

I hereby certify that the following agenda was posted at least 72 hours prior to the time of the meeting so noticed below at 24251 Los Alisos Boulevard, Lake Forest, California.



DENNIS P. CAFFERTY, Secretary of the El Toro Water District and the Board of Directors thereof



AGENDA

EL TORO WATER DISTRICT

REGULAR MEETING OF THE BOARD OF DIRECTORS FINANCE AND INSURANCE COMMITTEE MEETING AND ENGINEERING COMMITTEE MEETING

September 20, 2021

7:30 a.m.

Members of the public who wish to comment on any item within the jurisdiction of the District or on any item on the agenda, attend the meeting in person at the District's office or may observe and address the Meeting by joining at this link:

<https://us02web.zoom.us/j/88075980559>. (Meeting ID: 880 7598 0559).

Members of the public who wish only to listen to the telephonic meeting may dial in at the following numbers (669) 900-6833 or (346) 248-7799 with the same Meeting ID noted above. Please be advised the Meeting is being recorded.

CALL TO ORDER – President Gaskins

PLEDGE OF ALLEGIANCE – Director Monin

ORAL COMMUNICATIONS/PUBLIC COMMENTS

Members of the public may address the Board at this time or they may reserve this opportunity with regard to an item on the agenda until said item is discussed by the Board. Comments on other items will be heard at the times set aside for "COMMENTS REGARDING NON-AGENDA ENGINEERING COMMITTEE ITEMS" or for "COMMENTS REGARDING NON-AGENDA FIC ITEMS." The public may identify themselves when called on and limit their comments to three minutes.

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

Determine need and take action to agendize item(s) which arose subsequent to the posting of the Agenda. (ROLL CALL VOTE: Adoption of this recommendation requires a two-thirds vote of the Board members present, or, if less than two-thirds of the Board members are present, a unanimous vote of those members present.)

FINANCE AND INSURANCE COMMITTEE MEETING

CALL MEETING TO ORDER – Director Havens

1. Consent Calendar

(All matters under the Consent Calendar will be approved by one motion unless a Board member or a member of the public requests separate action or discussion on a specific item)

- a. Consider approving the minutes of the August 23, 2021 Finance and Insurance Committee meeting (Minutes Included)

Recommended Action: The Board will be requested to approve the subject minutes listed above in the Consent Calendar.

APPROVAL OF ITEMS REMOVED FROM TODAY'S FINANCE AND INSURANCE COMMITTEE CONSENT CALENDAR

The Board will discuss items removed from today's Finance and Insurance Committee Consent Calendar requiring further discussion.

Recommended Action: The Board will be requested to approve the items removed from today's Finance and Insurance Committee Consent Calendar.

FINANCIAL INFORMATION ITEMS

2. Update on Financing Plan for Near-term Future Capital Projects

Staff will provide an update on the status of the financing plan for upcoming large capital projects.

3. Tiered Water Usage and Revenue Tracking (Reference Material Included)

Staff will review and comment on monthly and year to date Tiered Water Usage and Revenue tracking.

4. **Update on the Implementation of the Springbrook Software System**

Staff will provide an update on the status of the implementation of the Springbrook Software System.

FINANCIAL ACTION ITEMS

5. **Financial Package - Authorization to Approve Bills for Consideration dated September 20, 2021 and Receive and File Financial Statements as of August 31, 2021** (Reference Material Included)

The Board will consider approving the Bills for Consideration dated September 20, 2021 and Receive and File Financial Statements as of August 31, 2021.

Recommended Action: Staff recommends that the Board 1) approve, ratify and confirm payment of those bills as set forth in the schedule of bills for consideration dated September 20, 2021, and 2) receive and file the Financial Statements for the period ending August 31, 2021.

COMMENTS REGARDING NON-AGENDA FIC ITEMS

CLOSE FINANCE AND INSURANCE COMMITTEE MEETING

ENGINEERING COMMITTEE

CALL MEETING TO ORDER – Director Vergara

6. **Consent Calendar**

(All matters under the Consent Calendar will be approved by one motion unless a Board member or a member of the public requests separate action or discussion on a specific item)

- a. Consider approving the minutes of the August 23, 2021 Engineering Committee meeting. (Minutes Included)

Recommended Action: The Board will be requested to approve the subject minutes.

APPROVAL OF ITEMS REMOVED FROM TODAY'S ENGINEERING COMMITTEE

CONSENT CALENDAR

The Board will discuss items removed from today's Engineering Committee Consent Calendar requiring further discussion.

Recommended Action: The Board will be requested to approve the items removed from today's Engineering Committee Consent Calendar.

ENGINEERING ACTION ITEMS

7. WRP Forklift Replacement (Reference Material Included)

Staff will review and comment on the proposed purchase of a replacement forklift for the Water Recycling Plant.

Recommended Action:

Staff recommends that the Board of Directors authorize General Manager to enter into a purchase order with Select Equipment in the amount of \$83,580.59 for the purchase of a replacement forklift for the Water Recycling Plant. Staff further recommends that the Board authorize the General Manager to fund the purchase cost from the designated Capital Reserves in accordance with the District's adopted Capital Reserve Policy.

GENERAL INFORMATION ITEMS

8. IRWD Water Banking Project

Staff will provide an update on the IRWD water banking program at Strand Ranch.

9. El Toro Water District Capital Project Status Report (Reference Material Included)

Staff will review and comment on the El Toro Water District Capital Project Status Report.

10. Engineering Items Discussed at Various Conferences and Meetings (Oral Report)

The Committee will discuss any pertinent Engineering items discussed at Conferences.

COMMENTS REGARDING NON-AGENDA ENGINEERING COMMITTEE ITEMS

CLOSE ENGINEERING COMMITTEE MEETING

ATTORNEY REPORT

CLOSED SESSION

At this time the Board will go into Closed Session as follows:

1. Pursuant to Government Code Section 54956.9 (d) (1) to consult with legal counsel and staff on a matter of pending litigation. [Class Action] *Kessner et al. v. City of Santa Clara, et al. (Santa Clara County Superior Court - Case No. 20 CV 364054).*
2. In accordance with Government Code Section 54956.96 in order to receive, discuss, and/or take action concerning information obtained by the District's representative pertaining to a closed session of the South Orange County Wastewater Authority ("SOCWA"), a joint powers agency.

REGULAR SESSION

REPORT ON CLOSED SESSION (Legal Counsel)

Mr. Granito will provide an oral report on the Closed Session.

ADJOURNMENT

The agenda material for this meeting is available to the public at the District's Administrative Office, which is located at 24251 Los Alisos Blvd., Lake Forest, Ca. 92630. If any additional material related to an open session agenda item is distributed to all or a majority of the board of directors after this agenda is posted, such material will be made available for immediate public inspection at the same location.

Request for Disability-Related Modifications or Accommodations

If you require any disability-related accommodation, including auxiliary aids or services, in order to participate in this public meeting, please telephone the District's Recording Secretary, Polly Welsch at (949) 837-7050, extension 225 at least forty-eight (48) hours prior to said meeting. If you prefer, your request may be submitted in writing to El Toro Water District, P.O. Box 4000, Laguna Hills, California 92654, Attention: Polly Welsch.

MINUTES OF THE REGULAR MEETING
OF THE
FINANCE & INSURANCE COMMITTEE

August 23, 2021

At approximately 7:30 a.m. President Gaskins called the regular meeting to order via zoom.

Director Vergara led in the Pledge of Allegiance to the flag.

Committee Members MIKE GASKINS, KATHRYN FRESHLEY, JOSE VERGARA, MARK MONIN (via zoom), and KAY HAVENS participated.

Also participating were DENNIS P. CAFFERTY, General Manager, JUDY CIMORELL, Human Resources Manager, JASON HAYDEN, CFO, GILBERT J. GRANITO, General Counsel, MICHAEL COLANTUONO, Special Counsel, SCOTT HOPKINS, Operations Superintendent, HANNAH FORD, Engineering Manager, KEITH STRIBLING, HIGHMARK Representative, CAROL MOORE, Laguna Woods Council Member (via zoom), and POLLY WELSCH, Recording Secretary (via zoom).

Oral Communications/Public Comments

There were no comments.

Items Received Too Late to be Agendized

President Gaskins asked if there were any items received too late to be agendized. Mr. Cafferty replied no.

Presentation of Awards, Recognitions and Introductions

Mr. Cafferty introduced to the Board Hannah Ford, Engineering Manager.

Finance & Insurance Committee Meeting

At approximately 7:35 a.m. Director Havens called the Finance meeting to order.

Consent Calendar

Director Havens asked for a Motion.

Motion: Director Monin made a motion, seconded by Director Vergara and unanimously carried across the Board to approve the Consent Calendar.

Roll Call Vote:

Director Havens	aye
Vice President Freshley	aye
Director Vergara	aye
President Gaskins	aye
Director Monin	aye

Quarterly Review of the District's 401(k) Retirement Savings Plan

Mr. Stribling stated that the portfolios were up between 6.5% and 3.5% and Fixed Income did better on a relative basis. He further stated that Year-to-Date has been a good year on both an absolute basis and a relative basis.

Mr. Stribling stated that conservative Fixed Income was flat in the first quarter, but the portfolios with other Equities in them did very well. He further stated that in general Active outperformed Passive.

Mr. Stribling stated that the Large Cap Value Fund performed great, and Large Cap Growth had a good second quarter. He further stated that Small Cap was mixed, and Alternatives did well.

Mr. Stribling stated that with our economy there were 3 main investment issues; COVID – the Delta variant, inflation, and a potential fiscal cliff.

Mr. Stribling stated that Small Cap Growth has had a rough year and quarter, and hasn't done well. He further stated that the Black Rock fund has not done well.

Director Monin asked on the Russell 2000 and 3000, is the Victory fund in the middle of these. Mr. Stribling replied that he will check into this fund and get back to us.

At approximately 8:00 a.m. Mr. Stribling left the meeting.

Attorney Report

Closed Session

At approximately 8:00 a.m. the Board went into Closed Session as agendized on today's Closed Session agenda. Also at this time, everyone left the meeting except for the Board, General Manager, Mr. Granito, and Mr. Colantuono.

Open Session Report

At approximately 8:20 a.m. the Board returned to Regular Session. Also at this time, everyone returned except for Mr. Colantuono who left the meeting.

Mr. Granito reported that the Board did go into Closed Session as reflected in today's agenda and during the Closed Session, Special Counsel Michael G. Colantuono, and General Counsel Gil Granito, and the General Manager Dennis Cafferty, led a discussion with regard to the Kessner litigation. No reportable action was taken.

Financial Information Items

Update on Financing Plan for Near-term Future Capital Projects

Mr. Hayden provided a short update on the status of the financing process for upcoming large capital projects. Mr. Hayden noted that Staff had been meeting with NHA Advisors regarding the financial analysis and was recommending engaging the services of Stradling, Yocca, Carlson, & Rauth as bond counsel for the District.

Tiered Water Usage and Revenue Tracking

Mr. Cafferty stated that staff is continuing messaging to our customers about the Governor's request to reduce water use by 15% compared to 2020 water use.

Vice President Freshley stated that United's water use has nearly doubled, and she suggested that we spend some time educating them on how to cut back on outside water use.

Financial Action Items

Enterprise Resource Planning Software System

Mr. Cafferty stated that at the July Special Board meeting, there was discussion about the Springbrook software which would be intended to replace the District's Accounting system, Payroll system, and Billing system and integrate these systems into one coordinated software system. He further stated that staff has been working with Springbrook to get contract documents developed to finalize the proposal.

Mr. Cafferty stated that the contract documents are included in the Board package, while staff continues to work with Springbrook to clean up some language that is not yet satisfactory.

Vice President Freshley asked if we will have progress billing. Mr. Hayden replied yes.

Vice President Freshley asked if the data usage and storage is more than 500 gigabytes, so what happens if the District exceeds this limit. Mr. Hayden replied that the District should not come close to this number of gigabytes of storage because the current system which has been used for 20 years only has 5 gigabytes of storage. Vice President Freshley asked how long we have to keep our data. Mr. Hayden replied at least 7 years.

Vice President Freshley asked if the agreement was modified to cap the annual increases at 5% instead of 7% . Mr. Hayden replied that the order form has been modified and now includes a maximum increase of 5% per year.

Vice President Freshley asked if there is a dispute to be resolved in a California court, how can the laws of Oregon apply. Mr. Cafferty replied that the Order Form modifies this section by Title as being changed to California law which the Order Form will state that it supersedes Oregon law.

Director Monin stated that he would feel more comfortable voting on this when the language has been corrected. Director Havens proposed that we continue this discussion and voting to Thursday's regular Board meeting.

Vice President Freshley asked if on-line payments is a new process for us. Mr. Hayden replied no, we currently offer on-line payments through our website using a portal. President Gaskins asked if the surcharge will go away. Mr. Hayden replied no, there will still be a surcharge through Civic Pay , however part of the cost we may consider absorbing.

Director Monin stated that Civic Pay is a pay system, and have we checked into how secure they are. Mr. Hayden replied that they are PCI compliant and secure.

Vice President Freshley asked does this system have the feature to withhold court-ordered funds from an individual's pay. Mr. Hayden replied yes it does.

Vice President Freshley asked what is KVS Software. Mr. Hayden replied that it doesn't apply to us, so it should not be included in the agreement.

Director Vergara stated that he agrees that we need to see the written changes before we agree to anything.

Director Havens asked what will happen to our Tiered metering system. Mr. Hayden replied that it will be included in the proposed billing system module.

Director Havens asked about the AMI interface and sharing customer data. Mr. Hayden replied that Springbrook already has AMI interfaces and can import the data

into the Utility Billing module.

Vice President Freshley stated that she was surprised to see the payroll implementation in training was 249 hours because it's a simple training. Mr. Hayden replied that payroll is a complicated system and the implementation and training process will include offsetting dozens of different pay codes.

Director Havens asked for a Motion.

Motion: President Gaskins made a Motion, seconded by Vice President Freshley and unanimously carried across the Board to continue this discussion and adjourn today's Finance and Insurance Committee meeting to August 26, 2021 at the time of 7:30 a.m. or shortly thereafter (a copy of the Notice of Adjournment is attached to these minutes), and defer voting on authorizing the District's General Manager to 1) enter into a contract with Springbrook in the amount of \$42,910.65 for an annual software subscription, and 2) enter into a contract in the amount of \$130,133 with Springbrook for professional services associated with implementation and training.

Roll Call Vote:

Director Havens	aye
Director Vergara	aye
Director Monin	aye
Vice President Freshley	aye
President Gaskins	aye

Certificates of Participation (COP) Legal Counsel

Mr. Hayden stated that this item was discussed at the Special Board meeting. He further stated that Stradling Yocca Carlson & Rauth was the #1 choice for Bond Counsel.

Director Vergara asked if there is another company handling the financial part.
Mr. Cafferty replied yes, it's NHA Advisors, which is the best fit for the District.

Director Havens asked what a private placement is. Mr. Hayden replied that it would be if the District were to market the financing privately to individual banks but this would be unlikely to happen due to the size of the loan.

Director Havens asked for a Motion.

Motion: Director Vergara made a Motion, seconded by President Gaskins, and unanimously carried across the Board to authorize the District's General Manager to enter into a contract with Stradling Yocca Carlson & Rauth in the amount of \$70,000.00 to provide legal counsel and services necessary for the District to successfully issue Certificates of Participation (COP).

