	1,000	500	0	100	0	0	500	2,180
Emergency Working Capital Reserve	100	100	100	100	100	200	200	200	200	200	200	1,600
<i>Capital Improvement Subtotal</i>	<i>7,102</i>	<i>7,630</i>	<i>4,127</i>	<i>3,575</i>	<i>4,320</i>	<i>4,572</i>	<i>2,973</i>	<i>5,335</i>	<i>2,619</i>	<i>6,670</i>	<i>3,206</i>	<i>45,027</i>
Debt Service												
Ex. Ibank Loan Debt Service (2004)	498	497	495	494	492							1,978
\$4M Existing Loan 1 Debt Service (2018)	299	299	298	297	297	296	296	295	294	293	292	2,957
\$4.456M Existing Loan 2 Debt Service (2019)		334	333	333	333	333	333	333	333	333	333	3,331
Proposed Additional Loans 3 and 4 Debt Service		222	342	550	716	716	716	716	716	716	716	6,126
<i>Debt Service Subtotal</i>	<i>797</i>	<i>1,352</i>	<i>1,468</i>	<i>1,674</i>	<i>1,838</i>	<i>1,345</i>	<i>1,345</i>	<i>1,344</i>	<i>1,343</i>	<i>1,342</i>	<i>1,341</i>	<i>14,392</i>
Total Estimated Expenses	14,044	15,194	11,853	11,698	12,796	12,747	11,346	13,911	11,408	15,674	12,432	129,060
Revenues - Expenses	565	14	(136)	1,613	578	(1,206)	631	(1,456)	1,535	(2,218)	1,579	
Available Working Capital Ending Balance	1,261	1,276	1,140	2,753	3,330	2,125	2,755	1,300	2,835	617	2,196	
Working Capital Reserve (Goal 20% of Expenditures)	100	200	300	400	500	700	900	1,100	1,300	1,500	1,700	
Percentage of Expenditures	1%	1%	3%	3%	4%	5%	8%	8%	11%	10%	14%	

Notes:

1. Sewer User Charges increases are being considered in years 1-4.
2. Existing \$4M Ibank loan has an interest rate of 3.4%. Payments begin 6/2018 and end 6/2038.
3. Existing \$4.456M Ibank loan has an interest rate of 3.45%. Payments began 6/2019 and end 6/2039.
4. The Operating expenses include a 3% inflation adjustment.
5. Private Sewer Lateral Incentive Program (PSLP) sunsets in Year 1. The plan includes 30k available each year for the PSLP Incentive Program yr 2-10.
6. There is \$250k in the annual operating expenses for insurance. This line item covers assumed additional insurance based on increase in claims.
7. 10-Yr finance plan assumes MNWD is included in SOCWA PC 15 agreement. Reference SOCWA Ten Year Proposed Budget dated 8/6/19.

PROPOSED WASTEWATER SYSTEM CAPITAL IMPROVEMENT PROJECTS LIST FY 2020/21 - 2029/30

November 12, 2019

ATTACHMENT 4

Year No.	Fiscal Year	Project ID	Type of Project	Capital Improvement Project Description	Division 3301 Costs	Division 3302 Costs (PC 23)	SOCWA (Excluding PC 23)
1	2020-2021	20-100	P	Forest Avenue Pipeline Replacement Project Design	\$ 150,000		
		20-101	P	Pipeline Rehabilitation (Zone 3)	\$ 1,070,000		
		20-102	P	CCTV Inspection of Collection System (Zone 5)	\$ 138,000		
		20-103	P	Siphon Inspection Project	\$ 500,000		
		20-104	L	Anita Street Lift Station Reconstruction Construction	\$ 2,500,000		
		20-105	T	SOCWA Capital Projects			\$ 3,172,000
Year 1 Subtotal:					\$ 4,358,000	\$ -	\$ 3,172,000
2	2021-2022	21-100	P	Forest Avenue Pipeline Replacement Project Construction	\$ 400,000		
		21-101	P	Pipeline Rehabilitation (Zone 5)	\$ 1,000,000		
		21-102	L	Bluebird Canyon Lift Station Reconstruction Design	\$ 250,000		
		21-103	L	VFD Replacements at Laguna SOCWA and Bluebird SOCWA		\$ 80,000	
		21-104	L	Miscellaneous Operational Improvements at Main Beach Lift Station	\$ 60,000		
		21-105	T	SOCWA Capital Projects			\$ 2,237,000
Year 2 Subtotal:					\$ 1,710,000	\$ 80,000	\$ 2,237,000
3	2022-2023	22-100	P	Forcemain Inspection Project	\$ 250,000		
		22-101	L	Bluebird Canyon Lift Station Reconstruction Construction	\$ 2,500,000		
		22-102	T	SOCWA Capital Projects			\$ 725,000
Year 3 Subtotal:					\$ 2,750,000	\$ -	\$ 725,000
4	2023-2024	23-100	L	Victoria II Lift Station Rehabilitation Design	\$ 100,000		
		23-101	L	SCADA Radio System Replacement	\$ 250,000		
		23-102	L	Emergency Onsite Generator Replacement at Bluebird SOCWA		\$ 250,000	
		23-103	L	VFD Conversions at SOCWA Lift Stations		\$ 250,000	
		23-104	P	5-Yr CCTV Inspection of Collection System and Manholes	\$ 1,000,000		
		23-105	O	O2 Odor Control System Upgrades at Bluebird SOCWA		\$ 500,000	
		23-106	T	SOCWA Capital Projects			\$ 1,870,000
Year 4 Subtotal:					\$ 1,350,000	\$ 1,000,000	\$ 1,870,000
5	2024-2025	24-100	L	Victoria II Lift Station Rehabilitation Construction	\$ 500,000		
		24-101	L	Fishermans Lift Station Structural Rehabilitation Design	\$ 90,000		
		24-102	L	Top of the World Onsite Generator Replacement and Backup Power Extension to Bernard Court Lift Station Design	\$ 100,000		
		24-103	O	O2 Odor Control System Upgrades at Laguna SOCWA SOCWA		\$ 500,000	
		24-104	T	SOCWA Capital Projects			\$ 3,182,000
Year 5 Subtotal:					\$ 690,000	\$ 500,000	\$ 3,182,000
6	2025-2026	25-100	L	Fishermans Lift Station Structural Rehabilitation Construction	\$ 250,000		
		25-101	L	Pearl Lift Station Rehabilitation and Generator Installation Design	\$ 250,000		
		25-102	L	Portable Generator Quick Connect Pedestal at every Lift Station with an Onsite Generator	\$ 500,000		
		25-103	T	SOCWA Capital Projects			\$ 1,773,000
Year 6 Subtotal:					\$ 1,000,000	\$ -	\$ 1,773,000
7	2026-2027	26-100	L	Top of the World Onsite Generator Replacement and Backup Power Extension to Bernard Court Lift Station Construction	\$ 500,000		
		26-101	L	VFD Replacements at Laguna SOCWA and Bluebird SOCWA		\$ 100,000	
		26-102	L	Pearl Lift Station Rehabilitation and Generator Installation Construction	\$ 3,000,000		
		26-103	T	SOCWA Capital Projects			\$ 1,535,000
Year 7 Subtotal:					\$ 3,500,000	\$ 100,000	\$ 1,535,000
8	2027-2028	27-100	L	Cleo Street Lift Station Rehabilitation Design	\$ 250,000		
		27-101	L	Bernard Court Wet Well Access Retrofit	\$ 500,000		
		27-102	O	Odor Control at North Laguna Siphon on Coast Hwy Design	\$ 80,000		
		27-103	T	SOCWA Capital Projects			\$ 1,589,000
Year 8 Subtotal:					\$ 830,000	\$ -	\$ 1,589,000
9	2028-2029	28-100	L	Cleo Street Lift Station Rehabilitation Construction	\$ 2,500,000		
		28-101	O	Odor Control at North Laguna Siphon on Coast Hwy Construction	\$ 500,000		
		28-102	T	SOCWA Capital Projects			\$ 3,470,000
Year 9 Subtotal:					\$ 3,000,000	\$ -	\$ 3,470,000
10	2029-2030	29-100	L	Pump Replacement at Laguna and Bluebird SOCWA		\$ 500,000	
		29-101	L	Irvine Cove Lift Station Rehabilitation Design	\$ 250,000		
		29-102	P	Collection System Manhole Rehabilitations	\$ 500,000		
		29-103	T	SOCWA Capital Projects			\$ 1,756,000
Year 10 Subtotal:					\$ 750,000	\$ 500,000	\$ 1,756,000
Sub Totals:					\$ 19,938,000	\$ 2,180,000	\$ 21,309,000
Total Capital Projects:					\$ 43,427,000		

Totals	Type of Project	Description
\$ 15,530,000	L	Total Budgeted for Lift Station Projects
\$ 5,008,000	P	Total Budgeted for Collection System (Pipeline) Improvement Projects
\$ 1,580,000	O	Total Budgeted for Odor Control Improvement Projects
\$ 21,309,000	T	Total Budgeted for SOCWA WWTP Improvement Projects
\$ 43,427,000		Total Budgeted for all Capital Improvement Projects (Totals Check)

Table 8.5 - Annual Capital Improvement Budget - CLB

ATTACHMENT 5

Year	Fiscal Year	PC 15		PC 15 Total	PC 17				PC 17 Total	PC 24	PC 24 Total	Grand Total
		Liquids	AWT		Liquids	Common	Solids	AWT				
1	2020	\$ 4,671,080	\$ -	\$ 4,671,080	\$ -	\$ 29,638	\$ 221,500	\$ -	\$ 251,138	\$ 11,688	\$ 11,688	\$ 4,933,906
2	2021	\$ 3,036,299		\$ 3,036,299	\$ -	\$ 81,971	\$ 48,250	\$ -	\$ 130,222	\$ 5,577	\$ 5,577	\$ 3,172,098
3	2022	\$ 1,717,325	\$ -	\$ 1,717,325	\$ -	\$ 150,963	\$ 369,179	\$ -	\$ 520,142			\$ 2,237,468
4	2023	\$ 538,858	\$ -	\$ 538,858	\$ -	\$ 129,772	\$ 49,044	\$ -	\$ 178,817	\$ 7,366	\$ 7,366	\$ 725,041
5	2024	\$ 1,446,331	\$ -	\$ 1,446,331	\$ -	\$ 358,813	\$ 64,836	\$ -	\$ 423,649			\$ 1,869,979
6	2025	\$ 1,317,036	\$ -	\$ 1,317,036	\$ -	\$ 12,110	\$1,833,468	\$ -	\$1,845,579	\$ 19,038	\$ 19,038	\$ 3,181,653
7	2026	\$ 1,213,351	\$ -	\$ 1,213,351	\$ -	\$ 257,878	\$ 135,867	\$ -	\$ 393,744	\$ 267	\$ 267	\$ 1,607,363
8	2027	\$ 1,178,246	\$ -	\$ 1,178,246	\$ -	\$ 261,608	\$ 30,773	\$ -	\$ 292,381	\$ 64,946	\$ 64,946	\$ 1,535,574
9	2028	\$ 1,232,943	\$ -	\$ 1,232,943	\$ -	\$ 58,265	\$ 297,236	\$ -	\$ 355,501			\$ 1,588,444
10	2029	\$ 2,310,933	\$ -	\$ 2,310,933	\$ -	\$ 257,319	\$ 32,774	\$ -	\$ 290,093	\$868,599	\$ 868,599	\$ 3,469,626
11	2030	\$ 1,658,838	\$ -	\$ 1,658,838	\$ -	\$ 14,176	\$ 83,275	\$ -	\$ 97,451			\$ 1,756,290
12	2031	\$ 1,161,963	\$ -	\$ 1,161,963	\$ -	\$ 14,629	\$2,443,690	\$ -	\$2,458,319			\$ 3,620,282
13	2032	\$ 1,972,287	\$ -	\$ 1,972,287	\$ -	\$ 15,098	\$ 170,533	\$ -	\$ 185,631			\$ 2,157,918
14	2033	\$ 1,268,363	\$ -	\$ 1,268,363	\$ -	\$ 15,581	\$ 37,175	\$ -	\$ 52,756			\$ 1,321,119
15	2034	\$ 3,096,003	\$ -	\$ 3,096,003	\$ -	\$ 251,698	\$ 38,365	\$ -	\$ 290,063	\$ 16,645	\$ 16,645	\$ 3,402,711
Grand Total		\$ 27,819,859	\$ -	\$27,819,859	\$ -	\$1,909,520	\$5,855,965	\$ -	\$7,765,485	\$994,127	\$ 994,127	\$36,579,471
Ten Year Total		\$ 18,662,404	##	\$18,662,404	\$ -	\$1,598,338	\$3,082,928	##	\$4,681,265	\$977,482	\$ 977,482	\$24,321,152

Table F.5 - Coastal Treatment Plant Capital Improvement Plan (PC 15)

Project date	Project code	Capital Projects	Project cost	Project cost inflation adjusted	Project cost (adjusted) MNWD	Project cost (adjusted) SCWD	Project cost (adjusted) CLB	Project cost (adjusted) EBSD
YEAR 1 ('19/'20)								
	3525-000	Personnel Building Reconstruction	\$ 69,000	\$ 69,000	\$ 20,000	\$ 21,000	\$ 26,000	\$ 2,000
	3539-000	Facility Improvements Construction Part I	\$ 6,972,000	\$ 6,972,000	\$ 2,040,000	\$ 2,081,000	\$ 2,643,000	\$ 208,000
	3541-000	Export Sludge System Reconstruction	\$ 4,522,000	\$ 4,522,000	\$ 1,323,000	\$ 1,350,000	\$ 1,714,000	\$ 135,000
	3553-000	Plant Drainage Improvements	\$ 81,000	\$ 81,000	\$ 24,000	\$ 24,000	\$ 31,000	\$ 2,000
	4501-000	Electrical Manhole/Cable Assessment	\$ 61,000	\$ 61,000	\$ 18,000	\$ 18,000	\$ 23,000	\$ 2,000
	4502-000	Building Roof Condition Assessment	\$ 35,000	\$ 35,000	\$ 10,000	\$ 11,000	\$ 13,000	\$ 1,000
		Small Cap Liquids	\$ 581,000	\$ 581,000	\$ 170,000	\$ 173,000	\$ 220,000	\$ 17,000
		Small Cap AWT	\$ 40,000	\$ 40,000	\$ -	\$ 40,000	\$ -	\$ -
	TOTALS	\$ 12,361,000	\$ 12,361,000	\$ 3,604,000	\$ 3,718,000	\$ 4,671,000	\$ 368,000	

Table F.5 - Coastal Treatment Plant Capital Improvement Plan (PC 15)

Project date	Project code	Capital Projects	Project cost	Project cost inflation adjusted	Project cost (adjusted) MNWD	Project cost (adjusted) SCWD	Project cost (adjusted) CLB	Project cost (adjusted) EBSD
YEAR 2 ('20/'21)								
	15137	Foul Air System Condition Assessment	\$ 75,000	\$ 76,000	\$ 22,000	\$ 23,000	\$ 29,000	\$ 2,000
	15138	Scum Pump Station Condition Assessment	\$ 50,000	\$ 51,000	\$ 15,000	\$ 15,000	\$ 19,000	\$ 2,000
	15139	Buried Utility Master Plan	\$ 75,000	\$ 76,000	\$ 22,000	\$ 23,000	\$ 29,000	\$ 2,000
	3542-000	South Section Embankment Protection	\$ 105,000	\$ 105,000	\$ 31,000	\$ 31,000	\$ 40,000	\$ 3,000
	3544-000	Aeration Upgrade Construction - Part I	\$ 2,352,000	\$ 2,352,000	\$ 688,000	\$ 702,000	\$ 892,000	\$ 70,000
	3545-000	Facility Improvements Construction Part II	\$ 4,665,000	\$ 4,665,000	\$ 1,365,000	\$ 1,392,000	\$ 1,768,000	\$ 139,000
	4503-000	Site Storage Evaluation	\$ 50,000	\$ 50,000	\$ 15,000	\$ 15,000	\$ 19,000	\$ 1,000
		Small Cap Liquids	\$ 569,000	\$ 569,000	\$ 166,000	\$ 170,000	\$ 216,000	\$ 17,000
		Small Cap AWT	\$ 65,000	\$ 65,000	\$ 19,000	\$ 19,000	\$ 25,000	\$ 2,000
	TOTALS	\$ 8,005,000	\$ 8,009,000	\$ 2,343,000	\$ 2,391,000	\$ 3,036,000	\$ 239,000	

Table F.5 - Coastal Treatment Plant Capital Improvement Plan (PC 15)

Project date	Project code	Capital Projects	Project cost	Project cost inflation adjusted	Project cost (adjusted) MNWD	Project cost (adjusted) SCWD	Project cost (adjusted) CLB	Project cost (adjusted) EBSD
YEAR 3 ('21/'22)								
	15103	Auxiliary Blower and Maintenance Building Roofs	\$ 157,000	\$ 165,000	\$ 48,000	\$ 49,000	\$ 63,000	\$ 5,000
	15137	Headworks Condition Assessment	\$ 95,000	\$ 100,000	\$ 29,000	\$ 30,000	\$ 38,000	\$ 3,000
	15138	Spatial Utilization Analysis	\$ 75,000	\$ 79,000	\$ 23,000	\$ 24,000	\$ 30,000	\$ 2,000
	15140	Aeration Upgrade Construction - Part II	\$ 2,864,000	\$ 3,014,000	\$ 882,000	\$ 900,000	\$ 1,143,000	\$ 90,000
	15818	Contact Basin Gate	\$ 221,000	\$ 232,000	\$ 68,000	\$ 69,000	\$ 88,000	\$ 7,000
	3543-000	Export Sludge Pipeline Replacement at RTP	\$ 335,000	\$ 353,000	\$ 103,000	\$ 105,000	\$ 134,000	\$ 11,000
		Small Cap Liquids	\$ 569,000	\$ 587,000	\$ 172,000	\$ 175,000	\$ 223,000	\$ 18,000
		Small Cap AWT	\$ 65,000	\$ 67,000	\$ -	\$ 67,000	\$ -	\$ -
		TOTALS	\$ 4,380,000	\$ 4,597,000	\$ 1,325,000	\$ 1,419,000	\$ 1,717,000	\$ 135,000

Table F.5 - Coastal Treatment Plant Capital Improvement Plan (PC 15)

Project date	Project code	Capital Projects	Project cost	Project cost inflation adjusted	Project cost (adjusted) MNWD	Project cost (adjusted) SCWD	Project cost (adjusted) CLB	Project cost (adjusted) EBSD
YEAR 4 ('22/'23)								
	15102	Odor Control Scrubber/Foul Air System Reconstruction	\$ 329,000	\$ 367,000	\$ 107,000	\$ 110,000	\$ 139,000	\$ 11,000
	15108	Scum Pump Station and Wet Well	\$ 268,000	\$ 299,000	\$ 87,000	\$ 89,000	\$ 113,000	\$ 9,000
	15125	Vehicle Storage Building Mezzanine Upgrades	\$ 59,000	\$ 65,000	\$ 19,000	\$ 20,000	\$ 25,000	\$ 2,000
	15143	RAS/WAS Pump Station Condition Assessment	\$ 75,000	\$ 84,000	\$ 24,000	\$ 25,000	\$ 32,000	\$ 2,000
		Small Cap Liquids	\$ 569,000	\$ 606,000	\$ 177,000	\$ 181,000	\$ 230,000	\$ 18,000
		Small Cap AWT	\$ 65,000	\$ 69,000	\$ -	\$ 69,000	\$ -	\$ -
	TOTALS	\$ 1,365,000	\$ 1,490,000	\$ 416,000	\$ 493,000	\$ 539,000	\$ 42,000	

Table F.5 - Coastal Treatment Plant Capital Improvement Plan (PC 15)

Project date	Project code	Capital Projects	Project cost	Project cost inflation adjusted	Project cost (adjusted) MNWD	Project cost (adjusted) SCWD	Project cost (adjusted) CLB	Project cost (adjusted) EBSD
YEAR 5 ('23/'24)								
	15102	Odor Control Scrubber/Foul Air System Reconstruction	\$ 1,448,000	\$ 1,653,000	\$ 483,000	\$ 493,000	\$ 627,000	\$ 49,000
	15105	Headworks Screen Drum Replacement	\$ 630,000	\$ 719,000	\$ 210,000	\$ 215,000	\$ 273,000	\$ 21,000
	15119	Maintenance Building Upgrade	\$ 646,000	\$ 737,000	\$ 216,000	\$ 220,000	\$ 280,000	\$ 22,000
	15144	Standby Power Condition Assessment	\$ 65,000	\$ 74,000	\$ 22,000	\$ 22,000	\$ 28,000	\$ 2,000
		Small Cap Liquids	\$ 569,000	\$ 625,000	\$ 183,000	\$ 187,000	\$ 237,000	\$ 19,000
		Small Cap AWT	\$ 65,000	\$ 71,000	\$ -	\$ 71,000	\$ -	\$ -
		TOTALS	\$ 3,423,000	\$ 3,881,000	\$ 1,114,000	\$ 1,209,000	\$ 1,444,000	\$ 114,000

Table F.5 - Coastal Treatment Plant Capital Improvement Plan (PC 15)