Roll Call Vote:

Director Havens	aye
Director Vergara	aye
Director Monin	aye
Vice President Freshley	aye
President Gaskins	aye

Financial Package – Authorization to Approve Bills for Consideration dated August 23, 2021 and Receive and File Financial Statements as of July 31, 2021

Vice President Freshley asked on the Income Statement, why the electrical power was almost 45% above what was budgeted. Mr. Hayden replied that it is most likely a seasonal impact issue.

Mr. Hayden stated that in regards to Accounts Receivable, Aging Analysis he is working on a survey from the State Water Resources Board which received some money from the Federal Government and they may reimburse the District for some of the unpaid utility bill debt.

Director Havens asked for a Motion.

Motion: Director Monin made a Motion, seconded by President Gaskins and unanimously carried across the Board to approve, ratify, and confirm payment of those bills as set forth in the schedule of bills for consideration dated August 23, 2021, and receive and file the financial statements for the period ending July 31, 2021.

Roll Call Vote:

Director Havens	aye
Vice President Freshley	aye
Director Vergara	aye
President Gaskins	aye
Director Monin	aye

Comments Regarding Non-Agenda FIC Items

There were no comments.

Close Finance and Insurance Committee Meeting

There being no further business the Finance Committee meeting was closed at approximately 9:10 a.m.

Respectfully submitted,

POLLY WELSCH
Recording Secretary

APPROVED:

MIKE GASKINS, President
of the El Toro Water District and the
Board of Directors thereof

DENNIS P. CAFFERTY, Secretary
of the El Toro Water District and the
Board of Directors thereof

MINUTES OF THE ADJOURNED MEETING
OF THE
FINANCE & INSURANCE COMMITTEE
OF AUGUST 23, 2021
CONTINUED TO THE REGULAR BOARD MEETING
OF AUGUST 26, 2021

At approximately 8:20 a.m. President Gaskins called the Adjourned meeting of the regular Finance and Insurance Meeting to order.

ERP Software System

Mr. Cafferty stated that this item was carried over from Tuesday's Finance Committee meeting due to staff being in the process of negotiating with Springbrook on some language in the Agreement on their standard contracts.

Mr. Cafferty stated that the changes are that their standard contracts refer to abiding by the laws of Oregon where their Corporate Headquarters are located, and we requested that they change it to the state of California. He further stated that Springbrook has agreed to this change.

President Gaskins asked for a Motion.

Motion: Vice President Freshley made a Motion, seconded by Director Vergara and unanimously carried across the Board to authorize the District's General Manager to 1) enter into a contract with Springbrook in the amount of \$42,910.65 for an annual software subscription, and 2) enter into a contract in the amount of \$130,133 with Springbrook for professional services associated with implementation and training.

Roll Call Vote:

Director Havens	aye
Director Vergara	aye

Director Monin	aye
Vice President Freshley	aye
President Gaskins	aye

Vice President Freshley asked when we will be switching to the new system. Mr. Cafferty replied it will be happening at the beginning of the new fiscal year. Vice President Freshley suggested a monthly report at the Finance meetings to keep the Board updated until we are ready to switch over to the new system.

Adjournment

There being no further business to come before the Board, the adjourned meeting of the Finance and Insurance Committee was adjourned at 8:30 a.m.

Respectfully submitted,

POLLY WELSCH
Recording Secretary

APPROVED:

MIKE GASKINS, President of
the El Toro Water District and the
Board of Directors thereof

DENNIS P. CAFFERTY, Secretary
of the El Toro Water District and
the Board of Directors thereof



STAFF REPORT

To: BOARD OF DIRECTORS

Meeting Date: September 20, 2021

From: Jason Hayden, Chief Financial Officer

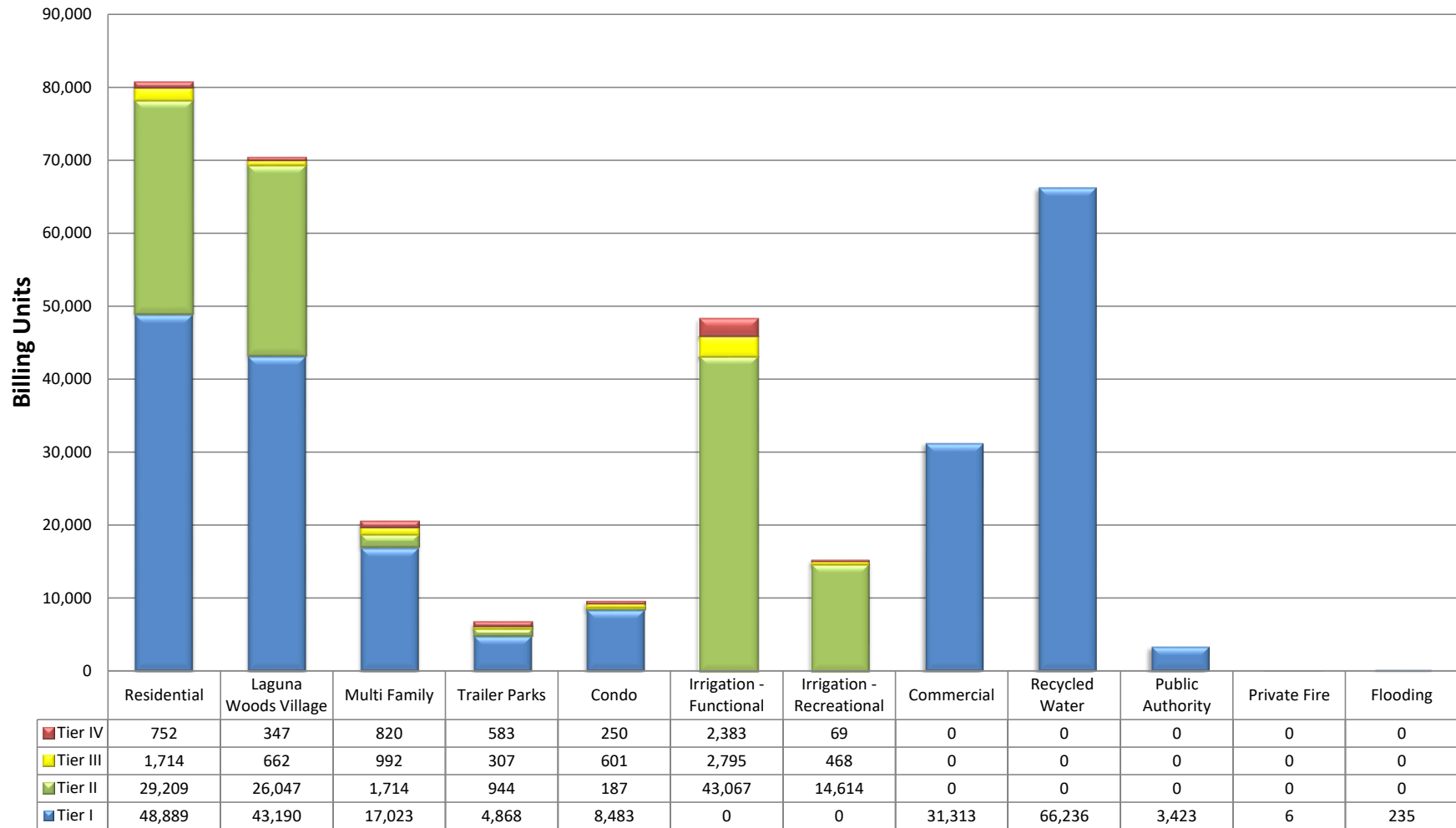
Subject: Capital Project Financing Update

At the August 24, 2021 Board Meeting the Board approved a contract with Stradling, Yocca, Carlson, & Rauth to serve as the District legal counsel during the financing process. The General Manager executed a contract with Stradling, Yocca, Carlson, & Rauth shortly after the Board meeting.

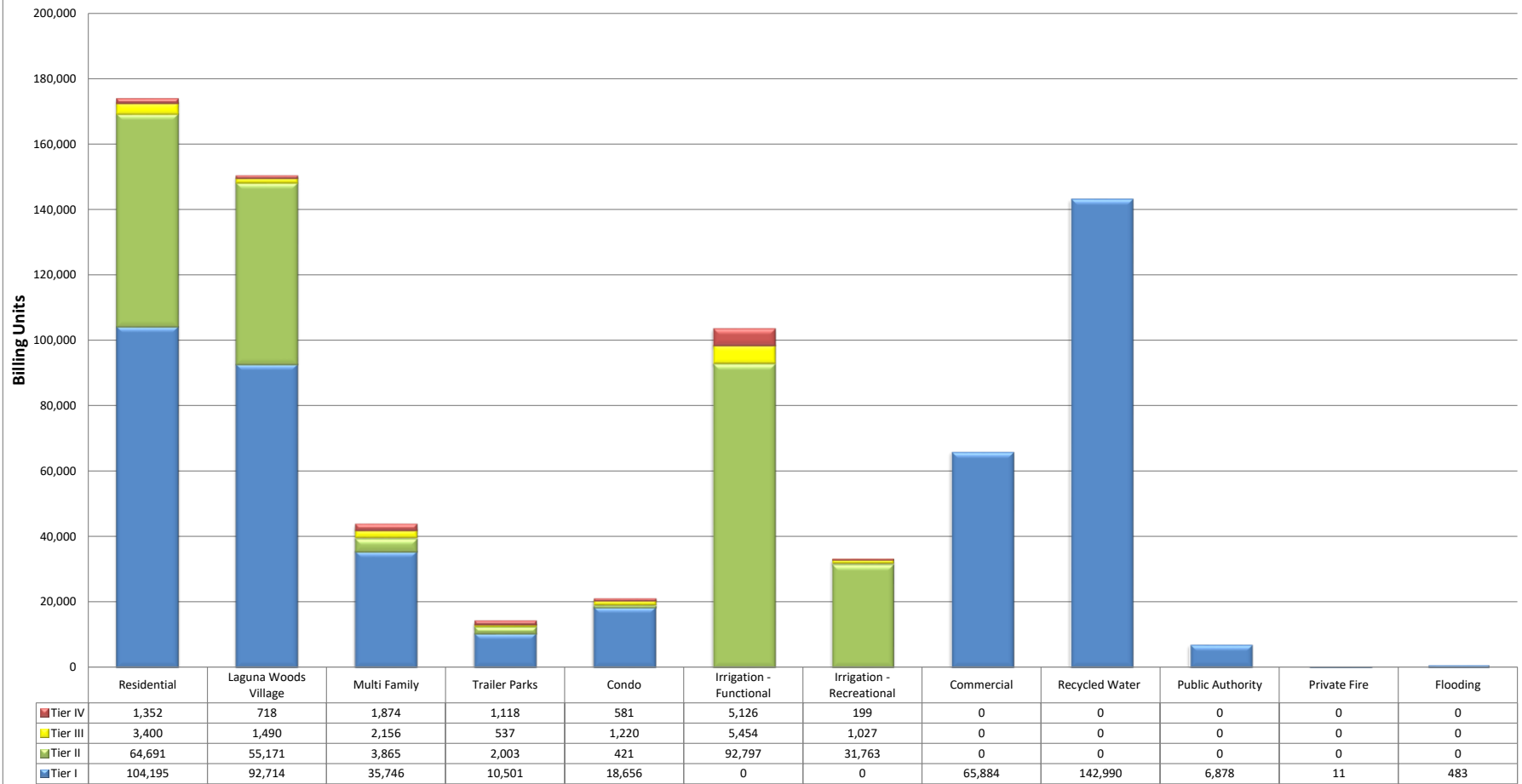
Since the meeting on August 24, 2021, Finance Staff has been working with NHA Advisors, the financial advisory firm, as they analyze the District's prior financing arrangements (the loans from the State Water Resources Board and the loan from Texas State Capital Bank) and review the District's finances. On September 15, 2021, District Staff had a Zoom meeting with NHA Advisors and the District's Financing Legal Counsel to discuss the financial analysis and the options available to the District based on the legal constraints posed by prior financings.

NHA Advisors and District Staff will continue to discuss these options and provide a presentation at the October Finance & Insurance Committee meeting.

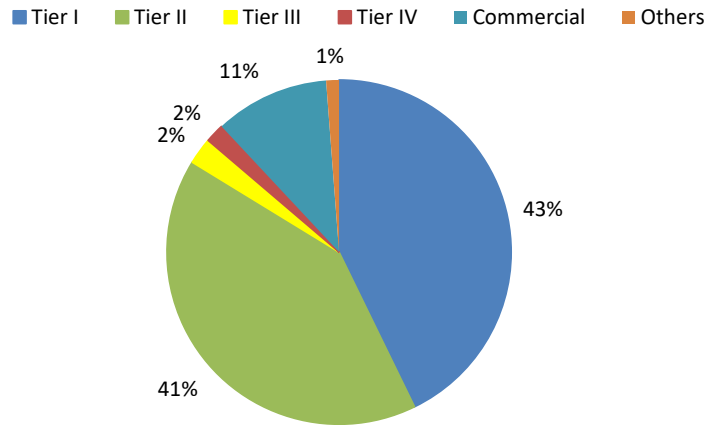
August 2021 Water Sales



Year-to-Date Water Sales as of August 2021

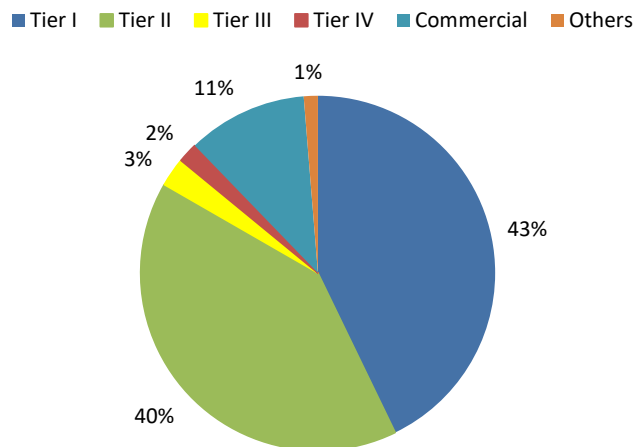


Year to Date Potable Sales As of August 2021



Year To Date Sales in ccf		
Tier I	261,812	42.78%
Tier II	250,711	40.96%
Tier III	15,284	2.50%
Tier IV	10,968	1.79%
Commercial	65,884	10.76%
Others	7,372	1.20%
Total	612,031	100.00%

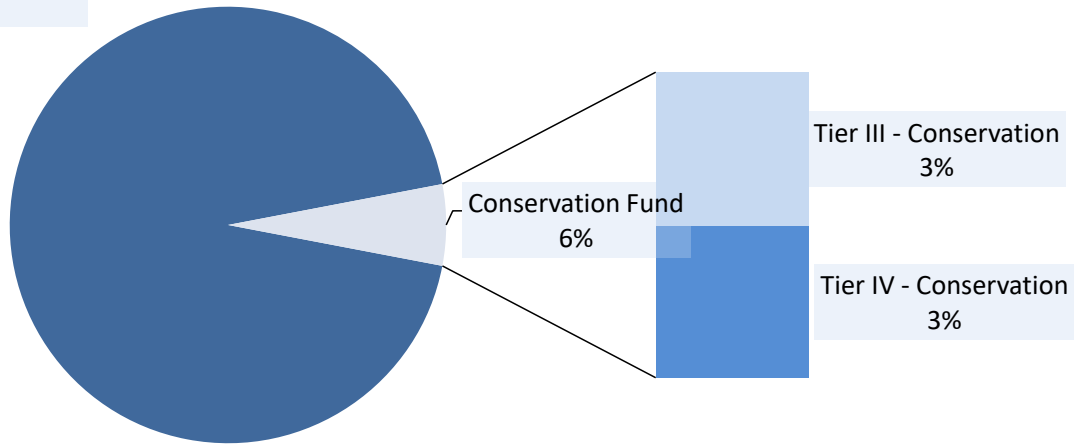
August 2021 Potable Sales



Current Month Sales in ccf		
Tier I	122,453	42.82%
Tier II	115,782	40.49%
Tier III	7,539	2.64%
Tier IV	5,204	1.82%
Commercial	31,313	10.95%
Others	3,664	1.28%
Total	285,955	100.00%