Project date	Project code	Capital Projects	Project cost	Project cost inflation adjusted	Project cost (adjusted) MNWD	Project cost (adjusted) SCWD	Project cost (adjusted) CLB	Project cost (adjusted) EBSD
YEAR 6 ('24/'25)								
	15102	Odor Control Scrubber/Foul Air System Reconstruction	\$ 1,448,000	\$ 1,670,000	\$ 489,000	\$ 499,000	\$ 633,000	\$ 50,000
	15147	Pavement and Surface Drainage Master Plan	\$ 75,000	\$ 87,000	\$ 25,000	\$ 26,000	\$ 33,000	\$ 3,000
	15713	North Section Embankment Protection	\$ 929,000	\$ 1,072,000	\$ 314,000	\$ 320,000	\$ 406,000	\$ 32,000
	15813	AWT Building Modifications	\$ 218,000	\$ 252,000	\$ -	\$ 252,000	\$ -	\$ -
		Small Cap Liquids	\$ 569,000	\$ 645,000	\$ 189,000	\$ 193,000	\$ 245,000	\$ 19,000
		Small Cap AWT	\$ 65,000	\$ 74,000	\$ -	\$ 74,000	\$ -	\$ -
		TOTALS	\$ 3,304,000	\$ 3,800,000	\$ 1,016,000	\$ 1,363,000	\$ 1,317,000	\$ 104,000

Table F.5 - Coastal Treatment Plant Capital Improvement Plan (PC 15)

Project date	Project code	Capital Projects	Project cost	Project cost inflation adjusted	Project cost (adjusted) MNWD	Project cost (adjusted) SCWD	Project cost (adjusted) CLB	Project cost (adjusted) EBSD
YEAR 7 ('25/'26)	15101	Grit Handling Upgrade	\$ 795,000	\$ 954,000	\$ 279,000	\$ 285,000	\$ 362,000	\$ 28,000
	15106	DAF Polymer and DAF Control Building Upgrade	\$ 403,000	\$ 483,000	\$ 141,000	\$ 144,000	\$ 183,000	\$ 14,000
	15132	Channel Lining	\$ 840,000	\$ 1,008,000	\$ 295,000	\$ 301,000	\$ 382,000	\$ 30,000
	15148	Instrumentation Master Plan	\$ 75,000	\$ 90,000	\$ 26,000	\$ 27,000	\$ 34,000	\$ 3,000
		Small Cap Liquids	\$ 569,000	\$ 666,000	\$ 195,000	\$ 199,000	\$ 253,000	\$ 20,000
		Small Cap AWT	\$ 65,000	\$ 76,000	\$ -	\$ 76,000	\$ -	\$ -
		TOTALS	\$ 2,746,000	\$ 3,277,000	\$ 936,000	\$ 1,031,000	\$ 1,213,000	\$ 96,000

Table F.5 - Coastal Treatment Plant Capital Improvement Plan (PC 15)

Project date	Project code	Capital Projects	Project cost	Project cost inflation adjusted	Project cost (adjusted) MNWD	Project cost (adjusted) SCWD	Project cost (adjusted) CLB	Project cost (adjusted) EBSD
YEAR 8 ('26/'27)								
	15126	Personnel Building Modification	\$ 305,000	\$ 375,000	\$ 110,000	\$ 112,000	\$ 142,000	\$ 11,000
	15133	Operations Building Rehab	\$ 932,000	\$ 1,147,000	\$ 335,000	\$ 342,000	\$ 435,000	\$ 34,000
	15145	Export Sludge System Condition Assessment	\$ 85,000	\$ 105,000	\$ 31,000	\$ 31,000	\$ 40,000	\$ 3,000
	15714	Aliso - Sulfur Creek Confluence Protection	\$ 647,000	\$ 796,000	\$ 233,000	\$ 238,000	\$ 302,000	\$ 24,000
	15815	Effluent Equalization Basin Valve Replacement - Common (AWT)	\$ 810,000	\$ 997,000	\$ -	\$ 997,000	\$ -	\$ -
	15817	AWT Instrumentation	\$ 453,000	\$ 558,000	\$ -	\$ 558,000	\$ -	\$ -
		Small Cap Liquids	\$ 569,000	\$ 687,000	\$ 201,000	\$ 205,000	\$ 261,000	\$ 21,000
		Small Cap AWT	\$ 65,000	\$ 79,000	\$ -	\$ 79,000	\$ -	\$ -
		TOTALS	\$ 3,865,000	\$ 4,744,000	\$ 910,000	\$ 2,562,000	\$ 1,179,000	\$ 93,000

Table F.5 - Coastal Treatment Plant Capital Improvement Plan (PC 15)

Project date	Project code	Capital Projects	Project cost	Project cost inflation adjusted	Project cost (adjusted) MNWD	Project cost (adjusted) SCWD	Project cost (adjusted) CLB	Project cost (adjusted) EBSD
YEAR 9 ('27/'28)								
	15115	RAS and WAS Pump Station	\$ 189,000	\$ 247,000	\$ 72,000	\$ 74,000	\$ 93,000	\$ 7,000
	15122	West Corridor Piping Reconstruction	\$ 1,651,000	\$ 2,158,000	\$ 631,000	\$ 644,000	\$ 818,000	\$ 64,000
	15123	Piping Between RAS/WAS PS and AWT	\$ 106,000	\$ 138,000	\$ 40,000	\$ 41,000	\$ 52,000	\$ 4,000
		Small Cap Liquids	\$ 569,000	\$ 709,000	\$ 208,000	\$ 212,000	\$ 269,000	\$ 21,000
		Small Cap AWT	\$ 65,000	\$ 81,000	\$ -	\$ 81,000	\$ -	\$ -
		TOTALS	\$ 2,579,000	\$ 3,333,000	\$ 951,000	\$ 1,052,000	\$ 1,233,000	\$ 97,000

Table F.5 - Coastal Treatment Plant Capital Improvement Plan (PC 15)

Project date	Project code	Capital Projects	Project cost	Project cost inflation adjusted	Project cost (adjusted) MNWD	Project cost (adjusted) SCWD	Project cost (adjusted) CLB	Project cost (adjusted) EBSD
YEAR 10 ('28/'29)								
	15110	Potable Water System Relocation	\$ 592,000	\$ 778,000	\$ 228,000	\$ 232,000	\$ 295,000	\$ 23,000
	15115	RAS and WAS Pump Station	\$ 1,037,000	\$ 1,365,000	\$ 399,000	\$ 407,000	\$ 517,000	\$ 41,000
	15121	Auxiliary Blower Bldg Upgrade	\$ 691,000	\$ 909,000	\$ 266,000	\$ 271,000	\$ 345,000	\$ 27,000
	15124	Central Corridor Piping	\$ 1,691,000	\$ 2,226,000	\$ 651,000	\$ 664,000	\$ 844,000	\$ 66,000
	15146	Primary Sedimentation System Condition Assessment	\$ 65,000	\$ 86,000	\$ 25,000	\$ 26,000	\$ 32,000	\$ 3,000
		Small Cap Liquids	\$ 569,000	\$ 732,000	\$ 214,000	\$ 219,000	\$ 278,000	\$ 22,000
		Small Cap AWT	\$ 65,000	\$ 84,000	\$ -	\$ 84,000	\$ -	\$ -
		TOTALS	\$ 4,710,000	\$ 6,179,000	\$ 1,783,000	\$ 1,903,000	\$ 2,311,000	\$ 182,000

Table F.5 - Coastal Treatment Plant Capital Improvement Plan (PC 15)

Project date	Project code	Capital Projects	Project cost	Project cost inflation adjusted	Project cost (adjusted) MNWD	Project cost (adjusted) SCWD	Project cost (adjusted) CLB	Project cost (adjusted) EBSD
YEAR 11 (29/30)	15113	Pave Road System	\$ 132,000	\$ 183,000	\$ 54,000	\$ 55,000	\$ 69,000	\$ 5,000
	15115	RAS and WAS Pump Station	\$ 1,037,000	\$ 1,441,000	\$ 421,000	\$ 430,000	\$ 546,000	\$ 43,000
	15116	Primary Sludge Pump System Design	\$ 682,000	\$ 947,000	\$ 277,000	\$ 283,000	\$ 359,000	\$ 28,000
	15127	Headworks Valve Replacement	\$ 343,000	\$ 476,000	\$ 139,000	\$ 142,000	\$ 181,000	\$ 14,000
	15150	Screening Washer/Compactor System	\$ 413,000	\$ 573,000	\$ 168,000	\$ 171,000	\$ 217,000	\$ 17,000
	15812	AWT Filter Valve Upgrade	\$ 541,000	\$ 752,000	\$ -	\$ 752,000	\$ -	\$ -
	15819	AWT Support Equipment	\$ 759,000	\$ 1,054,000	\$ -	\$ 1,054,000	\$ -	\$ -
	15821	AWT Buried Piping	\$ 1,011,000	\$ 1,404,000	\$ -	\$ 1,404,000	\$ -	\$ -
		Small Cap Liquids	\$ 569,000	\$ 755,000	\$ 221,000	\$ 226,000	\$ 286,000	\$ 23,000
		Small Cap AWT	\$ 65,000	\$ 86,000	\$ -	\$ 86,000	\$ -	\$ -
		TOTALS	\$ 5,550,000	\$ 7,672,000	\$ 1,280,000	\$ 4,602,000	\$ 1,659,000	\$ 131,000
YEAR 12 (30/31)	15104	DAF System Rehabilitation	\$ 1,300,000	\$ 1,827,000	\$ 535,000	\$ 546,000	\$ 693,000	\$ 55,000
	15117	SCADA System Reconstruction	\$ 147,000	\$ 206,000	\$ 60,000	\$ 62,000	\$ 78,000	\$ 6,000
	15129	Standby Power Reconstruction	\$ 179,000	\$ 251,000	\$ 74,000	\$ 75,000	\$ 95,000	\$ 8,000
		Small Cap Liquids	\$ 569,000	\$ 780,000	\$ 228,000	\$ 233,000	\$ 296,000	\$ 23,000
		Small Cap AWT	\$ 65,000	\$ 89,000	\$ -	\$ 89,000	\$ -	\$ -
		TOTALS	\$ 2,260,000	\$ 3,154,000	\$ 897,000	\$ 1,004,000	\$ 1,162,000	\$ 91,000

Table F.5 - Coastal Treatment Plant Capital Improvement Plan (PC 15)

Project date	Project code	Capital Projects	Project cost	Project cost inflation adjusted	Project cost (adjusted) MNWD	Project cost (adjusted) SCWD	Project cost (adjusted) CLB	Project cost (adjusted) EBSD
YEAR 13 ('31/'32)								
	15111	Non-Potable Water System Relocation	\$ 333,000	\$ 508,000	\$ 149,000	\$ 152,000	\$ 193,000	\$ 15,000
	15117	SCADA System Reconstruction	\$ 1,150,000	\$ 1,756,000	\$ 514,000	\$ 524,000	\$ 666,000	\$ 52,000
	15128	Existing Export Sludge PS Upgrade	\$ 836,000	\$ 1,276,000	\$ 373,000	\$ 381,000	\$ 484,000	\$ 38,000
	15129	Standby Power Reconstruction	\$ 559,000	\$ 853,000	\$ 250,000	\$ 255,000	\$ 324,000	\$ 25,000
		Small Cap Liquids	\$ 569,000	\$ 805,000	\$ 235,000	\$ 240,000	\$ 305,000	\$ 24,000
		Small Cap AWT	\$ 65,000	\$ 92,000	\$ -	\$ 92,000	\$ -	\$ -
	TOTALS	\$ 3,512,000	\$ 5,290,000	\$ 1,521,000	\$ 1,644,000	\$ 1,971,000	\$ 155,000	
YEAR 14 ('32/'33)								
	15112	West Primary Sedimentation System Upgrade	\$ 1,032,000	\$ 1,631,000	\$ 477,000	\$ 487,000	\$ 618,000	\$ 49,000
	15129	Standby Power Reconstruction	\$ 559,000	\$ 884,000	\$ 259,000	\$ 264,000	\$ 335,000	\$ 26,000
		Small Cap Liquids	\$ 569,000	\$ 830,000	\$ 243,000	\$ 248,000	\$ 315,000	\$ 25,000
		Small Cap AWT	\$ 65,000	\$ 95,000	\$ -	\$ 95,000	\$ -	\$ -
	TOTALS	\$ 2,225,000	\$ 3,441,000	\$ 979,000	\$ 1,094,000	\$ 1,268,000	\$ 100,000	

Table F.5 - Coastal Treatment Plant Capital Improvement Plan (PC 15)

Project date	Project code	Capital Projects	Project cost	Project cost inflation adjusted	Project cost (adjusted) MNWD	Project cost (adjusted) SCWD	Project cost (adjusted) CLB	Project cost (adjusted) EBSD
YEAR 15 (‘33/‘34)								
	15114	East Primary Sedimentation Upgrade	\$ 677,000	\$ 1,079,000	\$ 316,000	\$ 322,000	\$ 409,000	\$ 32,000
	15118	Aeration Basin Gates	\$ 1,499,000	\$ 2,388,000	\$ 699,000	\$ 713,000	\$ 905,000	\$ 71,000
	15120	RAS Hypo Pumps	\$ 98,000	\$ 155,000	\$ 45,000	\$ 46,000	\$ 59,000	\$ 5,000
	15131	Headworks Miscellaneous Upgrades	\$ 505,000	\$ 805,000	\$ 235,000	\$ 240,000	\$ 305,000	\$ 24,000
	15134	Perimeter Fence Replacement	\$ 857,000	\$ 1,365,000	\$ 399,000	\$ 408,000	\$ 518,000	\$ 41,000
	15135	Blower Building Roof	\$ 106,000	\$ 169,000	\$ 49,000	\$ 50,000	\$ 64,000	\$ 5,000
	15136	Export Sludge Pumps	\$ 847,000	\$ 1,349,000	\$ 395,000	\$ 403,000	\$ 511,000	\$ 40,000
	15816	AWT Hypo Pumps	\$ 261,000	\$ 415,000	\$ -	\$ 415,000	\$ -	\$ -
		Small Cap Liquids	\$ 569,000	\$ 857,000	\$ 251,000	\$ 256,000	\$ 325,000	\$ 26,000
		Small Cap AWT	\$ 65,000	\$ 98,000	\$ -	\$ 98,000	\$ -	\$ -
	TOTALS	\$ 5,484,000	\$ 8,680,000	\$ 2,389,000	\$ 2,951,000	\$ 3,096,000	\$ 244,000	

Table I.5 - Regional Treatment Plant Capital Improvement Plan (PC 17)

Project date	Project code	Capital Projects	Project cost	Project cost inflation adjusted	Project cost (adjusted) MNWD	Project cost (adjusted) SCWD	Project cost (adjusted) CLB	Project cost (adjusted) EBSD	Project cost (adjusted) ETWD
YEAR 1 ('19/'20)									
	3701-000	Secondary Electrical System Rerouting	\$ 702,000	\$ 702,000	\$ 702,000	\$ -	\$ -	\$ -	\$ -
	3702-000	Waste Activated Sludge VFD Control Panel	\$ 242,000	\$ 242,000	\$ 242,000	\$ -	\$ -	\$ -	\$ -
	3741-000	Southwest Influent Sewer and MH Repair Design	\$ 71,000	\$ 71,000	\$ 71,000	\$ -	\$ -	\$ -	\$ -
	3742-000	Aeration System Upgrade	\$ 1,007,000	\$ 1,007,000	\$ 1,007,000	\$ -	\$ -	\$ -	\$ -
	3743-000	Aeration Gate Replacement	\$ 435,000	\$ 435,000	\$ 435,000	\$ -	\$ -	\$ -	\$ -
	3749-000	Phase I Solids Piping Upgrade	\$ 179,000	\$ 179,000	\$ 105,000	\$ 16,000	\$ 20,000	\$ 1,000	\$ 37,000
	3751-000	Energy Building Roof and Breezeway	\$ 168,000	\$ 168,000	\$ 99,000	\$ 15,000	\$ 19,000	\$ 1,000	\$ 34,000
	3753-000	Aeration Diffuser Upgrade	\$ 807,000	\$ 807,000	\$ 807,000	\$ -	\$ -	\$ -	\$ -
	3755-000	SE Sewer Rehabilitation	\$ 572,000	\$ 572,000	\$ 572,000	\$ -	\$ -	\$ -	\$ -
	3756-000	Secondary Clarifier Safety Repairs	\$ 77,000	\$ 77,000	\$ 77,000	\$ -	\$ -	\$ -	\$ -
	3757-000	Miscellaneous Safety Imps - Liquids	\$ 142,000	\$ 142,000	\$ 142,000	\$ -	\$ -	\$ -	\$ -
	3758-000	AWT No. 2 Reconstruction	\$ 1,263,000	\$ 1,263,000	\$ 1,263,000	\$ -	\$ -	\$ -	\$ -
3759-000	AWT No. 2 Electrical Upgrades	\$ 177,000	\$ 177,000	\$ 177,000	\$ -	\$ -	\$ -	\$ -	

Table I.5 - Regional Treatment Plant Capital Improvement Plan (PC 17)

Project date	Project code	Capital Projects	Project cost	Project cost inflation adjusted	Project cost (adjusted) MNWD	Project cost (adjusted) SCWD	Project cost (adjusted) CLB	Project cost (adjusted) EBSD	Project cost (adjusted) ETWD
YEAR 1 Cont. ('19/'20)									
	3761-000	External lighting Upgrade	\$ 90,000	\$ 90,000	\$ 70,000	\$ 5,000	\$ 6,000	\$ -	\$ 9,000
	3766-000	AWT Hypochlorite Tanks Shade	\$ 284,000	\$ 284,000	\$ 284,000	\$ -	\$ -	\$ -	\$ -
	3769-000	Trailer Drain Line	\$ 56,000	\$ 56,000	\$ 44,000	\$ 3,000	\$ 3,000	\$ -	\$ 6,000
	3771-000	Miscellaneous Safety Imps - Solids	\$ 142,000	\$ 142,000	\$ 83,000	\$ 13,000	\$ 16,000	\$ 1,000	\$ 29,000
	3772-000	Hot Water Piping Reconstruction	\$ 625,000	\$ 625,000	\$ 368,000	\$ 56,000	\$ 70,000	\$ 4,000	\$ 128,000
	3773-000	Cogeneration System Modifications	\$ 640,000	\$ 640,000	\$ 376,000	\$ 57,000	\$ 72,000	\$ 4,000	\$ 131,000
	3784-000	Replace DAF (Mannich) Polymer System	\$ 76,000	\$ 76,000	\$ 76,000	\$ -	\$ -	\$ -	\$ -
	3785-000	Replace DAF Dissolution Tank System and Compressors	\$ 101,000	\$ 101,000	\$ 101,000	\$ -	\$ -	\$ -	\$ -
	3786-000	Primary Gallery Mechanical and Electrical Upgrade	\$ 521,000	\$ 521,000	\$ 521,000	\$ -	\$ -	\$ -	\$ -
	4703-000	Laboratory Reconstruction Evaluation	\$ 71,000	\$ 71,000	\$ 55,000	\$ 4,000	\$ 4,000	\$ -	\$ 7,000
	4704-000	Evaluate Plant and Storm Water Drainage System	\$ 91,000	\$ 91,000	\$ 71,000	\$ 5,000	\$ 6,000	\$ -	\$ 9,000
		Small Cap Liquids	\$ 316,000	\$ 316,000	\$ 316,000	\$ -	\$ -	\$ -	\$ -
		Small Cap Solids	\$ 220,000	\$ 220,000	\$ 129,000	\$ 20,000	\$ 25,000	\$ 1,000	\$ 45,000
		Small Cap Common	\$ 165,000	\$ 165,000	\$ 129,000	\$ 8,000	\$ 10,000	\$ 1,000	\$ 17,000
		Small Cap AWT	\$ 35,000	\$ 35,000	\$ 35,000	\$ -	\$ -	\$ -	\$ -
		TOTALS	\$ 9,275,000	\$ 9,275,000	\$ 8,359,000	\$ 201,000	\$ 251,000	\$ 13,000	\$ 451,000

Table I.5 - Regional Treatment Plant Capital Improvement Plan (PC 17)

Project date	Project code	Capital Projects	Project cost	Project cost inflation adjusted	Project cost (adjusted) MNWD	Project cost (adjusted) SCWD	Project cost (adjusted) CLB	Project cost (adjusted) EBSD	Project cost (adjusted) ETWD
YEAR 2 (20/21)	17087	Odor Control Chemical Tank	\$ 270,000	\$ 275,000	\$ 275,000	\$ -	\$ -	\$ -	\$ -
	17088	Primary Sedimentation Condition Assessment	\$ 65,000	\$ 66,000	\$ 66,000	\$ -	\$ -	\$ -	\$ -
	17093	AWT #2 Rehab 2021	\$ 1,439,000	\$ 1,439,000	\$ 1,439,000	\$ -	\$ -	\$ -	\$ -
	37001-000	MCC A, C, G, H Replacement (Solids)	\$ 203,000	\$ 203,000	\$ 119,000	\$ 18,000	\$ 23,000	\$ 1,000	\$ 41,000
	37002-000	West Slope Protection	\$ 184,000	\$ 184,000	\$ 144,000	\$ 9,000	\$ 12,000	\$ 1,000	\$ 19,000
	37003-000	Admin Building Door & Window Repair	\$ 133,000	\$ 133,000	\$ 104,000	\$ 7,000	\$ 8,000	\$ -	\$ 14,000
	3774-000	MCC A, C, G, H Replacement (Liquids)	\$ 457,000	\$ 457,000	\$ 457,000	\$ -	\$ -	\$ -	\$ -
	3775-000	Aeration Basin Handrail Upgrade	\$ 154,000	\$ 154,000	\$ 154,000	\$ -	\$ -	\$ -	\$ -
	3776-000	Effluent Pond Gate Replacement	\$ 528,000	\$ 528,000	\$ 528,000	\$ -	\$ -	\$ -	\$ -
	3777-000	Site Lighting Upgrade - Liquids	\$ 647,000	\$ 647,000	\$ 647,000	\$ -	\$ -	\$ -	\$ -
	3778-000	Site Lighting Upgrade - Common	\$ 450,000	\$ 450,000	\$ 352,000	\$ 23,000	\$ 28,000	\$ 1,000	\$ 46,000
	3779-000	MCC A, C, G, H Replacement (Common)	\$ 289,000	\$ 289,000	\$ 226,000	\$ 14,000	\$ 18,000	\$ 1,000	\$ 30,000
	4701-000	Interstage Pump Station Condition Assessment	\$ 52,000	\$ 52,000	\$ 52,000	\$ -	\$ -	\$ -	\$ -
	4702-000	Site Storage Evaluation	\$ 81,000	\$ 81,000	\$ 64,000	\$ 4,000	\$ 5,000	\$ -	\$ 8,000
		Small Cap Liquids	\$ 326,000	\$ 326,000	\$ 326,000	\$ -	\$ -	\$ -	\$ -
		Small Cap Solids	\$ 227,000	\$ 227,000	\$ 134,000	\$ 20,000	\$ 25,000	\$ 1,000	\$ 46,000
		Small Cap Common	\$ 170,000	\$ 170,000	\$ 133,000	\$ 9,000	\$ 11,000	\$ 1,000	\$ 17,000
		Small Cap AWT	\$ 36,000	\$ 36,000	\$ 36,000	\$ -	\$ -	\$ -	\$ -
		TOTALS	\$ 5,712,000	\$ 5,719,000	\$ 5,256,000	\$ 104,000	\$ 130,000	\$ 7,000	\$ 222,000