Year to Date Water Sales as of August 2021

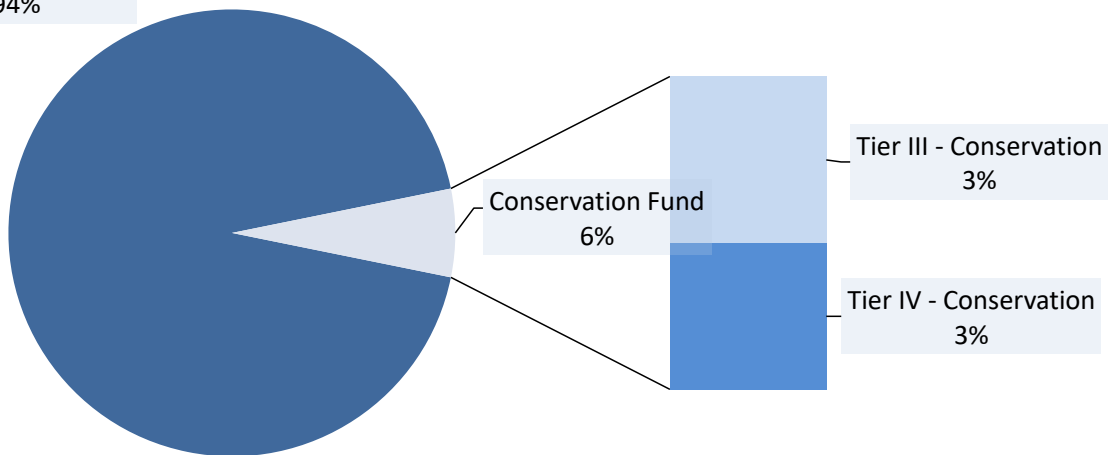
Water Delivery Cost
94%



Category	Billings	Percentage
Water Delivery Cost	\$1,559,053.82	94.00%
Tier III - Conservation	\$50,232.86	3.03%
Tier IV - Conservation	\$49,341.24	2.97%
	\$1,658,627.92	100.00%

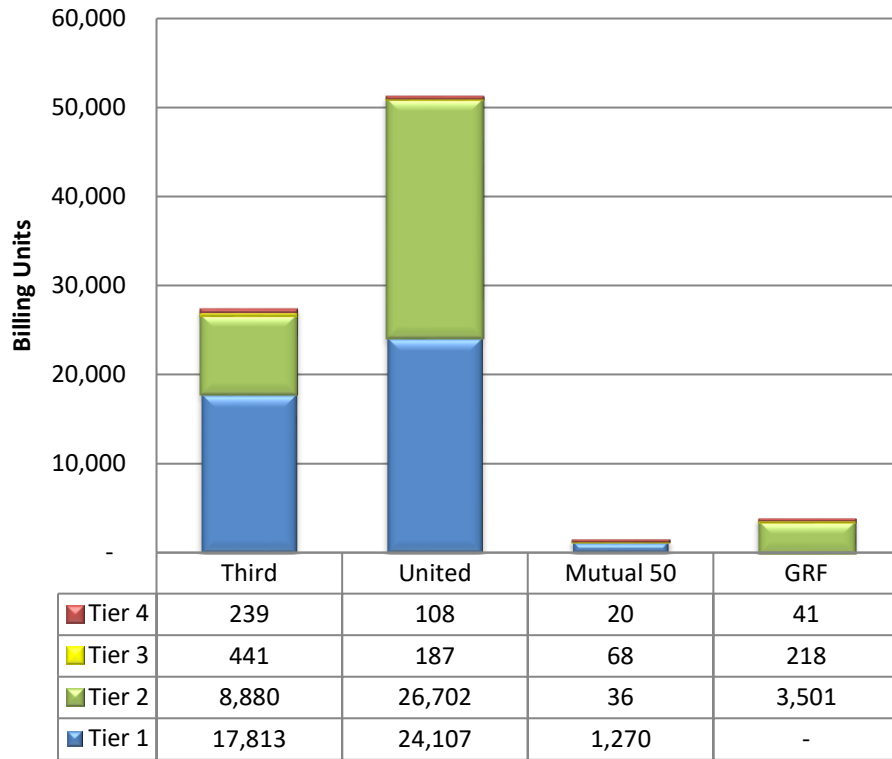
August 2021 Water Sales

Water Delivery Cost
94%

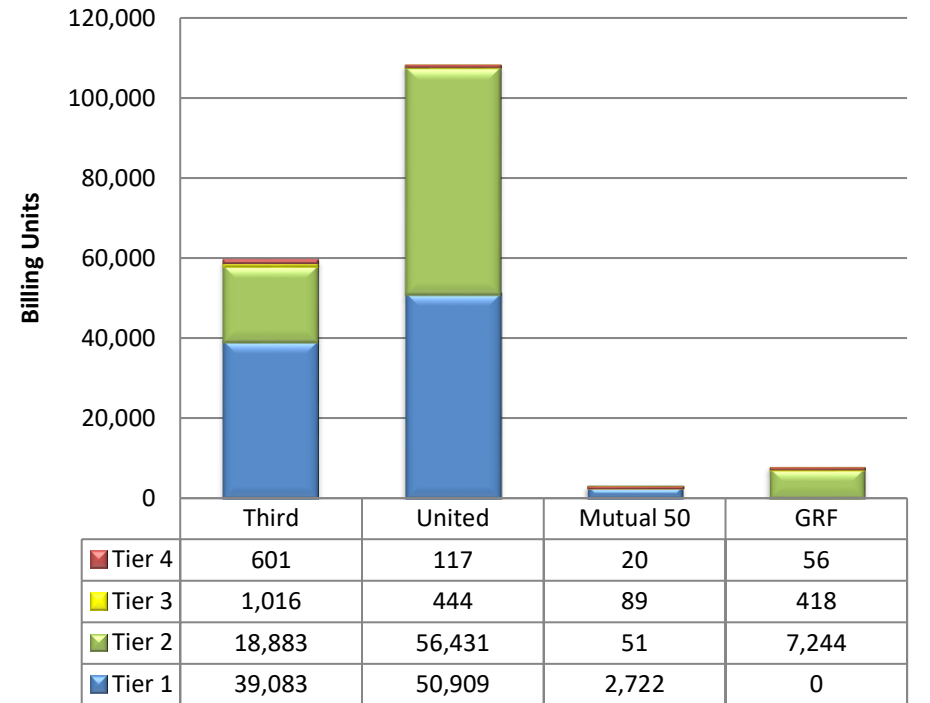


Category	Billings	Percentage
Water Delivery Cost	\$735,534.34	93.63%
Tier III - Conservation	\$26,688.06	3.40%
Tier IV - Conservation	\$23,370.12	2.97%
	\$785,592.52	100.00%

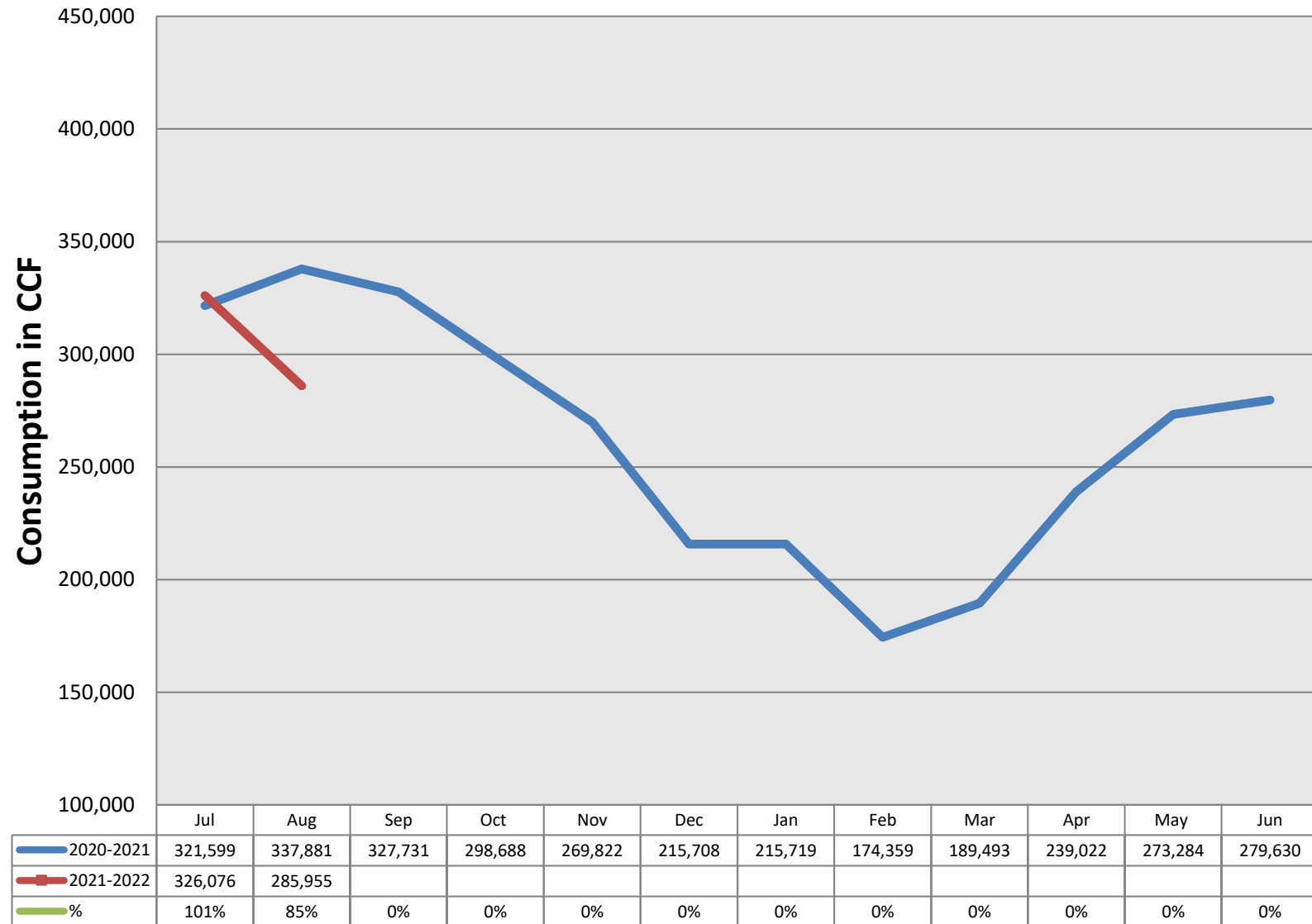
Laguna Woods Village August 2021 Water Sales



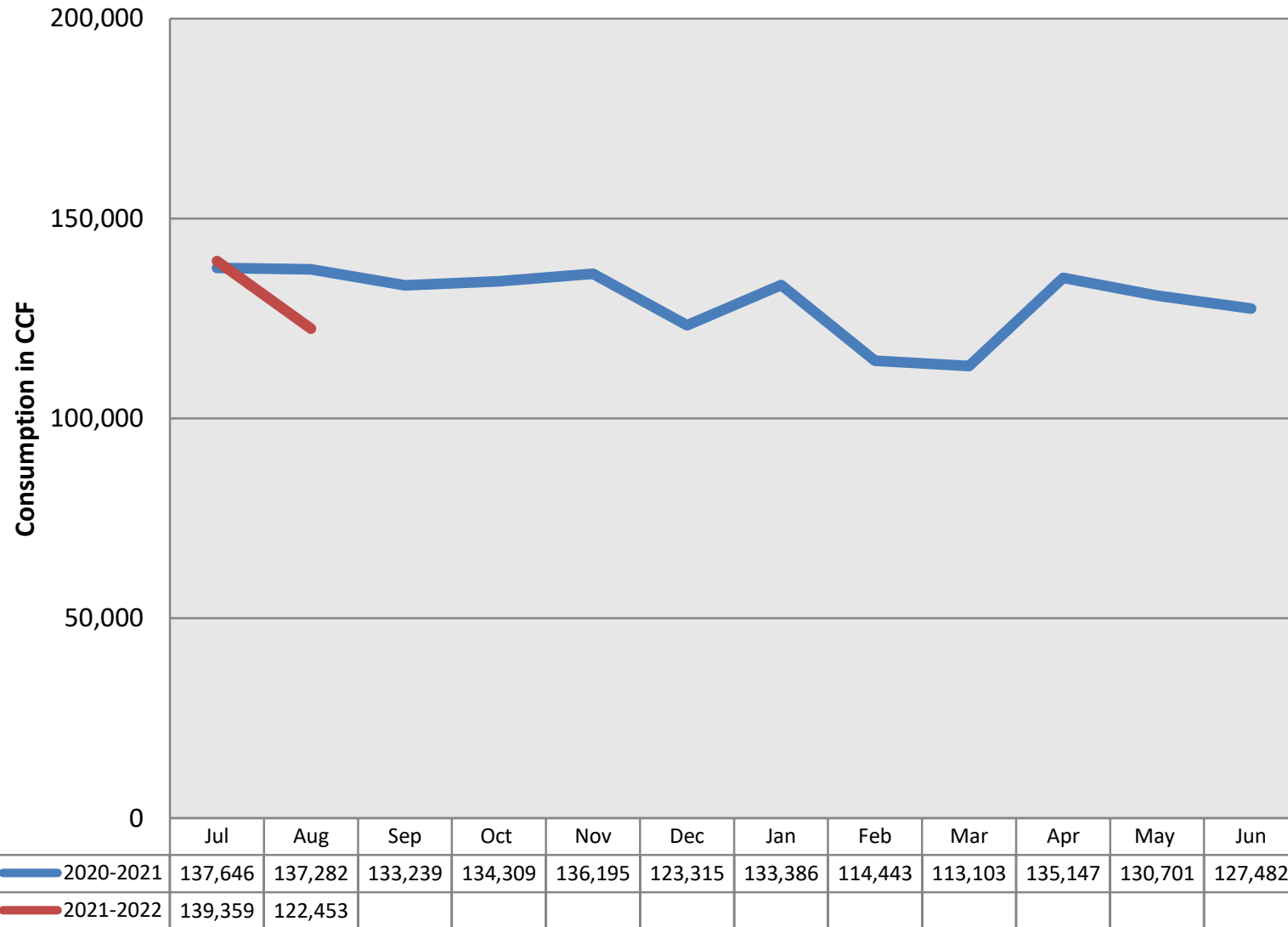
Laguna Woods Village Year-to-Date Water Sales August 2021



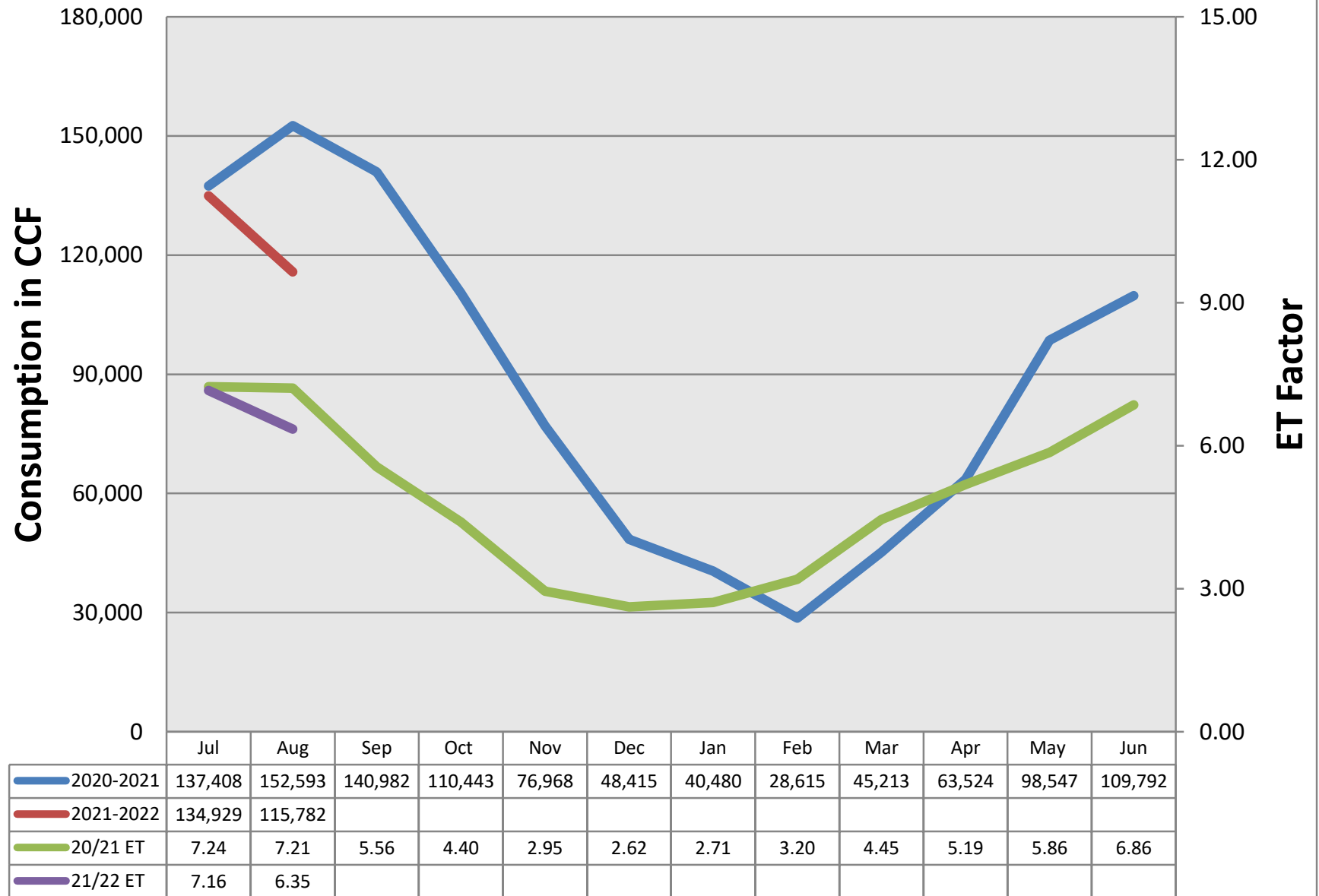
ETWD Total Consumption



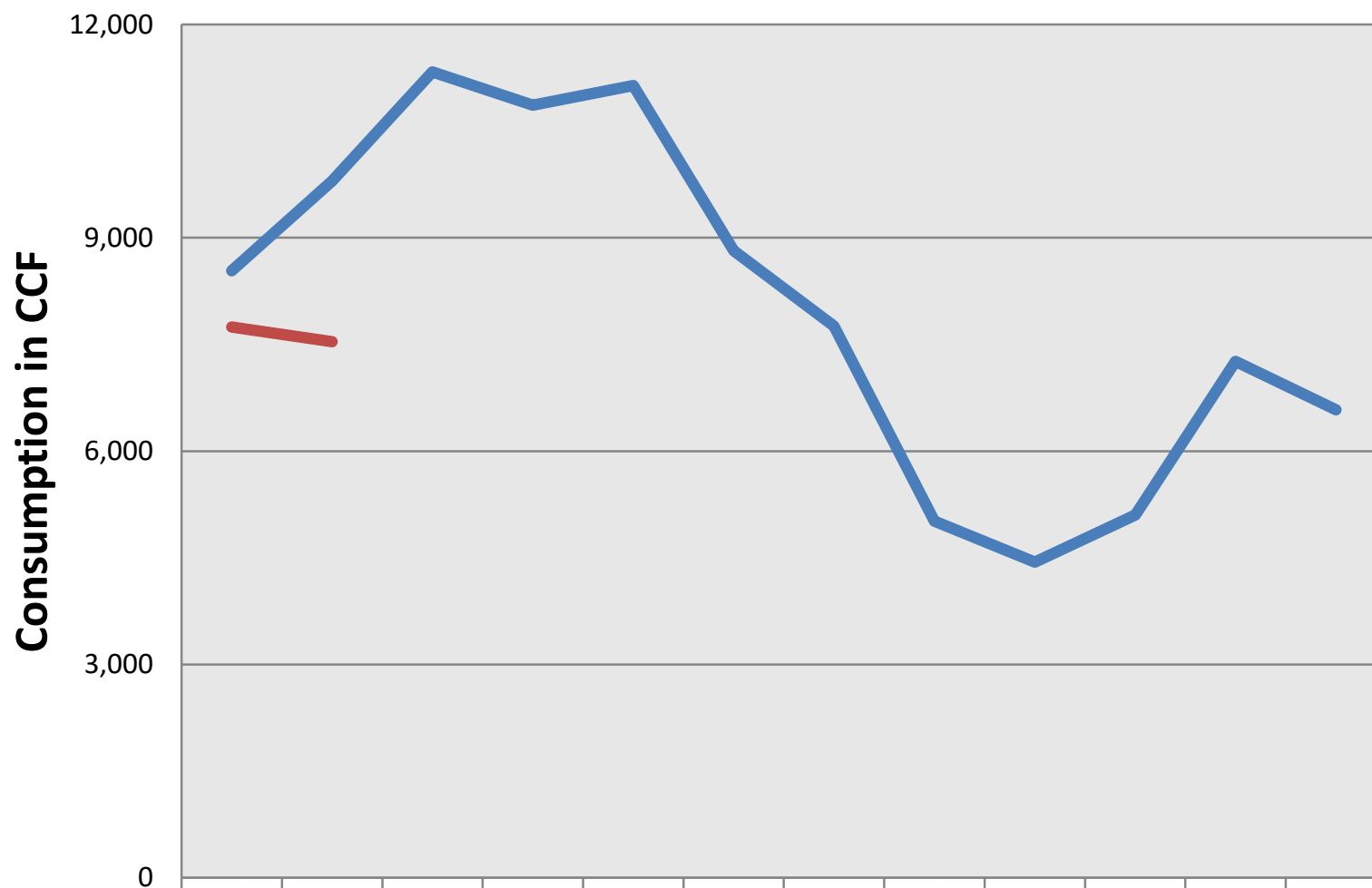
Tier I Consumption



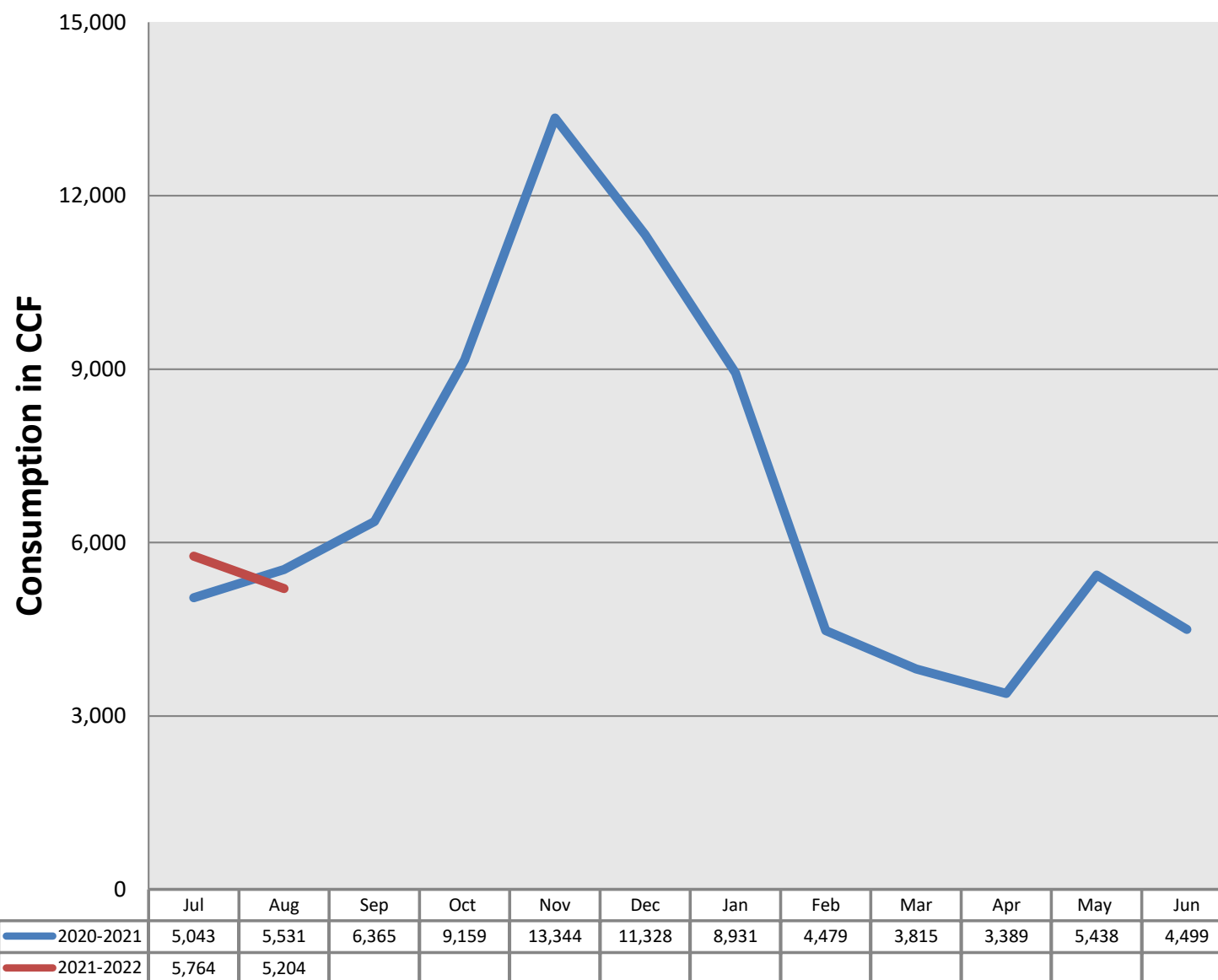
Tier II Consumption



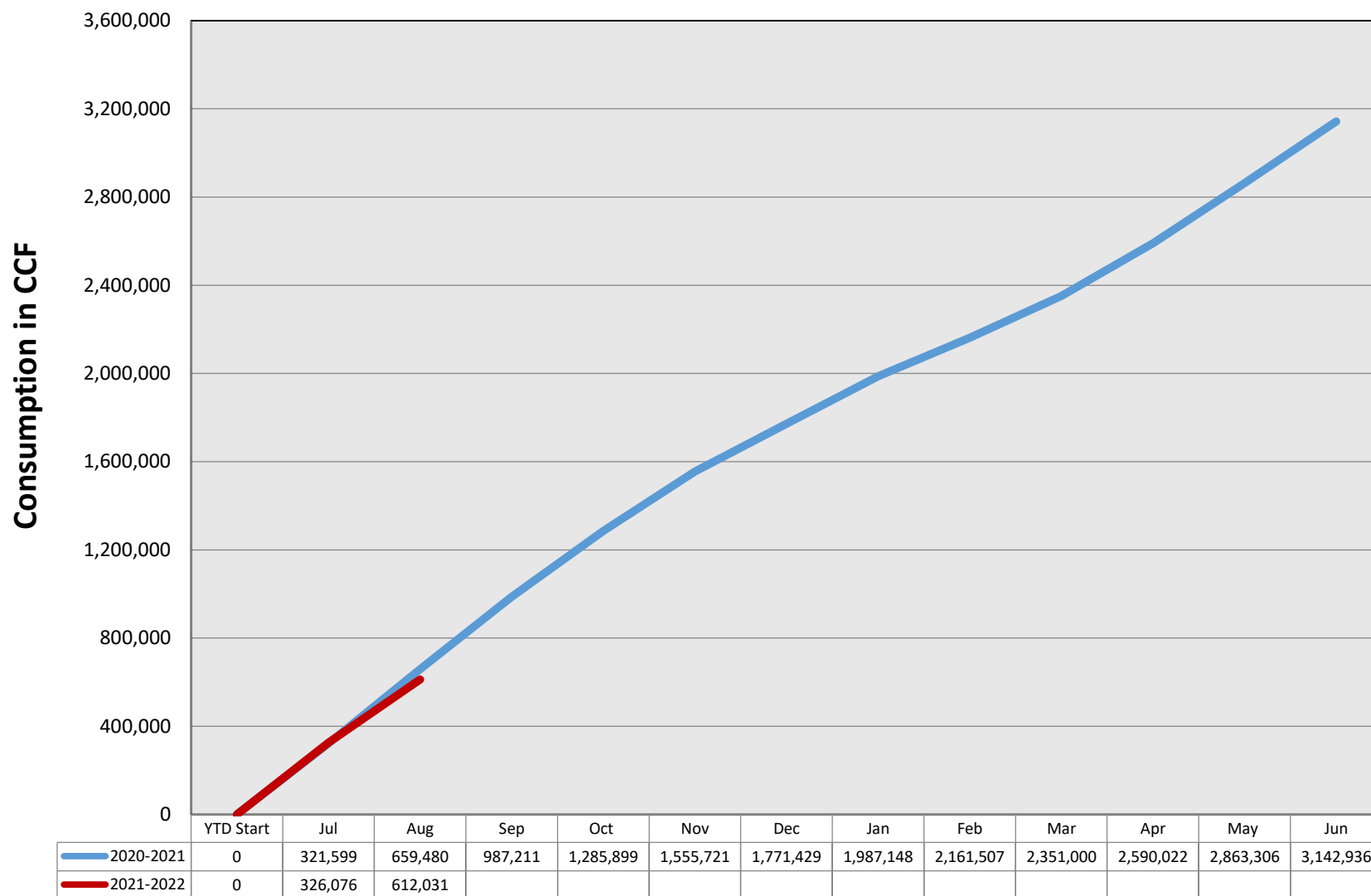
Tier III Consumption

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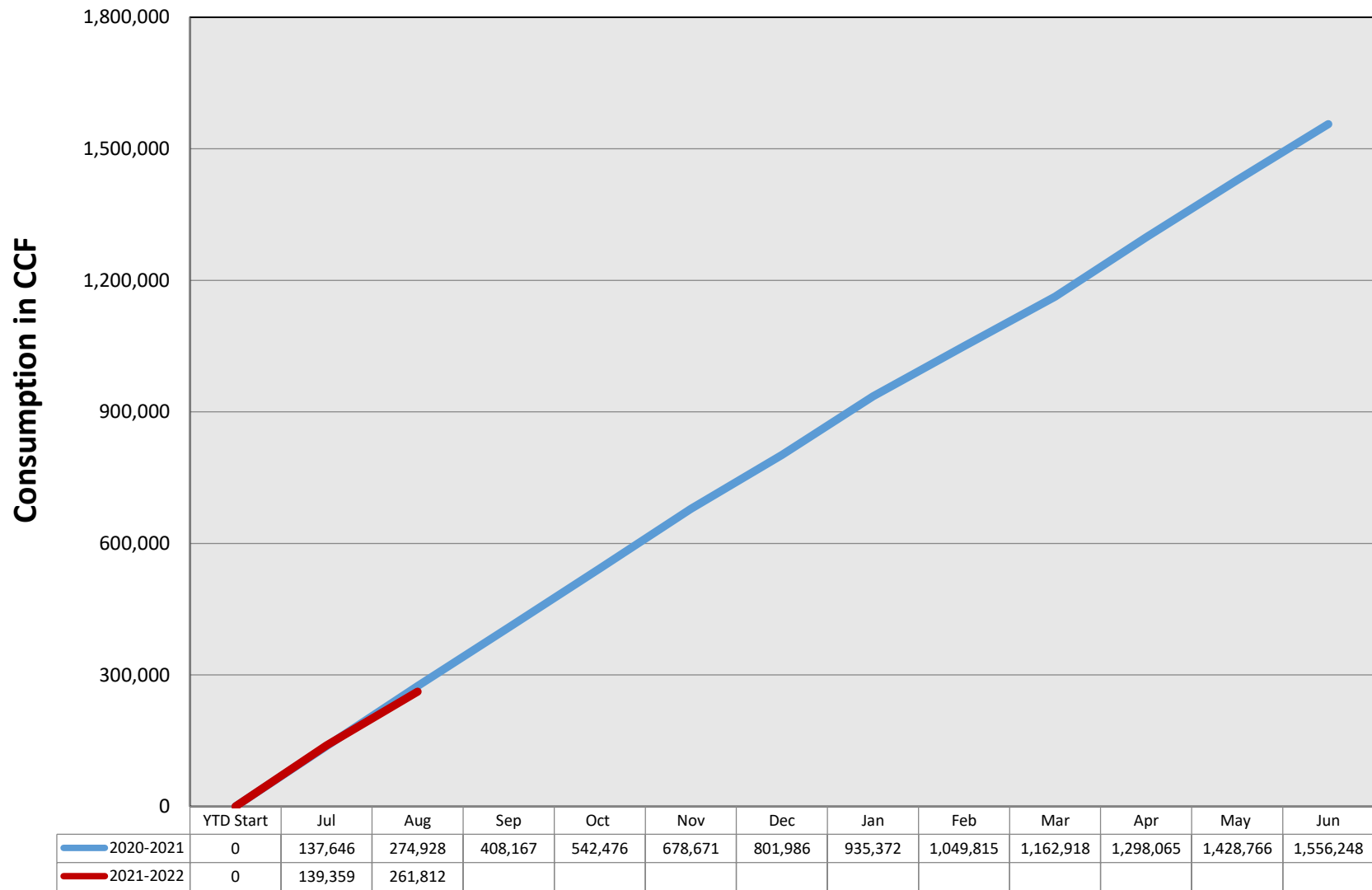
Tier IV Consumption