Table I.5 - Regional Treatment Plant Capital Improvement Plan (PC 17)

Project date	Project code	Capital Projects	Project cost	Project cost inflation adjusted	Project cost (adjusted) MNWD	Project cost (adjusted) SCWD	Project cost (adjusted) CLB	Project cost (adjusted) EBSD	Project cost (adjusted) ETWD
YEAR 3 (21/22)									
	17057	Aeration Single Stage Blower Replacement	\$ 1,763,000	\$ 1,855,000	\$ 1,855,000	\$ -	\$ -	\$ -	\$ -
	17061	Mixed Liquor Channel Condition Assessment	\$ 270,000	\$ 284,000	\$ 284,000	\$ -	\$ -	\$ -	\$ -
	17082	Secondary Effluent Conveyance Evaluation	\$ 50,000	\$ 53,000	\$ 53,000	\$ -	\$ -	\$ -	\$ -
	17083	Grit Handling Evaluation	\$ 60,000	\$ 63,000	\$ 63,000	\$ -	\$ -	\$ -	\$ -
	17084	Mannich Polymer Shade	\$ 195,000	\$ 205,000	\$ 205,000	\$ -	\$ -	\$ -	\$ -
	17086	Aeration Basin Upgrade	\$ 3,090,000	\$ 3,252,000	\$ 3,252,000	\$ -	\$ -	\$ -	\$ -
	17330	Energy Building Seismic Analysis	\$ 80,000	\$ 84,000	\$ 66,000	\$ 4,000	\$ 5,000	\$ -	\$ 9,000
	17333	SCADA System Upgrade Project/1st Phase	\$ 368,000	\$ 387,000	\$ 302,000	\$ 19,000	\$ 24,000	\$ 1,000	\$ 40,000
	17338	West Side Storm Channel Reconstruction - Phase II	\$ 68,000	\$ 72,000	\$ 56,000	\$ 4,000	\$ 4,000	\$ -	\$ 7,000
	17346	Buried Water Pipe Reconstruction	\$ 1,545,000	\$ 1,626,000	\$ 1,270,000	\$ 81,000	\$ 102,000	\$ 5,000	\$ 167,000
	17354	Energy Building Condition Assessment	\$ 60,000	\$ 63,000	\$ 49,000	\$ 3,000	\$ 4,000	\$ -	\$ 6,000
	17536	Flare Replacement Project	\$ 2,709,000	\$ 2,851,000	\$ 1,677,000	\$ 255,000	\$ 320,000	\$ 17,000	\$ 582,000
	17541	Emulsion Tank Cover	\$ 195,000	\$ 205,000	\$ 121,000	\$ 18,000	\$ 23,000	\$ 1,000	\$ 42,000
		Small Cap Liquids	\$ 326,000	\$ 337,000	\$ 337,000	\$ -	\$ -	\$ -	\$ -
		Small Cap Solids	\$ 227,000	\$ 234,000	\$ 138,000	\$ 21,000	\$ 26,000	\$ 1,000	\$ 48,000
		Small Cap Common	\$ 170,000	\$ 176,000	\$ 137,000	\$ 9,000	\$ 11,000	\$ 1,000	\$ 18,000
		Small Cap AWT	\$ 36,000	\$ 37,000	\$ 37,000	\$ -	\$ -	\$ -	\$ -
	TOTALS	\$ 11,212,000	\$ 11,784,000	\$ 9,902,000	\$ 415,000	\$ 520,000	\$ 27,000	\$ 919,000	

Table I.5 - Regional Treatment Plant Capital Improvement Plan (PC 17)

Project date	Project code	Capital Projects	Project cost	Project cost inflation adjusted	Project cost (adjusted) MNWD	Project cost (adjusted) SCWD	Project cost (adjusted) CLB	Project cost (adjusted) EBSD	Project cost (adjusted) ETWD
YEAR 4 ('22/'23)	17060	Secondary Scum Pump Station Reconstruction	\$ 578,000	\$ 646,000	\$ 646,000	\$ -	\$ -	\$ -	\$ -
	17081	Primary Sedimentation Collectors and Gates	\$ 904,000	\$ 1,009,000	\$ 1,009,000	\$ -	\$ -	\$ -	\$ -
	17090	RAS System Condition Assessment	\$ 50,000	\$ 56,000	\$ 56,000	\$ -	\$ -	\$ -	\$ -
	17342	Electrical Box Reconstruction/Phase I	\$ 1,602,000	\$ 1,788,000	\$ 1,397,000	\$ 90,000	\$ 112,000	\$ 6,000	\$ 183,000
	17356	Instrumentation Plan	\$ 90,000	\$ 100,000	\$ 78,000	\$ 5,000	\$ 6,000	\$ -	\$ 10,000
	17542	Solids Area Overhaul Plan	\$ 90,000	\$ 100,000	\$ 59,000	\$ 9,000	\$ 11,000	\$ 1,000	\$ 21,000
	17543	Digester System Condition Assessment	\$ 85,000	\$ 95,000	\$ 56,000	\$ 8,000	\$ 11,000	\$ 1,000	\$ 19,000
		Small Cap Liquids	\$ 326,000	\$ 347,000	\$ 347,000	\$ -	\$ -	\$ -	\$ -
		Small Cap Solids	\$ 227,000	\$ 242,000	\$ 142,000	\$ 22,000	\$ 27,000	\$ 1,000	\$ 49,000
		Small Cap Common	\$ 170,000	\$ 181,000	\$ 142,000	\$ 9,000	\$ 11,000	\$ 1,000	\$ 19,000
		Small Cap AWT	\$ 36,000	\$ 38,000	\$ 38,000	\$ -	\$ -	\$ -	\$ -
		TOTALS	\$ 4,159,000	\$ 4,603,000	\$ 3,970,000	\$ 143,000	\$ 179,000	\$ 9,000	\$ 302,000

Table I.5 - Regional Treatment Plant Capital Improvement Plan (PC 17)

Project date	Project code	Capital Projects	Project cost	Project cost inflation adjusted	Project cost (adjusted) MNWD	Project cost (adjusted) SCWD	Project cost (adjusted) CLB	Project cost (adjusted) EBSD	Project cost (adjusted) ETWD
YEAR 5 ('23/'24)									
	17074	WAS Pump VFD Panel Reconstruction	\$ 144,000	\$ 164,000	\$ 164,000	\$ -	\$ -	\$ -	\$ -
	17091	Secondary Sedimentation Condition Assessment	\$ 60,000	\$ 69,000	\$ 69,000	\$ -	\$ -	\$ -	\$ -
	17329	Laboratory Reconstruction	\$ 1,042,000	\$ 1,192,000	\$ 932,000	\$ 60,000	\$ 75,000	\$ 4,000	\$ 122,000
	17331	Energy Building Repair and Rehabilitation	\$ 1,646,000	\$ 1,882,000	\$ 1,471,000	\$ 94,000	\$ 118,000	\$ 6,000	\$ 193,000
	17332	Maintenance Shop Rehabilitation	\$ 316,000	\$ 361,000	\$ 282,000	\$ 18,000	\$ 23,000	\$ 1,000	\$ 37,000
	17337	West Side Storm Channel Reconstruction - Phase I	\$ 999,000	\$ 1,143,000	\$ 893,000	\$ 57,000	\$ 72,000	\$ 4,000	\$ 117,000
	17345	Energy Building HVAC Upgrade	\$ 473,000	\$ 541,000	\$ 423,000	\$ 27,000	\$ 34,000	\$ 2,000	\$ 56,000
	17348	Secondary Access Road	\$ 319,000	\$ 364,000	\$ 285,000	\$ 18,000	\$ 23,000	\$ 1,000	\$ 37,000
	17357	MCC D, E, & F Condition Assessment	\$ 45,000	\$ 51,000	\$ 40,000	\$ 3,000	\$ 3,000	\$ -	\$ 5,000
	17538	Digested and Eq Sludge Pump VFD Replacement	\$ 287,000	\$ 328,000	\$ 193,000	\$ 29,000	\$ 37,000	\$ 2,000	\$ 67,000
		Small Cap Liquids	\$ 326,000	\$ 358,000	\$ 358,000	\$ -	\$ -	\$ -	\$ -
		Small Cap Solids	\$ 227,000	\$ 250,000	\$ 147,000	\$ 22,000	\$ 28,000	\$ 1,000	\$ 51,000
		Small Cap Common	\$ 170,000	\$ 187,000	\$ 146,000	\$ 9,000	\$ 12,000	\$ 1,000	\$ 19,000
		Small Cap AWT	\$ 36,000	\$ 40,000	\$ 40,000	\$ -	\$ -	\$ -	\$ -
	TOTALS		\$ 6,090,000	\$ 6,931,000	\$ 5,442,000	\$ 339,000	\$ 424,000	\$ 22,000	\$ 705,000

Table I.5 - Regional Treatment Plant Capital Improvement Plan (PC 17)