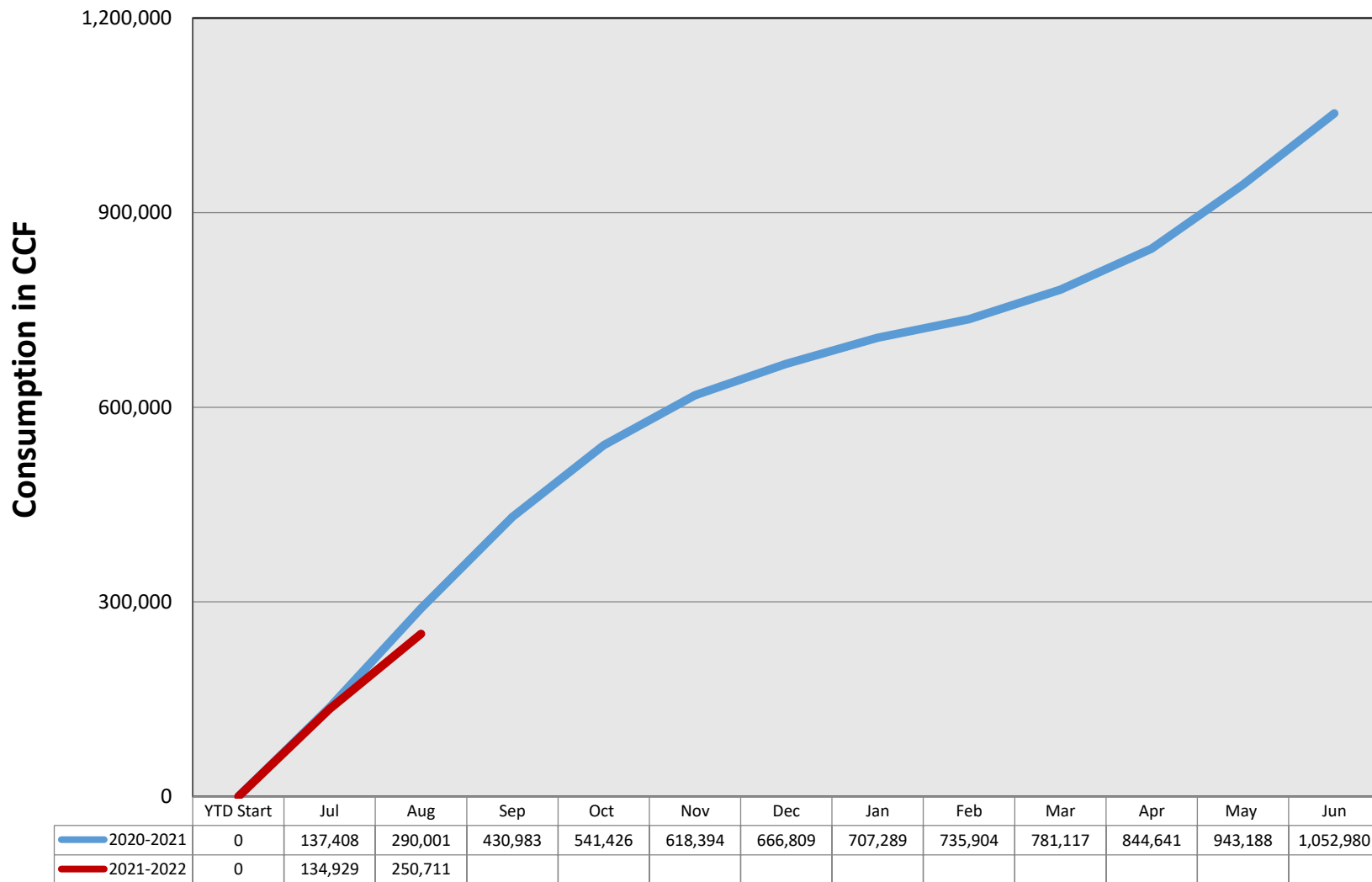
ETWD YTD Consumption



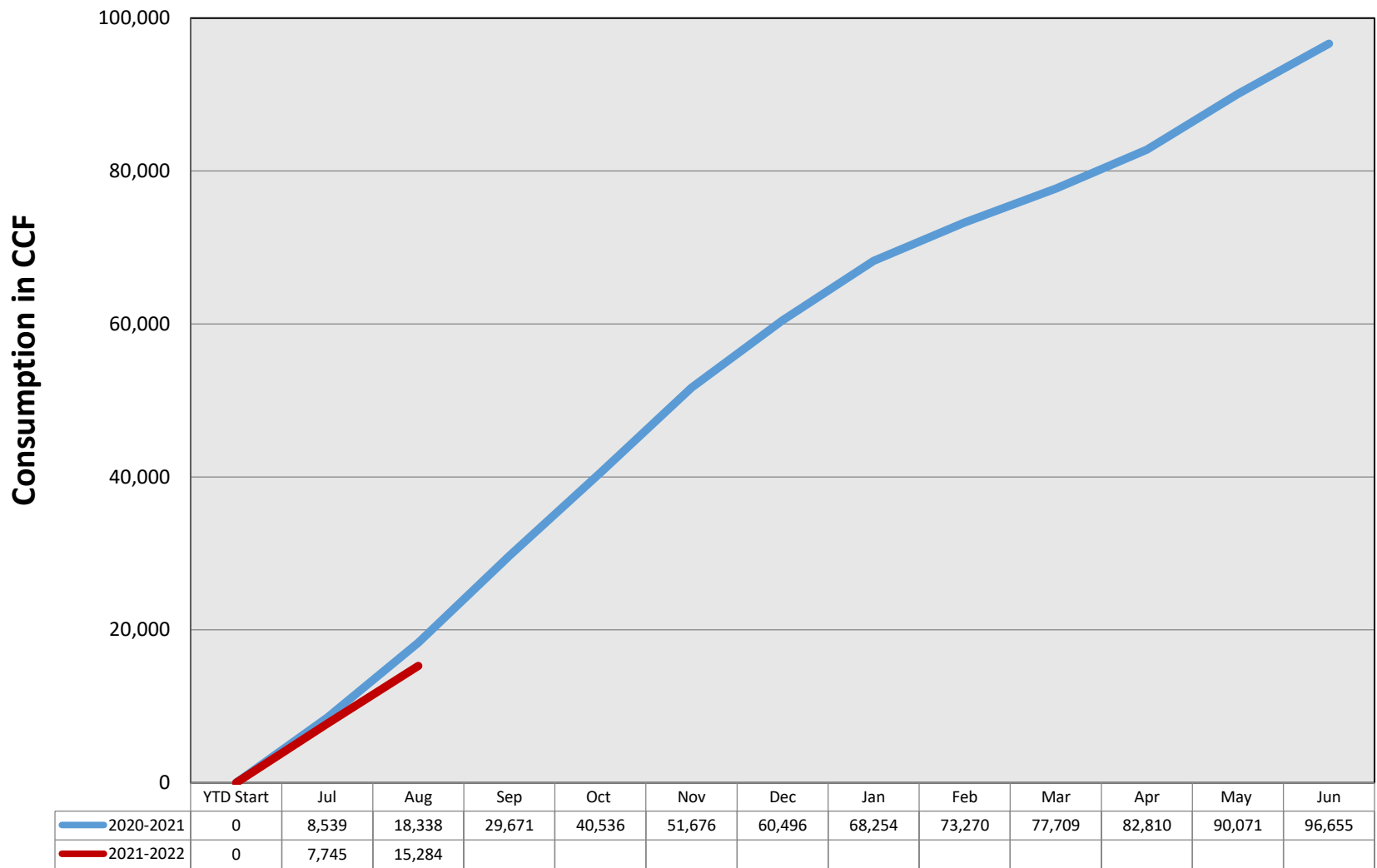
Tier I YTD Consumption



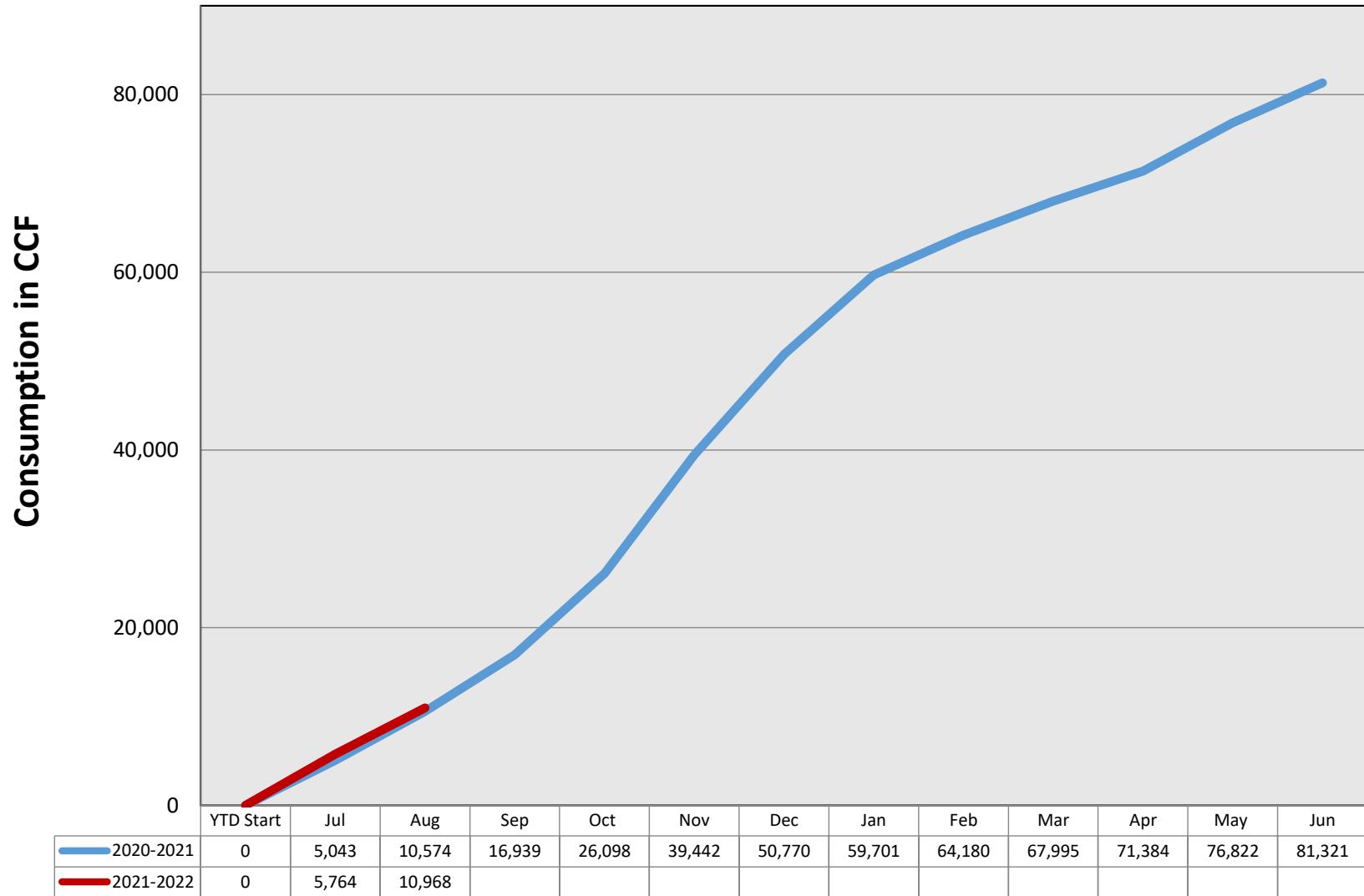
Tier II YTD Consumption



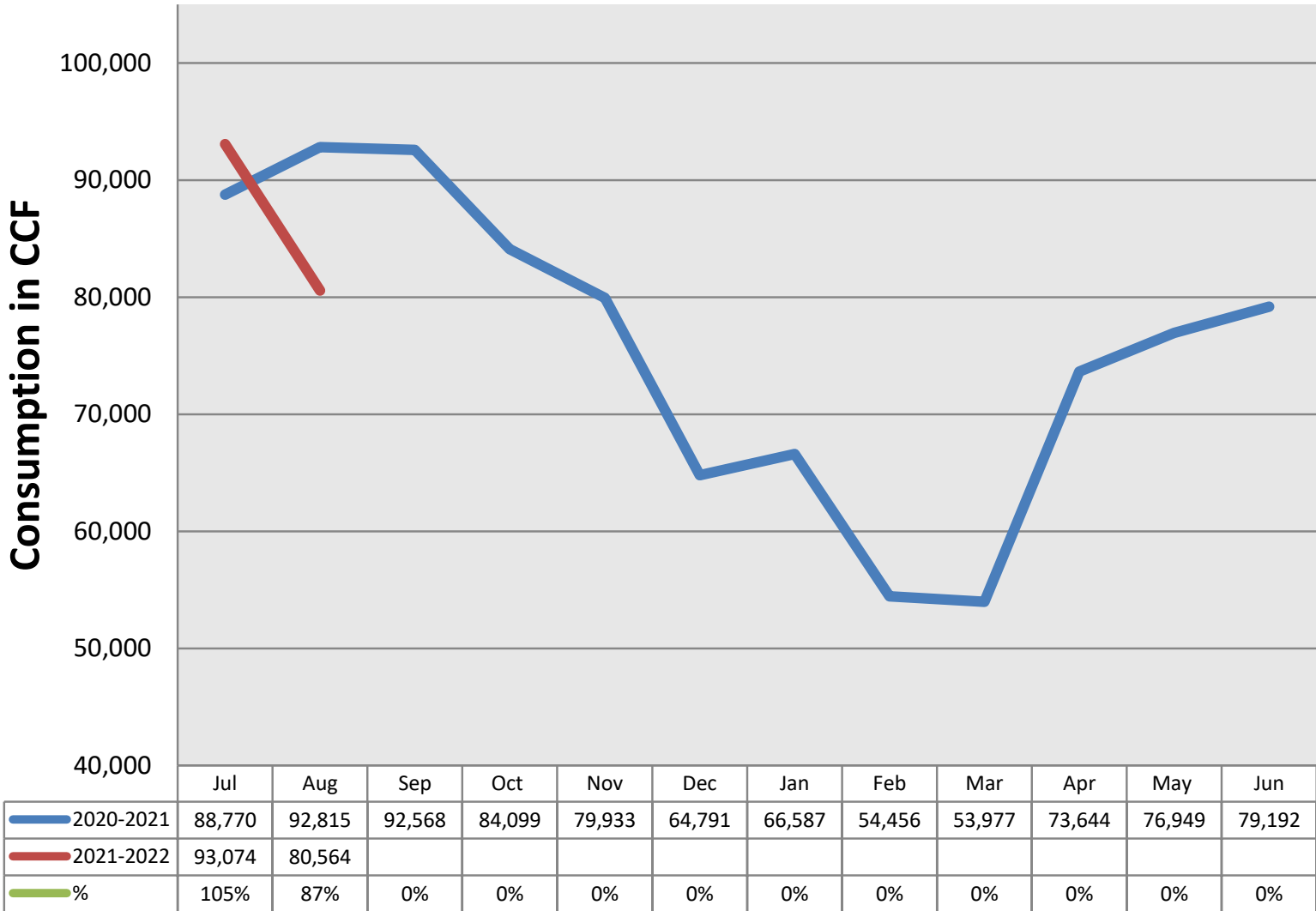
Tier III YTD Consumption



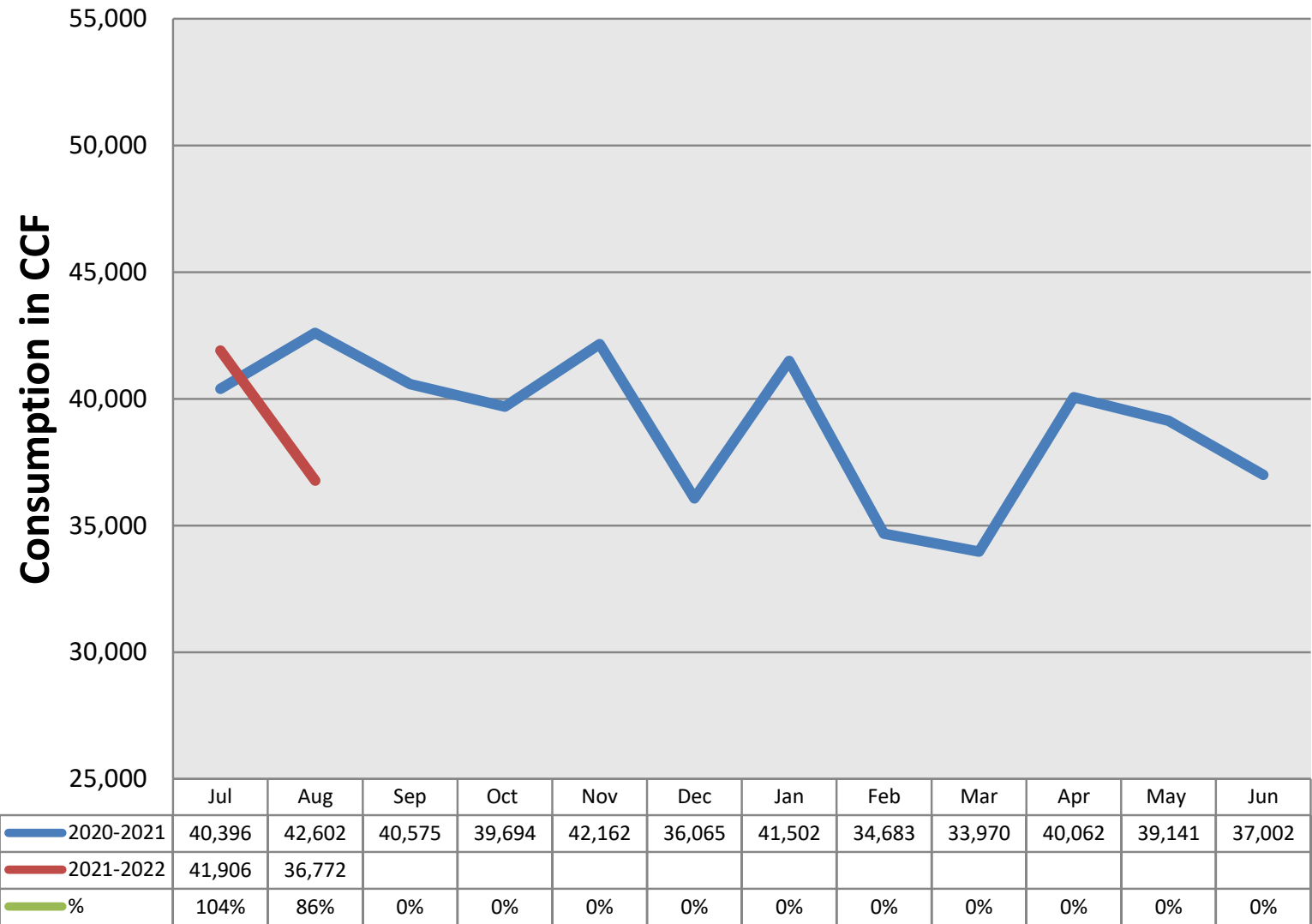
Tier IV YTD Consumption



Single Family Residents Consumption



Multi Family Residents Consumption

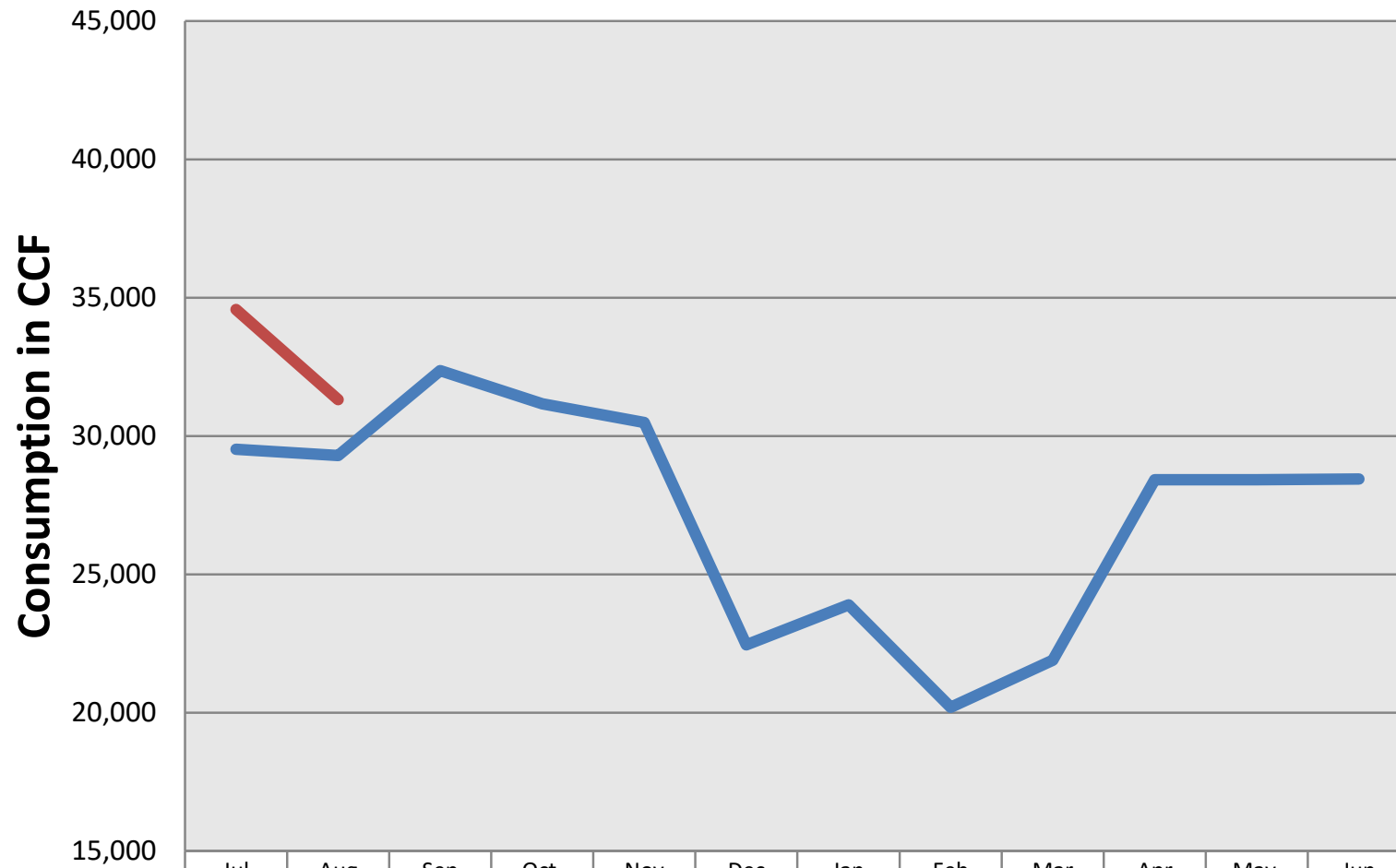


The chart displays monthly consumption in CCF. The y-axis is labeled 'Consumption in CCF' and ranges from 20,000 to 100,000 in increments of 10,000. The x-axis represents months from January to December. A blue line shows the consumption trend, starting at 85,000 in January, decreasing to 83,000 in February, 77,000 in March, 63,000 in April, 54,000 in May, 53,000 in June, 45,000 in July, 53,000 in August, 58,000 in September, 71,000 in October, and 75,000 in November. A red line segment is shown in the top left corner, starting at 80,000 in January and ending at 70,000 in February.

Month	Consumption (CCF)
January	85,000
February	83,000
March	77,000
April	63,000
May	54,000
June	53,000
July	45,000
August	53,000
September	58,000
October	71,000
November	75,000

[illegible]

Commercial Consumption

[illegible]

Dedicated Irrigation Consumption (including LWV)





STAFF REPORT

To: BOARD OF DIRECTORS

Meeting Date: September 20, 2021

From: Jason Hayden, Chief Financial Officer

Subject: Enterprise Resource Planning Software System – Progress Update

At the August 24, 2021 Board Meeting, two contracts with Springbrook Software were approved, one contract was for the purchase of the software and the second was for the purchase of services related to the implementation process for the software. The General Manager executed these within a couple of days after the Board meeting.

Shortly after the contracts were executed, Springbrook provided ETWD with passwords to access the Springbrook online software platform.

On September 9, 2021, several Finance staff members, including the Chief Financial Officer, the Accounting Supervisor, the Senior Accountant for Payroll, and the Customer Service Manager had an initial implementation meeting with Springbrook Staff members who will be serving as the implementation staff. This was an introductory meeting and served to begin establishing timelines and responsibilities.

On September 13, 2021, the ETWD Chief Financial Officer met with the Springbrook Chief Financial Officer to discuss the CivicPay online payment module. Springbrook offered a discount on the pricing as an inducement for the District to approve using CivicPay as the online payment application. ETWD Finance Staff is analyzing the cost of implementing CivicPay compared to the costs currently incurred for the same set of services.

Over the next couple of weeks, ETWD Staff will begin working with the Springbrook implementation staff on a review of the business processes of the District.

EL TORO WATER DISTRICT
FINANCIAL REPORT
September 20, 2021

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**EL TORO WATER DISTRICT
BALANCE SHEET**

	8/31/21 (Unaudited)	June 30, 2021 (Unaudited)
ASSETS		
Current Assets		
Cash	\$2,223,394	\$3,118,166
Investments:		
Investments Cash	6,850,769	7,043,535
Investments FMV Adjustment	604	9,241
Receivables:		
Accounts Receivable	4,896,058	3,591,474
Inventories	704,775	1,192,207
Prepaid Expenses	397,738	150,916
Total Current Assets	<u>\$15,073,339</u>	<u>15,105,540</u>
Restricted Assets		
Cash & Investments	<u>9,991,218</u>	<u>9,787,357</u>
Total Restricted Assets	<u>9,991,218</u>	<u>9,787,357</u>
Non-Current Assets		
Utility Plant:		
Land & Easements	7,451,585	7,451,585
Long Term Leases	342,382	342,382
Equipment	121,957,993	121,918,078
Collection & Impound Reservoirs	6,243,706	6,243,706
Structure & Improvements	34,950,613	34,950,613
Total Utility Plant	<u>170,946,280</u>	<u>170,906,365</u>
Less Accumulated Depreciation & Amortization	<u>(84,655,992)</u>	<u>(83,904,879)</u>
Net Utility Plant	86,290,288	87,001,486
Construction Work in Progress	3,434,785	2,956,254
Deffered Outflow OPEB	<u>3,634,674</u>	<u>3,634,674</u>
Total Non-current Assets	<u>93,359,746</u>	<u>93,592,414</u>
TOTAL ASSETS	<u><u>\$118,424,303</u></u>	<u><u>\$118,485,312</u></u>

**EL TORO WATER DISTRICT
BALANCE SHEET**

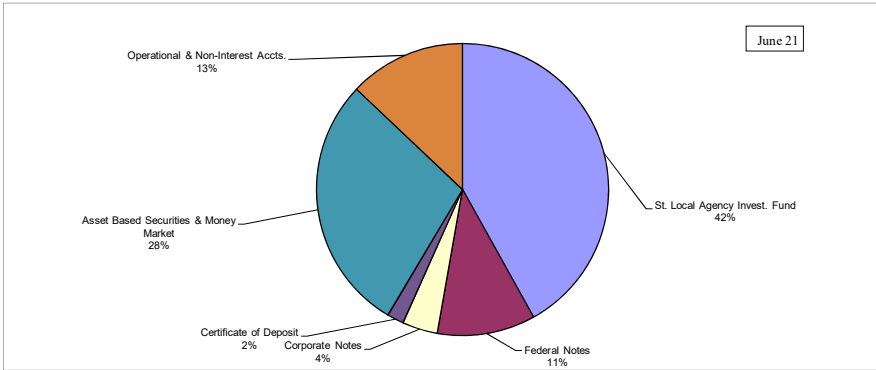
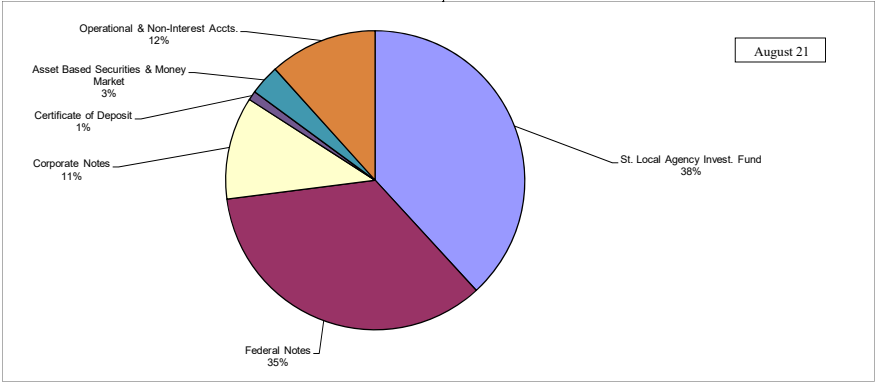
	8/31/21 (Unaudited)	June 30, 2021 (Unaudited)
LIABILITIES and EQUITY		
Liabilities		
Current Liabilities Payable		
Accounts Payable	\$1,766,400	\$2,225,218
Current Portion of Long-Term Debt	1,897,591	6,180
Other Current Liabilities	3,125,102	1,987,469
	<hr/>	<hr/>
Total Current Liabilities Payable		
From Current Assets	6,789,093	4,218,867
Long Term Debt		
Long Term Debt	48,348,566	50,591,444
	<hr/>	<hr/>
Total Long Term Debt	48,348,566	50,591,444
	<hr/>	<hr/>
Total Liabilities	55,137,659	54,810,311
Fund Equity		
Retained Earnings - Reserved	17,034,893	17,034,893
Contributed Capital	8,744,767	8,744,767
Retained Earnings - Unreserved	36,689,430	36,959,626
Net Income	817,554	935,715
Total Fund Equity	63,286,644	63,675,001
	<hr/>	<hr/>
Total Liabilities & Fund Equity	\$118,424,303	\$118,485,312
	<hr/>	<hr/>

CASH & INVESTMENTS (General Fund)
SUMMARY OF INVESTMENTS BY TYPE

	Maturity Dates	Par	Market Value 8/31/21	Financial Institution	YTM 8/31/21	Original Cost 8/31/21
State Local Agency Investment Fund	NA	NA	\$7,283,523	LAIF	0.22%	\$7,283,523
US Treasury N/B - Coupon Rate 1.875%	5/31/2022	500,000	506,719	US Bank/CAMP	0.09%	508,223
US Treasury N/B - Coupon Rate 0.125%	7/31/2022	600,000	600,281	US Bank/CAMP	0.11%	600,117
US Treasury N/B - Coupon Rate 0.125%	9/30/2022	500,000	500,156	US Bank/CAMP	0.11%	500,098
US Treasury N/B - Coupon Rate 1.875%	10/31/2022	250,000	255,156	US Bank/CAMP	0.10%	256,328
US Treasury N/B - Coupon Rate 1.875%	10/31/2022	500,000	510,313	US Bank/CAMP	0.12%	513,027
US Treasury N/B - Coupon Rate 0.125%	11/30/2022	400,000	400,062	US Bank/CAMP	0.11%	400,109
US Treasury N/B - Coupon Rate 0.125%	12/31/2022	400,000	400,000	US Bank/CAMP	0.11%	400,125
US Treasury N/B - Coupon Rate 0.125%	1/31/2023	200,000	199,969	US Bank/CAMP	0.13%	199,977
US Treasury N/B - Coupon Rate 0.125%	1/31/2023	400,000	399,938	US Bank/CAMP	0.11%	400,141
US Treasury N/B - Coupon Rate 0.250%	6/15/2023	400,000	400,500	US Bank/CAMP	0.14%	401,047
US Treasury N/B - Coupon Rate 0.125%	7/15/2023	200,000	199,781	US Bank/CAMP	0.19%	199,688
US Treasury N/B - Coupon Rate 0.125%	7/15/2023	400,000	399,562	US Bank/CAMP	0.14%	399,828
US Treasury N/B - Coupon Rate 0.125%	8/15/2023	500,000	499,297	US Bank/CAMP	0.23%	498,809
US Treasury N/B - Coupon Rate 0.250%	11/15/2023	90,000	90,014	US Bank/CAMP	0.26%	89,982
US Treasury N/B - Coupon Rate 0.125%	2/15/2024	400,000	398,438	US Bank/CAMP	0.27%	398,313
Intl BK of Recon and Dev Note - Coupon Rate 0.125%	4/20/2023	135,000	134,871	US Bank/CAMP	0.23%	134,721
NJ TPK Auth -B- Txbi Muni Bond - Coupon Rate 0.897%	1/1/2025	20,000	20,124	US Bank/CAMP	0.90%	20,000
FNA 2018-M5 A2- Coupon Rate 3.560%	9/1/2021	2	2	US Bank/CAMP	2.93%	2
FHMS K724 A2 - Coupon Rate 3.062%	11/1/2023	60,000	62,718	US Bank/CAMP	0.58%	64,052
FHMS K133 A1 - Coupon Rate 0.440%	12/1/2025	14,796	14,584	US Bank/CAMP	0.44%	14,795
Federal Farm Credit Bank Note - Coupon Rate 0.125%	2/3/2023	230,000	229,874	US Bank/CAMP	0.15%	229,871
Freddie Mac Notes - Coupon Rate 0.250	11/6/2023	155,000	155,028	US Bank/CAMP	0.23%	155,087
Fannie Mae Notes - Coupon Rate 0.250	11/27/2023	250,000	250,047	US Bank/CAMP	0.24%	250,107
Federal Notes		6,604,797	6,627,435			6,634,446
Toyota Motor Credit Corp Corporate Note - Coupon Rate 0.450%	1/11/2024	70,000	69,896	US Bank/CAMP	0.45%	69,996
John Deere Corp Notes - Coupon Rate 0.450%	1/17/2024	55,000	54,829	US Bank/CAMP	0.48%	54,961
Morgan Stanley Corp Notes - Coupon Rate 0.529%	1/25/2024	55,000	55,069	US Bank/CAMP	0.53%	55,000
PACCAR Financial Corp Corporate Note - Coupon Rate 0.350%	2/2/2024	65,000	64,790	US Bank/CAMP	0.39%	64,925
National Rural Util Coop Corporate Note - Coupon Rate 0.350%	2/8/2024	25,000	24,848	US Bank/CAMP	0.37%	24,983
Goldman Sachs Corp Notes - Coupon Rate 4.000%	3/3/2024	40,000	43,302	US Bank/CAMP	0.69%	44,062
Goldman Sachs Corp Notes - Coupon Rate 0.673%	3/8/2024	20,000	20,026	US Bank/CAMP	0.67%	20,000
JPMorgan Chase & Co Corp Note Call - Coupon Rate 0.697%	3/16/2024	70,000	70,228	US Bank/CAMP	0.70%	70,000
Charles Schwab Corp Note - Coupon Rate 0.750%	3/18/2024	30,000	30,192	US Bank/CAMP	0.77%	29,985
Bank of NY Mellon Corp Note - Coupon Rate 0.500%	4/26/2024	55,000	54,961	US Bank/CAMP	0.54%	54,941
Amazon.com Inc Corp Note - Coupon Rate 0.450%	5/12/2024	80,000	79,982	US Bank/CAMP	0.50%	79,883
Unitedhealth Group Inc Corp Note - Coupon Rate 0.550%	5/15/2024	30,000	29,960	US Bank/CAMP	0.59%	29,969
Caterpillar Finl Service Corp Note - Coupon Rate 0.450%	5/17/2024	45,000	44,893	US Bank/CAMP	0.50%	44,940
Astrazeneca Finance LLc (Callable) Corp - Coupon Rate 0.700%	5/28/2024	50,000	50,026	US Bank/CAMP	0.70%	49,996
John Deere Capital Corp Notes - Coupon Rate 0.450%	6/7/2024	10,000	9,961	US Bank/CAMP	0.49%	9,988
Clorox Company Corp Notes - Coupon Rate 3.5%	12/15/2024	35,000	38,124	US Bank/CAMP	0.88%	38,048
Apple Inc Corp Note - Coupon Rate 2.750%	1/13/2025	40,000	42,529	US Bank/CAMP	0.89%	42,786
Merck & Co Inc Corp Note - Coupon Rate 2.750%	2/10/2025	20,000	21,265	US Bank/CAMP	0.94%	21,389
JPMorgan Chase & Co Corp Note Call - Coupon Rate 0.563%	2/16/2025	30,000	29,857	US Bank/CAMP	0.56%	30,000
Lockheed Martin Corp Note - Coupon Rate 2.900%	3/1/2025	20,000	21,365	US Bank/CAMP	1.06%	21,422
Bank of America Corp Notes - Coupon Rate 3.458%	3/15/2025	40,000	42,665	US Bank/CAMP	1.53%	42,714
Burlington North Santa Fe Corp Note Call - Coupon Rate 3.000%	4/1/2025	20,000	21,466	US Bank/CAMP	1.07%	21,533
Bank of America Corp Notes (Callable) - Coupon Rate 0.976%	4/22/2025	70,000	70,268	US Bank/CAMP	0.98%	70,000
Bank of NY Mellon Corp Note - Coupon Rate 1.600%	4/24/2025	45,000	46,179	US Bank/CAMP	0.97%	46,148
Pepsico Inc Corp Note Call - Coupon Rate 2.750%	4/30/2025	20,000	21,376	US Bank/CAMP	1.02%	21,400
Citigroup Inc Corp Notes - Coupon Rate 0.981%	5/1/2025	35,000	35,177	US Bank/CAMP	0.98%	35,000
Morgan Stanley Corp Notes (Callable) - Coupon Rate 0.790%	5/30/2025	10,000	9,966	US Bank/CAMP	0.79%	10,000
Honeywell Intl Corp Note - Coupon Rate 1.350%	6/1/2025	20,000	20,348	US Bank/CAMP	0.91%	20,360
JPMorgan Chase & Co Corp Note - Coupon Rate 0.824%	6/1/2025	25,000	25,031	US Bank/CAMP	0.82%	25,000
MUFG Bank LTD/NY Comm Paper - Coupon Rate 0.000%	10/8/2021	100,000	99,989	US Bank/CAMP	0.10%	99,972
Sumitomo Mitui Trust NY Comm Paper - Coupon Rate 0.000%	11/1/2021	285,000	284,957	US Bank/CAMP	0.17%	284,758
Collat Comm Paper V Co Comm Paper - Coupon Rate 0.000%	4/4/2022	285,000	284,621	US Bank/CAMP	0.16%	284,712
Credit Agricole CIB NY Comm Paper - Coupon Rate 0.000%	4/29/2022	300,000	299,722	US Bank/CAMP	0.14%	299,686
Corporate Notes		2,100,000	2,117,869			2,118,556
Barclays Bank PLC NY CD- Coupon Rate 0.290%	2/4/2022	190,000	190,091	US Bank/CAMP	0.29%	190,000
Certificate of Deposit		190,000	190,091			190,000
MBart 2018-1 A3 - Coupon Rate 3.030%	1/15/2023	5,959	5,979	US Bank/CAMP	3.03%	5,959
MBalt 2021-1 A3 - Coupon Rate 0.250%	1/16/2024	15,000	15,001	US Bank/CAMP	0.25%	14,998
BMWLT 2021-1 A3 - Coupon Rate 0.290%	1/25/2024	15,000	15,016	US Bank/CAMP	0.29%	15,000
FordL 2021-A A3 - Coupon Rate 0.260%	2/15/2024	25,000	25,015	US Bank/CAMP	0.26%	24,997
Carmx 2021-1 A2A- Coupon Rate 0.220%	2/15/2024	76,452	76,469	US Bank/CAMP	0.24%	76,404
GMALT 2021-1 A3 - Coupon Rate 0.260%	2/20/2024	30,000	30,015	US Bank/CAMP	0.26%	29,997
FordQ 2019-C A3 - Coupon Rate 1.870%	3/15/2024	45,126	45,588	US Bank/CAMP	1.38%	45,752
Woart 2021-C A2 - Coupon Rate 0.220%	9/16/2024	55,000	54,998	US Bank/CAMP	0.22%	54,999
Harot 2021-A A3 - Coupon Rate 0.270%	4/21/2025	25,000	24,986	US Bank/CAMP	0.27%	25,000
Fordo 2021-A A3 - Coupon Rate 0.300%	8/15/2025	30,000	30,000	US Bank/CAMP	0.30%	29,997
Harot 2021-2 A3 - Coupon Rate 0.330%	8/15/2025	40,000	39,988	US Bank/CAMP	0.33%	39,998
GMCaer 2021-1 A3 - Coupon Rate 0.350%	10/16/2025	15,000	15,017	US Bank/CAMP	0.35%	14,998
Harot 2021-3 A3 - Coupon Rate 0.410%	11/18/2025	40,000	40,007	US Bank/CAMP	0.41%	39,999
Carmx 2021-1 A3 - Coupon Rate 0.340%	12/15/2025	15,000	14,981	US Bank/CAMP	0.34%	14,997
CAMP Money Market Fund	NA	NA	190,038	US Bank/CAMP	0.05%	190,038
Asset Based Securities & Money Market		432,537	623,097			623,135
Total Camp Investments		9,327,335	9,558,491			9,566,136

Operational & Non-Interest Bearing Accounts

ETWD General Cash Account	NA	NA	2,219,800	Union Bank of Cal.	0.00%	2,219,800
ETWD Capital Facilities Reserve Account	NA	NA	2,895	Union Bank of Cal.	0.00%	2,895
ETWD Payroll Account	NA	NA	0	Union Bank of Cal.	0.00%	0
ETWD Petty Cash Account	NA	NA	700	Union Bank of Cal.	0.00%	700
Operational & Non-Interest Accts.			2,223,394			2,223,394
			\$19,065,409	Total Investments & Cash		\$19,073,053



LIQUIDITY					
	August 31, 2021			June 30, 2021	
	\$	%		\$	%
DEMAND	\$ 9,696,956	50.84%		\$ 12,245,220	61.74%
30 Days	\$ 2	0.00%		\$ 208,880	1.05%
31-180 Days	\$ 574,730	3.01%		\$ 1,161,829	5.86%
181 - 360	\$ 1,692,738	8.88%		\$ 1,771,413	8.93%
361-1800 Days	\$ 7,108,627	37.27%		\$ 4,447,532	22.42%
TOTAL	\$ 19,073,053	100.00%		\$ 19,834,874	100.00%

* The portfolio is in compliance with the investment policy.