Project date	Project code	Capital Projects	Project cost	Project cost inflation adjusted	Project cost (adjusted) MNWD	Project cost (adjusted) SCWD	Project cost (adjusted) CLB	Project cost (adjusted) EBSD	Project cost (adjusted) ETWD
YEAR 6 ('24/'25)									
	17055	Primary Gallery Upgrade Phase II	\$ 1,289,000	\$ 1,487,000	\$ 1,487,000	\$ -	\$ -	\$ -	\$ -
	17080	Primary Scum Skimmer	\$ 1,453,000	\$ 1,676,000	\$ 1,676,000	\$ -	\$ -	\$ -	\$ -
	17525	Solids Building Structural Rehabilitation	\$ 306,000	\$ 352,000	\$ 207,000	\$ 32,000	\$ 40,000	\$ 2,000	\$ 72,000
	17526	MCC D Replacement	\$ 520,000	\$ 600,000	\$ 353,000	\$ 54,000	\$ 67,000	\$ 4,000	\$ 122,000
	17528	Heating System Reconstruction	\$ 1,778,000	\$ 2,052,000	\$ 1,207,000	\$ 184,000	\$ 230,000	\$ 12,000	\$ 419,000
	17529	Digester Gas Management Building Rehabilitation	\$ 372,000	\$ 429,000	\$ 253,000	\$ 38,000	\$ 48,000	\$ 3,000	\$ 88,000
	17532	Dewatering System Reconstruction	\$ 7,154,000	\$ 8,254,000	\$ 4,855,000	\$ 740,000	\$ 926,000	\$ 49,000	\$ 1,685,000
	17533	Solids Conveyor Replacement	\$ 3,810,000	\$ 4,396,000	\$ 2,586,000	\$ 394,000	\$ 493,000	\$ 26,000	\$ 897,000
		Small Cap Liquids	\$ 326,000	\$ 370,000	\$ 370,000	\$ -	\$ -	\$ -	\$ -
		Small Cap Solids	\$ 227,000	\$ 258,000	\$ 151,000	\$ 23,000	\$ 29,000	\$ 2,000	\$ 53,000
		Small Cap Common	\$ 170,000	\$ 193,000	\$ 151,000	\$ 10,000	\$ 12,000	\$ 1,000	\$ 20,000
		Small Cap AWT	\$ 36,000	\$ 41,000	\$ 41,000	\$ -	\$ -	\$ -	\$ -
		TOTALS	\$ 17,440,000	\$ 20,108,000	\$ 13,336,000	\$ 1,474,000	\$ 1,846,000	\$ 97,000	\$ 3,355,000

Table I.5 - Regional Treatment Plant Capital Improvement Plan (PC 17)

Project date	Project code	Capital Projects	Project cost	Project cost inflation adjusted	Project cost (adjusted) MNWD	Project cost (adjusted) SCWD	Project cost (adjusted) CLB	Project cost (adjusted) EBSD	Project cost (adjusted) ETWD
YEAR 7 ('25/'26)	17052	Odor Control Scrubber No.1 Replacement	\$ 5,878,000	\$ 7,052,000	\$ 7,052,000	\$ -	\$ -	\$ -	\$ -
	17089	Headworks Condition Assessment	\$ 50,000	\$ 60,000	\$ 60,000	\$ -	\$ -	\$ -	\$ -
	17320	Plant Drainage Pump Station Reconstruction	\$ 603,000	\$ 723,000	\$ 565,000	\$ 36,000	\$ 45,000	\$ 2,000	\$ 74,000
	17323	PW Hypochlorite Pump and Instrument Replacement	\$ 161,000	\$ 194,000	\$ 151,000	\$ 10,000	\$ 12,000	\$ 1,000	\$ 20,000
	17349	Underground Piping Reconstruction Area A	\$ 560,000	\$ 671,000	\$ 525,000	\$ 34,000	\$ 42,000	\$ 2,000	\$ 69,000
	17350	Underground Piping Reconstruction Area B	\$ 1,848,000	\$ 2,218,000	\$ 1,733,000	\$ 111,000	\$ 139,000	\$ 7,000	\$ 228,000
	17355	Pavement and Surface Drainage Master Plan	\$ 90,000	\$ 108,000	\$ 84,000	\$ 5,000	\$ 7,000	\$ -	\$ 11,000
	17534	Storage and Truck loading Rehabilitation	\$ 788,000	\$ 945,000	\$ 556,000	\$ 85,000	\$ 106,000	\$ 6,000	\$ 193,000
	17720	AWT Hypochlorite Pump and Instrument	\$ 206,000	\$ 248,000	\$ 248,000	\$ -	\$ -	\$ -	\$ -
		Small Cap Liquids	\$ 326,000	\$ 382,000	\$ 382,000	\$ -	\$ -	\$ -	\$ -
		Small Cap Solids	\$ 227,000	\$ 266,000	\$ 156,000	\$ 24,000	\$ 30,000	\$ 2,000	\$ 54,000
		Small Cap Common	\$ 170,000	\$ 199,000	\$ 156,000	\$ 10,000	\$ 12,000	\$ 1,000	\$ 20,000
		Small Cap AWT	\$ 36,000	\$ 42,000	\$ 42,000	\$ -	\$ -	\$ -	\$ -
		TOTALS	\$ 10,943,000	\$ 13,108,000	\$ 11,710,000	\$ 315,000	\$ 394,000	\$ 21,000	\$ 669,000

Table I.5 - Regional Treatment Plant Capital Improvement Plan (PC 17)

Project date	Project code	Capital Projects	Project cost	Project cost inflation adjusted	Project cost (adjusted) MNWD	Project cost (adjusted) SCWD	Project cost (adjusted) CLB	Project cost (adjusted) EBSD	Project cost (adjusted) ETWD
YEAR 8 ('26/'27)	17056	Interstage Pump Station Reconstruction	\$ 2,567,000	\$ 3,158,000	\$ 3,158,000	\$ -	\$ -	\$ -	\$ -
	17062	Mixed Liquor Channel Rehabilitation	\$ 719,000	\$ 885,000	\$ 885,000	\$ -	\$ -	\$ -	\$ -
	17071	Odor Control Scrubber No.2 Replacement	\$ 2,928,000	\$ 3,601,000	\$ 3,601,000	\$ -	\$ -	\$ -	\$ -
	17079	MCC E Replacement	\$ 354,000	\$ 436,000	\$ 436,000	\$ -	\$ -	\$ -	\$ -
	17092	DAF System Condition Assessment	\$ 60,000	\$ 74,000	\$ 74,000	\$ -	\$ -	\$ -	\$ -
	17325	Process Water Contact Basin Gate and Valve Replacement	\$ 247,000	\$ 304,000	\$ 238,000	\$ 15,000	\$ 19,000	\$ 1,000	\$ 31,000
	17327	MCC F Replacement	\$ 448,000	\$ 551,000	\$ 430,000	\$ 28,000	\$ 35,000	\$ 2,000	\$ 56,000
	17340	Plant Water Pump Screen Replacement	\$ 214,000	\$ 263,000	\$ 206,000	\$ 13,000	\$ 17,000	\$ 1,000	\$ 27,000
	17341	Lube Oil Tank Replacement	\$ 105,000	\$ 130,000	\$ 101,000	\$ 6,000	\$ 8,000	\$ -	\$ 13,000
	17347	Electrical Box Reconstruction/Phase II	\$ 2,210,000	\$ 2,719,000	\$ 2,124,000	\$ 136,000	\$ 170,000	\$ 9,000	\$ 279,000
	17721	AWT No.2 Contact Basin Upgrades	\$ 243,000	\$ 299,000	\$ 299,000	\$ -	\$ -	\$ -	\$ -
		Small Cap Liquids	\$ 326,000	\$ 394,000	\$ 394,000	\$ -	\$ -	\$ -	\$ -
		Small Cap Solids	\$ 227,000	\$ 274,000	\$ 161,000	\$ 25,000	\$ 31,000	\$ 2,000	\$ 56,000
		Small Cap Common	\$ 170,000	\$ 206,000	\$ 161,000	\$ 10,000	\$ 13,000	\$ 1,000	\$ 21,000
		Small Cap AWT	\$ 36,000	\$ 44,000	\$ 44,000	\$ -	\$ -	\$ -	\$ -
	TOTALS	\$ 10,855,000	\$ 13,335,000	\$ 12,310,000	\$ 234,000	\$ 292,000	\$ 15,000	\$ 484,000	

Table I.5 - Regional Treatment Plant Capital Improvement Plan (PC 17)

Project date	Project code	Capital Projects	Project cost	Project cost inflation adjusted	Project cost (adjusted) MNWD	Project cost (adjusted) SCWD	Project cost (adjusted) CLB	Project cost (adjusted) EBSD	Project cost (adjusted) ETWD
YEAR 9 ('27/'28)	17053	Headworks Process Equipment Replacement	\$ 2,896,000	\$ 3,787,000	\$ 3,787,000	\$ -	\$ -	\$ -	\$ -
	17064	RAS Hypochlorite Pump and Instrument Replacement	\$ 161,000	\$ 211,000	\$ 211,000	\$ -	\$ -	\$ -	\$ -
	17066	Replace Effluent Flow Meter Weir and Level Transmitter	\$ 94,000	\$ 122,000	\$ 122,000	\$ -	\$ -	\$ -	\$ -
	17068	TWAS System Reconstruction	\$ 346,000	\$ 453,000	\$ 453,000	\$ -	\$ -	\$ -	\$ -
	17322	Plant Water Pumping System Reconstruction	\$ 548,000	\$ 717,000	\$ 560,000	\$ 36,000	\$ 45,000	\$ 2,000	\$ 74,000
	17523	Sludge Equalization System Mechanical and Electrical Rehabilitation	\$ 1,810,000	\$ 2,366,000	\$ 1,392,000	\$ 212,000	\$ 265,000	\$ 14,000	\$ 483,000
		Small Cap Liquids	\$ 326,000	\$ 407,000	\$ 407,000	\$ -	\$ -	\$ -	\$ -
		Small Cap Solids	\$ 227,000	\$ 283,000	\$ 166,000	\$ 25,000	\$ 32,000	\$ 2,000	\$ 58,000
		Small Cap Common	\$ 170,000	\$ 212,000	\$ 166,000	\$ 11,000	\$ 13,000	\$ 1,000	\$ 22,000
		Small Cap AWT	\$ 36,000	\$ 45,000	\$ 45,000	\$ -	\$ -	\$ -	\$ -
		TOTALS	\$ 6,615,000	\$ 8,603,000	\$ 7,309,000	\$ 284,000	\$ 356,000	\$ 19,000	\$ 636,000

Table I.5 - Regional Treatment Plant Capital Improvement Plan (PC 17)

Project date	Project code	Capital Projects	Project cost	Project cost inflation adjusted	Project cost (adjusted) MNWD	Project cost (adjusted) SCWD	Project cost (adjusted) CLB	Project cost (adjusted) EBSD	Project cost (adjusted) ETWD
YEAR 10 (28/29)									
	17059	RAS Pump Station Reconstruction	\$ 2,884,000	\$ 3,796,000	\$ 3,796,000	\$ -	\$ -	\$ -	\$ -
	17321	Chlorine Building Rehabilitation	\$ 229,000	\$ 302,000	\$ 236,000	\$ 15,000	\$ 19,000	\$ 1,000	\$ 31,000
	17334	Storage Building Project	\$ 899,000	\$ 1,184,000	\$ 925,000	\$ 59,000	\$ 74,000	\$ 4,000	\$ 121,000
	17335	Site Pavement Reconstruction	\$ 1,007,000	\$ 1,325,000	\$ 1,035,000	\$ 66,000	\$ 83,000	\$ 4,000	\$ 136,000
	17351	Underground Piping Reconstruction Area C	\$ 525,000	\$ 691,000	\$ 540,000	\$ 35,000	\$ 43,000	\$ 2,000	\$ 71,000
	17352	Underground Piping Reconstruction Area D	\$ 291,000	\$ 383,000	\$ 299,000	\$ 19,000	\$ 24,000	\$ 1,000	\$ 39,000
	17722	AWT Control Building Structural, Mechanical and Electrical Upgrade	\$ 500,000	\$ 658,000	\$ 658,000	\$ -	\$ -	\$ -	\$ -
	17723	AWT No.2 Applied Water Pump System	\$ 212,000	\$ 279,000	\$ 279,000	\$ -	\$ -	\$ -	\$ -
		Small Cap Liquids	\$ 326,000	\$ 420,000	\$ 420,000	\$ -	\$ -	\$ -	\$ -
		Small Cap Solids	\$ 227,000	\$ 292,000	\$ 172,000	\$ 26,000	\$ 33,000	\$ 2,000	\$ 60,000
		Small Cap Common	\$ 170,000	\$ 219,000	\$ 171,000	\$ 11,000	\$ 14,000	\$ 1,000	\$ 22,000
		Small Cap AWT	\$ 36,000	\$ 46,000	\$ 46,000	\$ -	\$ -	\$ -	\$ -
		TOTALS	\$ 7,308,000	\$ 9,595,000	\$ 8,577,000	\$ 232,000	\$ 290,000	\$ 15,000	\$ 481,000

Table I.5 - Regional Treatment Plant Capital Improvement Plan (PC 17)

Project date	Project code	Capital Projects	Project cost	Project cost inflation adjusted	Project cost (adjusted) MNWD	Project cost (adjusted) SCWD	Project cost (adjusted) CLB	Project cost (adjusted) EBSD	Project cost (adjusted) ETWD
YEAR 11 (29/30)	17058	Secondary Sedimentation Basin Reconstruction	\$ 4,080,000	\$ 5,668,000	\$ 5,668,000	\$ -	\$ -	\$ -	\$ -
	17522	Emulsion Polymer Feed System Replacement	\$ 317,000	\$ 441,000	\$ 259,000	\$ 39,000	\$ 49,000	\$ 3,000	\$ 90,000
		Small Cap Liquids	\$ 326,000	\$ 433,000	\$ 433,000	\$ -	\$ -	\$ -	\$ -
		Small Cap Solids	\$ 227,000	\$ 301,000	\$ 177,000	\$ 27,000	\$ 34,000	\$ 2,000	\$ 62,000
		Small Cap Common	\$ 170,000	\$ 226,000	\$ 177,000	\$ 11,000	\$ 14,000	\$ 1,000	\$ 23,000
		Small Cap AWT	\$ 36,000	\$ 48,000	\$ 48,000	\$ -	\$ -	\$ -	\$ -
		TOTALS	\$ 5,156,000	\$ 7,117,000	\$ 6,762,000	\$ 78,000	\$ 97,000	\$ 5,000	\$ 175,000
YEAR 12 (30/31)	17067	DAF Collector Recoating and Cover Replacement	\$ 786,000	\$ 1,105,000	\$ 1,105,000	\$ -	\$ -	\$ -	\$ -
	17520	Ferric Chloride System Reconstruction	\$ 764,000	\$ 1,073,000	\$ 631,000	\$ 96,000	\$ 120,000	\$ 6,000	\$ 219,000
	17527	Anaerobic Digester System Reconstruction	\$ 12,408,000	\$ 17,438,000	\$ 10,257,000	\$ 1,562,000	\$ 1,957,000	\$ 103,000	\$ 3,559,000
	17530	Digested Sludge Pump System Reconstruction	\$ 545,000	\$ 766,000	\$ 451,000	\$ 69,000	\$ 86,000	\$ 5,000	\$ 156,000
	17535	Odor Control Scrubber No.3 Replacement	\$ 1,559,000	\$ 2,191,000	\$ 1,289,000	\$ 196,000	\$ 246,000	\$ 13,000	\$ 447,000
		Small Cap Liquids	\$ 326,000	\$ 447,000	\$ 447,000	\$ -	\$ -	\$ -	\$ -
		Small Cap Solids	\$ 227,000	\$ 311,000	\$ 183,000	\$ 28,000	\$ 35,000	\$ 2,000	\$ 63,000
		Small Cap Common	\$ 170,000	\$ 233,000	\$ 182,000	\$ 12,000	\$ 15,000	\$ 1,000	\$ 24,000
		Small Cap AWT	\$ 36,000	\$ 49,000	\$ 49,000	\$ -	\$ -	\$ -	\$ -
		TOTALS	\$ 16,822,000	\$ 23,615,000	\$ 14,595,000	\$ 1,963,000	\$ 2,458,000	\$ 129,000	\$ 4,469,000

Table I.5 - Regional Treatment Plant Capital Improvement Plan (PC 17)

Project date	Project code	Capital Projects	Project cost	Project cost inflation adjusted	Project cost (adjusted) MNWD	Project cost (adjusted) SCWD	Project cost (adjusted) CLB	Project cost (adjusted) EBSD	Project cost (adjusted) ETWD
YEAR 13 ('31/'32)	17075	Polymer Storage Tank - Mannich Replacement	\$ 252,000	\$ 385,000	\$ 385,000	\$ -	\$ -	\$ -	\$ -
	17521	Bulk Polymer Storage and Transfer System Reconstruction	\$ 294,000	\$ 449,000	\$ 264,000	\$ 40,000	\$ 50,000	\$ 3,000	\$ 92,000
	17531	MCC M Replacement	\$ 491,000	\$ 750,000	\$ 441,000	\$ 67,000	\$ 84,000	\$ 4,000	\$ 153,000
	17727	MCC L Replacement	\$ 436,000	\$ 666,000	\$ 666,000	\$ -	\$ -	\$ -	\$ -
		Small Cap Liquids	\$ 326,000	\$ 461,000	\$ 461,000	\$ -	\$ -	\$ -	\$ -
		Small Cap Solids	\$ 227,000	\$ 321,000	\$ 189,000	\$ 29,000	\$ 36,000	\$ 2,000	\$ 66,000
		Small Cap Common	\$ 170,000	\$ 241,000	\$ 188,000	\$ 12,000	\$ 15,000	\$ 1,000	\$ 25,000
		Small Cap AWT	\$ 36,000	\$ 51,000	\$ 51,000	\$ -	\$ -	\$ -	\$ -
		TOTALS	\$ 2,232,000	\$ 3,324,000	\$ 2,646,000	\$ 148,000	\$ 186,000	\$ 10,000	\$ 335,000
	YEAR 14 ('32/'33)	17054	Primary Sedimentation Basin Upgrade	\$ 1,692,000	\$ 2,675,000	\$ 2,675,000	\$ -	\$ -	\$ -
17063		WAS Pump Station Reconstruction	\$ 469,000	\$ 741,000	\$ 741,000	\$ -	\$ -	\$ -	\$ -
17072		Grit Management Facility	\$ 1,781,000	\$ 2,817,000	\$ 2,817,000	\$ -	\$ -	\$ -	\$ -
17078		MCC 30310 Replacement	\$ 466,000	\$ 737,000	\$ 737,000	\$ -	\$ -	\$ -	\$ -
		Small Cap Liquids	\$ 326,000	\$ 476,000	\$ 476,000	\$ -	\$ -	\$ -	\$ -
		Small Cap Solids	\$ 227,000	\$ 331,000	\$ 195,000	\$ 30,000	\$ 37,000	\$ 2,000	\$ 68,000
		Small Cap Common	\$ 170,000	\$ 248,000	\$ 194,000	\$ 12,000	\$ 16,000	\$ 1,000	\$ 25,000
		Small Cap AWT	\$ 36,000	\$ 53,000	\$ 53,000	\$ -	\$ -	\$ -	\$ -
		TOTALS	\$ 5,168,000	\$ 8,079,000	\$ 7,888,000	\$ 42,000	\$ 53,000	\$ 3,000	\$ 93,000

Table I.5 - Regional Treatment Plant Capital Improvement Plan (PC 17)

Project date	Project code	Capital Projects	Project cost	Project cost inflation adjusted	Project cost (adjusted) MNWD	Project cost (adjusted) SCWD	Project cost (adjusted) CLB	Project cost (adjusted) EBSD	Project cost (adjusted) ETWD
YEAR 15 ('33/'34)	17336	Perimeter Fence Replacement	\$ 334,000	\$ 532,000	\$ 416,000	\$ 27,000	\$ 33,000	\$ 2,000	\$ 55,000
	17353	SCADA System Upgrade Project/2nd Phase	\$ 2,025,000	\$ 3,226,000	\$ 2,520,000	\$ 162,000	\$ 202,000	\$ 11,000	\$ 331,000
	17725	AWT SCADA System Upgrade	\$ 147,000	\$ 234,000	\$ 234,000	\$ -	\$ -	\$ -	\$ -
	17726	AWT No.2 Filter Sand Replacement and Underdrain Rehabilitation	\$ 358,000	\$ 571,000	\$ 571,000	\$ -	\$ -	\$ -	\$ -
	17728	AWT WQ Instrumentation Replacement	\$ 135,000	\$ 214,000	\$ 214,000	\$ -	\$ -	\$ -	\$ -
		Small Cap Liquids	\$ 326,000	\$ 491,000	\$ 491,000	\$ -	\$ -	\$ -	\$ -
		Small Cap Solids	\$ 227,000	\$ 342,000	\$ 201,000	\$ 31,000	\$ 38,000	\$ 2,000	\$ 70,000
		Small Cap Common	\$ 170,000	\$ 256,000	\$ 200,000	\$ 13,000	\$ 16,000	\$ 1,000	\$ 26,000
		Small Cap AWT	\$ 36,000	\$ 54,000	\$ 54,000	\$ -	\$ -	\$ -	\$ -
		TOTALS	\$ 3,758,000	\$ 5,920,000	\$ 4,902,000	\$ 232,000	\$ 290,000	\$ 15,000	\$ 482,000

Table M.1

Aliso Creek Ocean Outfall Capital Improvement Program (PC 24)

Project date	Project code	Capital Projects	Project cost	Project cost inflation adjusted	Project cost (adjusted) ETWD	Project cost (adjusted) EBSD	Project cost (adjusted) IRWD	Project cost (adjusted) CLB	Project cost (adjusted) MNWD	Project cost (adjusted) SCWD
YEAR 1 (2019/20)										
	3408-000	Sampling System Rehabilitation	\$106,253	\$106,253	\$17,319	\$829	\$16,745	\$11,688	\$46,592	\$13,080
		TOTALS	\$106,253	\$106,253	\$17,319	\$829	\$16,745	\$11,688	\$46,592	\$13,080
YEAR 2 (2020/21)										
	4401-000	Creek Section Pipeline Replacement Estimate Update	\$50,703	\$50,703	\$8,265	\$395	\$7,991	\$5,577	\$22,233	\$6,242
		TOTALS	\$50,703	\$50,703	\$8,265	\$395	\$7,991	\$5,577	\$22,233	\$6,242
YEAR 4 (2022/23)										
	24111	Metering and Sampling Review	\$60,000	\$65,946	\$10,749	\$514	\$10,393	\$7,254	\$28,917	\$8,118
		TOTALS	\$60,000	\$65,946	\$10,749	\$514	\$10,393	\$7,254	\$28,917	\$8,118

Table M.1

Aliso Creek Ocean Outfall Capital Improvement Program (PC 24)

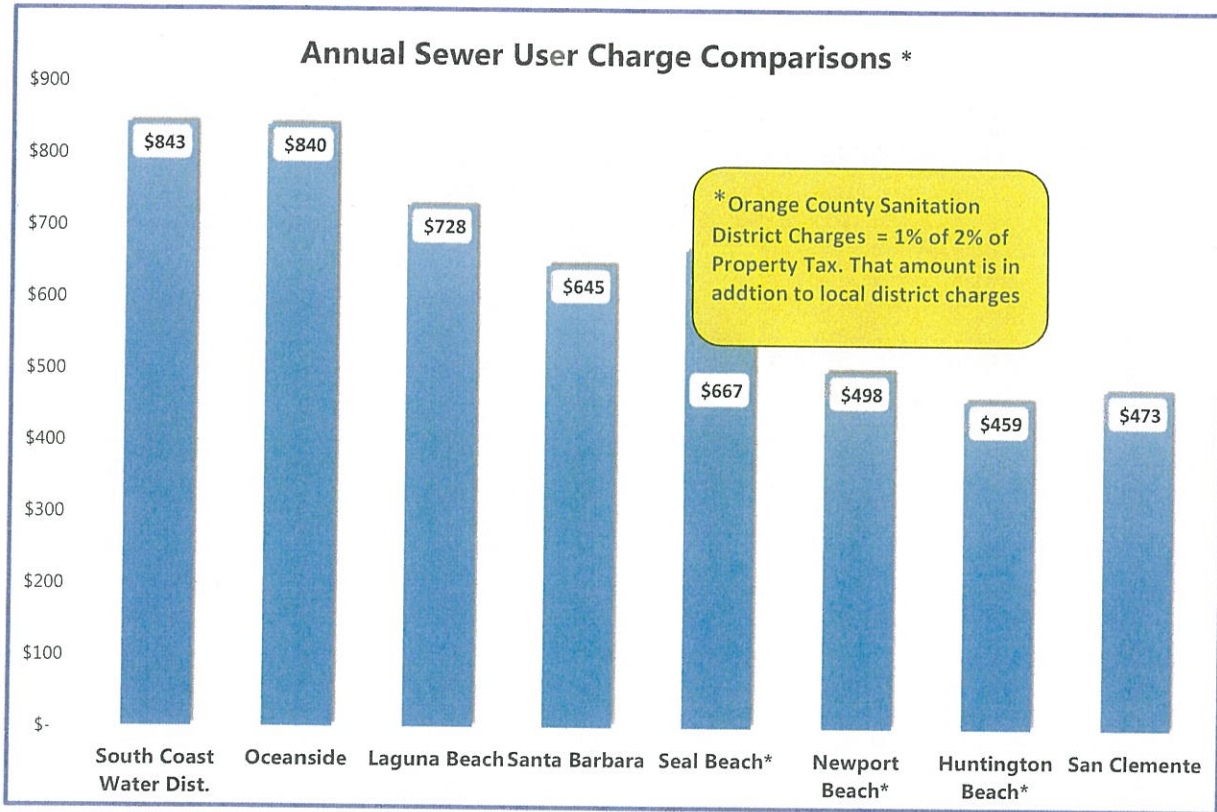
Project date	Project code	Capital Projects	Project cost	Project cost inflation adjusted	Project cost (adjusted) ETWD	Project cost (adjusted) EBSD	Project cost (adjusted) IRWD	Project cost (adjusted) CLB	Project cost (adjusted) MNWD	Project cost (adjusted) SCWD
YEAR 6 (2024/25)										
	24112	Metering Station Reconstruction Design and Permitting	\$150,000	\$175,586	\$28,621	\$1,370	\$27,672	\$19,314	\$76,994	\$21,615
		TOTALS	\$150,000	\$175,586	\$28,621	\$1,370	\$27,672	\$19,314	\$76,994	\$21,615
YEAR 7 (2025/26)										
	24113	Metering Station Reconstruction	\$1,250,000	\$1,510,039	\$246,136	\$11,778	\$237,982	\$166,104	\$662,152	\$185,886
		TOTALS	\$1,250,000	\$1,510,039	\$246,136	\$11,778	\$237,982	\$166,104	\$662,152	\$185,886
YEAR 8 (2026/27)										
	24114	Land Outfall Realignment Design and Permitting	\$480,000	\$598,410	\$97,541	\$4,668	\$94,309	\$65,825	\$262,403	\$73,664
		TOTALS	\$480,000	\$598,410	\$97,541	\$4,668	\$94,309	\$65,825	\$262,403	\$73,664

Table M.1

Aliso Creek Ocean Outfall Capital Improvement Program (PC 24)

Project date	Project code	Capital Projects	Project cost	Project cost inflation adjusted	Project cost (adjusted) ETWD	Project cost (adjusted) EBSD	Project cost (adjusted) IRWD	Project cost (adjusted) CLB	Project cost (adjusted) MNWD	Project cost (adjusted) SCWD
YEAR 10										
(2028/29)										
	24115	Land Outfall Realignment Construction	\$6,000,000	\$7,966,518	\$1,298,542	\$62,139	\$1,255,523	\$876,317	\$3,493,318	\$980,678
		TOTALS	\$6,000,000	\$7,966,518	\$1,298,542	\$62,139	\$1,255,523	\$876,317	\$3,493,318	\$980,678
YEAR 15										
(2033/34)										
	24116	Internal Seal Replacement	\$95,000	\$147,652	\$24,067	\$1,152	\$23,270	\$16,242	\$64,745	\$18,176
		TOTALS	\$95,000	\$147,652	\$24,067	\$1,152	\$23,270	\$16,242	\$64,745	\$18,176

SEWER USER CHARGE COMPARISONS



November 12, 2019

Proposed Schedule of Sewer Service Charges FY 2020-21 to 23-24

ATTACHMENT 6

PROPOSED SEWER SERVICE CHARGE SCHEDULE					
Description	Increases (Years 1 - 4 @ 6%)				
	Current FY 2019/20	Proposed FY 2020/21	Proposed FY 2021/22	Proposed FY 2022/23	Proposed FY 2023/24
Unimproved Lots - Annual charge per parcel	\$526.00	\$558.00	\$591.00	\$626.00	\$664.00
Monthly Cost	\$43.83	\$46.50	\$49.25	\$52.17	\$55.33
Annual Cost	\$546.00	\$590.00	\$624.00	\$661.00	\$702.00
difference in monthly costs	\$1.66	\$2.67	\$2.75	\$2.92	\$3.16
difference in annual costs	\$20.00	\$32.00	\$33.00	\$35.00	\$38.00
Ultra-Low Water User Single Family Units					
Annual charge per unit	\$596.00	\$632.00	\$670.00	\$710.00	\$753.00
Monthly Cost	\$49.67	\$52.67	\$55.83	\$59.17	\$62.75
difference in monthly costs	\$1.92	\$3.00	\$3.16	\$3.34	\$3.58
difference in annual costs	\$23.04	\$36.00	\$37.92	\$40.08	\$42.96
Single Family Units - Annual charge per unit	\$728.00	\$772.00	\$818.00	\$867.00	\$919.00
Monthly Cost	\$60.67	\$64.33	\$68.17	\$72.25	\$76.58
Monthly Difference Year to Year	\$2.33	\$3.67	\$3.83	\$4.08	\$4.33
difference in monthly costs	\$2.33	\$3.67	\$3.83	\$4.08	\$4.33
difference in annual costs	\$28.00	\$44.00	\$46.00	\$49.00	\$52.00
Condominiums - Annual charge per unit	\$716.00	\$759.00	\$805.00	\$853.00	\$904.00
Monthly Cost	\$59.67	\$63.25	\$67.08	\$71.08	\$75.33
difference in monthly costs	\$2.34	\$3.58	\$3.83	\$4.00	\$4.25
difference in annual costs	\$28.08	\$42.96	\$45.96	\$48.00	\$51.00
Apartments (2 Units) - Annual charge per unit	\$643.00	\$682.00	\$723.00	\$766.00	\$812.00
Monthly Cost	\$53.58	\$56.83	\$60.25	\$63.83	\$67.67
difference in monthly costs	\$2.08	\$3.25	\$3.42	\$3.58	\$3.84
difference in annual costs	\$24.96	\$39.00	\$41.04	\$42.96	\$46.08
Apartments (3 Units+) - Annual charge per unit	\$590.00	\$625.00	\$663.00	\$703.00	\$745.00
Monthly Cost	\$49.17	\$52.08	\$55.25	\$58.58	\$62.08
difference in monthly costs	\$1.92	\$2.91	\$3.17	\$3.33	\$3.50
difference in annual costs	\$23.04	\$34.92	\$38.04	\$39.96	\$42.00
Commercial Light - Annual Charge					
Charge per 100 cubic ft. (ccf) of water consumption	\$4.06/ccf	\$4.3/ccf	\$4.56/ccf	\$4.83/ccf	\$5.12/ccf
Minimum annual amount per parcel	\$716 min.	\$745 min.	\$789 min.	\$837 min.	\$887 min.
Commercial Medium - Annual Charge					
Charge per 100 cubic ft. (ccf) of water consumption	\$6.22/ccf	\$6.59/ccf	\$6.98/ccf	\$7.4/ccf	\$7.85/ccf
Minimum annual amount per parcel	\$716 min.	\$745 min.	\$789 min.	\$837 min.	\$887 min.
Commercial Heavy - Annual Charge					
Charge per 100 cubic ft. (ccf) of water consumption	\$8.98/ccf	\$9.51/ccf	\$10.09/ccf	\$10.69/ccf	\$11.33/ccf
Minimum annual amount per parcel	\$716 min.	\$745 min.	\$789 min.	\$837 min.	\$887 min.

> Ultra-low users are those using up to 3 ccf per month

	5	6	7	8	9
Commercial Light - Annual Charge					
Charge per 100 cubic ft. (ccf) of water consumption	\$4.06	\$4.30	\$4.56	\$4.83	\$5.12
Minimum annual amount per parcel	\$716.00	\$744.64	\$789.32	\$836.68	\$886.88
Commercial Medium - Annual Charge					
Charge per 100 cubic ft. (ccf) of water consumption	\$6.22	\$6.59	\$6.98	\$7.40	\$7.85
Minimum annual amount per parcel	\$716.00	\$744.64	\$789.32	\$836.68	\$886.88
Commercial Heavy - Annual Charge					
Charge per 100 cubic ft. (ccf) of water consumption	\$8.98	\$9.51	\$10.09	\$10.69	\$11.33
Minimum annual amount per parcel	\$716.00	\$744.64	\$789.32	\$836.68	\$886.88