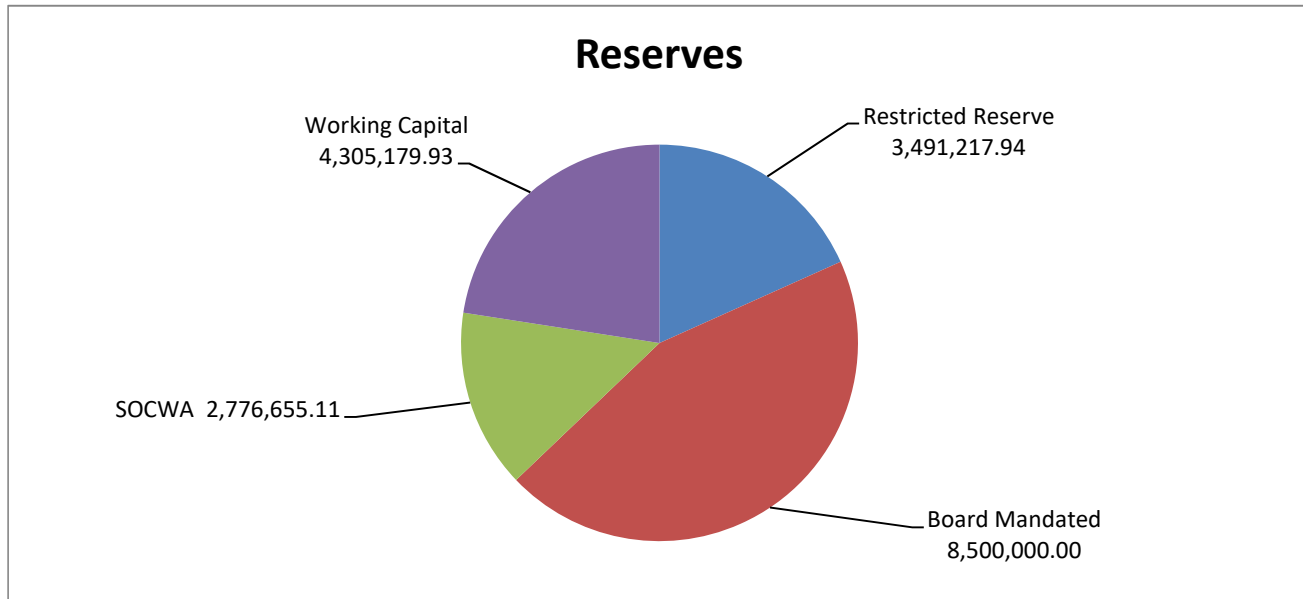
** PFM Investment Advisory Services (10bp on first \$25 mm, 8bp over)

\$ 480.91 for January 2020

EL TORO WATER DISTRICT

RESERVE ANALYSIS

31-Aug-21



Restricted Reserve	\$	3,491,218
Board Mandated	\$	8,500,000
SOCWA	\$	2,776,655
Capital Cash Flow / Compliance	\$	4,305,180
Total	\$	19,073,053

Restricted Reserve

SRFL-Recycled Phase I	\$	1,602,958
SRFL-Recycled Phase II	\$	409,046
Capital Facilities Reserve	\$	2,895
Tiered Cons Fund	\$	816,284
Baker Funding	\$	660,035
Total	\$	3,491,218

Board Mandated Minimum Reserve Levels

Capital Construction	\$	3,000,000
Rate Stabilization	\$	2,200,000
Operations	\$	1,300,000
Working Capital	\$	2,000,000
Total	\$	8,500,000

Six months operating expense requirement:	\$12,800,791
Cash less restricted reserve on hand:	\$15,581,835

ETWD has the ability to meet its expenditure requirements for the next six months.

EL TORO WATER DISTRICT

CHANGE IN RESERVES

	<u>August 31, 2021</u>	<u>Year to Date</u>	<u>Year Ended June 30, 2021</u>
Operating Revenue	2,676,454	5,163,703	26,393,477
Non-operating Revenue	158,033	365,121	1,724,396
Total Revenue	<u>2,834,487</u>	<u>5,528,824</u>	<u>28,117,873</u>
Operating Expenses	1,958,343	3,880,856	22,725,135
Depreciation & Amortization	355,912	711,825	4,306,266
Non-operating Expenses	59,295	118,589	150,757
Total Expenses	<u>2,373,550</u>	<u>4,711,270</u>	<u>27,182,158</u>
NET INCOME	460,936	817,554	935,715
Add Depreciation & Amortization	355,912	711,825	4,072,824
Net Cash Provided by Operating Activities	5,699	(2,228,584)	(2,926,654)
Net Cash Provided by Investing Activities	(302,614)	(388,332)	(2,593,027)
Net Cash Provided by Financing Activities	-	-	-
Net Increase/(Decrease) Cash for the Period	<u>519,934</u>	<u>(1,087,537)</u>	<u>(511,142)</u>
Cash at End of Period from Balance Sheet		9,074,767	
Restricted Cash		9,991,218	
Unrealized (Gains)/Losses Fair Market Value		<u>(604)</u>	
Cash at End of Period		19,065,382	
Net (Increase)/Decrease Cash for the Period		(519,934)	
Net (Increase)/Decrease in Restricted Cash for the Period		(102,998)	
Net Increase/(Decrease) in Unrealized Gains/(Losses) Fair Market Value		-	
Void Checks in Prior Period			
Cash at Beginning of Period		<u>18,442,450</u>	

EL TORO WATER DISTRICT
Cash Sheet
For the month ending August 31, 2021

CHECK NUMBER	PAYMENT DATE	VENDOR NAME	PAYMENT AMOUNT
90930	08/09/2021	MUNICIPAL WATER DISTRICT OF ORANGE CO.	678,982.07
90950	08/09/2021	EVOLUTION LANDSCAPING & PLUMBING	155,469.58
91041	08/26/2021	SO. CALIFORNIA EDISON CO.	141,467.91
90987	08/19/2021	ACWA HEALTH BENEFITS AUTHORITY	128,854.28
90998	08/19/2021	J.R. FILANC CONSTRUCTION CO., INC.	50,307.25
TOTAL CHECKS OVER \$50,000			\$ 1,155,081.09
TOTAL CHECKS IN REGISTER			\$ 1,470,392.94

DEBIT TRANSFERS

08/13/2021	PAYROLL DIRECT DEPOSIT	151,451.96
08/13/2021	FEDERAL DEPOSIT LIABILITY	35,887.32
08/13/2021	SDI & STATE TAX	13,867.54
08/13/2021	WAGE GARNISHMENTS	585.00
08/13/2021	PRUDENTIAL (401K)	56,488.59
08/13/2021	PRUDENTIAL (457)	18,194.19
08/15/2021	PAYROLL BOARD OF DIRECTOR	6,202.40
08/15/2021	SS, MEDICARE, SDI & STATE TAX	1,962.73
08/15/2021	PRUDENTIAL (457)	2,788.97
08/27/2021	PAYROLL DIRECT DEPOSIT	141,978.05
08/27/2021	FEDERAL DEPOSIT LIABILITY	32,293.89
08/27/2021	SDI & STATE TAX	12,297.91
08/27/2021	WAGE GARNISHMENTS	585.00
08/27/2021	PRUDENTIAL (401K)	52,271.02
08/27/2021	PRUDENTIAL (457)	17,019.59
08/31/2021	ADP AND BANK FEES	5,635.49
TOTAL INTERBANK WIRES / DEBIT TRANSFERS		\$ 549,509.65
TOTAL DISBURSEMENTS		\$ 2,019,902.59

REIMBURSEMENTS TO ETWD EMPLOYEES

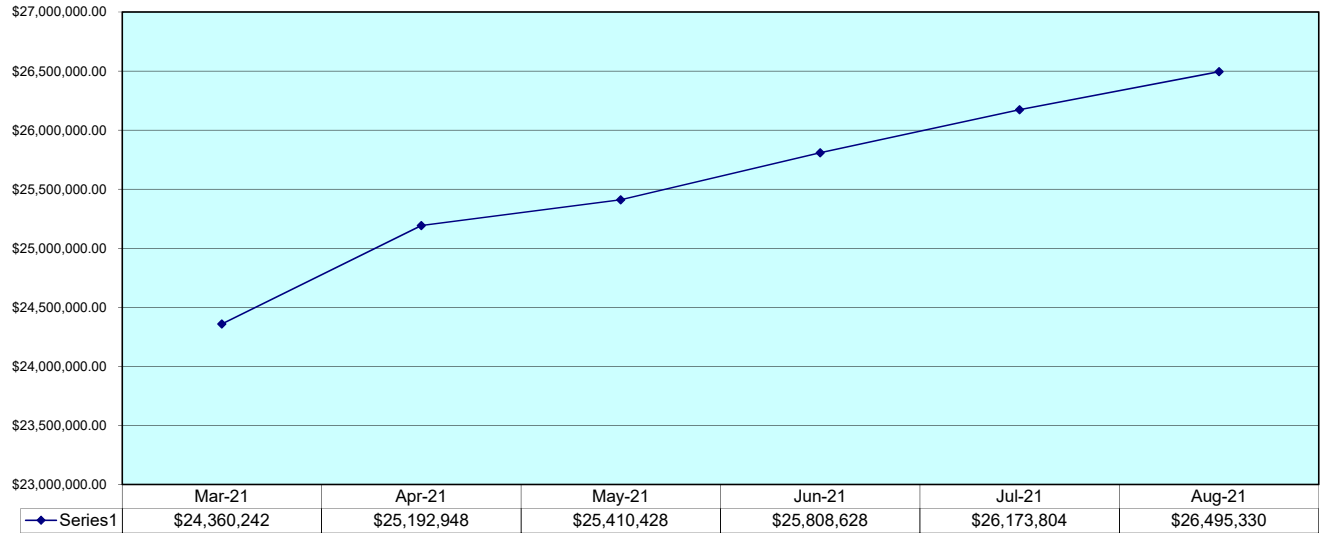
CHECK NUMBER	PAYMENT DATE	PAYEE (DESCRIPTION)	PAYMENT AMOUNT
90991	08/19/2021	CHRIS MAGILL (Safety Glasses)	349.00
91025	08/26/2021	ED PETERSON (Seminar)	342.25
90939	08/09/2021	STEVEN HANCOCK (Workboots)	300.00
91023	08/26/2021	CESAR CASSANI (Seminar)	170.00
91043	08/26/2021	STEVE SANCHEZ (Seminar)	133.14
91002	08/19/2021	MARCOS JOSE AVALOS (Mileage)	98.56
91035	08/26/2021	RALPH PALOMARES (Seminar)	85.05
91038	08/26/2021	ROBERT HAZZARD (Certification)	60.00
TOTAL CHECKS TO EMPLOYEES			\$ 1,538.00

REINBURSEMENTS TO ETWD DIRECTORS

CHECK NUMBER	PAYMENT DATE	PAYEE (DESCRIPTION)	PAYMENT AMOUNT
90971	08/12/2021	KATHERINE HAVENS (Travel Expenses)	14.45
TOTAL CHECKS TO DIRECTORS			\$ 14.45

EL TORO WATER DISTRICT 401K PLAN SUMMARY

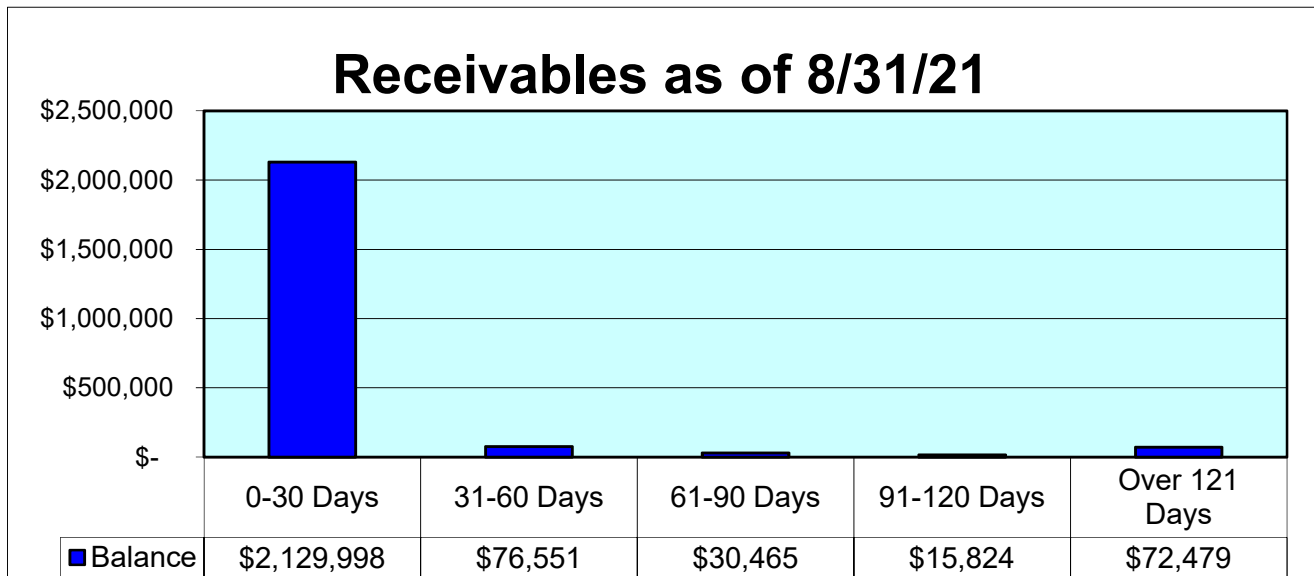
401K PLAN MARKET VALUE



MARKET VALUE SUMMARY							
	Growth Under 40 yrs. Old	Capital Appreciation 40 to 44 yrs. Old	Balanced 45 to 49 yrs. Old	Balanced Income 50 to 54 yrs. Old	Income & Growth 55 to 59 yrs. Old	Income 60 to 64 yrs. Old	Capital Pres. Port Over 65 yrs. Old
Balance at June 30, 2021	\$ 2,516,132.58	\$931,857.47	\$871,612.09	\$6,330,364.56	\$8,272,782.08	\$5,493,756.18	\$1,392,123.44
Contributions	55,678.82	20,028.09	27,145.76	26,283.81	58,089.01	59,813.95	28,662.56
Withdrawals	0.00	0.00	0.00	0.00	0.00	0.00	(61,663.54)
Transfers	(745,997.45)	644,927.49	101,069.96	(2,550,556.21)	789,398.55	1,375,194.76	385,962.90
Interest, dividends and appreciation net of fees and charges	44,615.02	35,265.02	21,133.23	78,323.60	171,913.71	106,001.39	15,411.00
Balance at August 31, 2021	\$ 1,870,428.97	\$1,632,078.07	\$1,020,961.04	\$3,884,415.76	\$9,292,183.35	\$7,034,766.28	\$1,760,496.36
Average return YTD August 31, 2021	1.77%	3.78%	2.42%	1.24%	2.08%	1.93%	1.11%

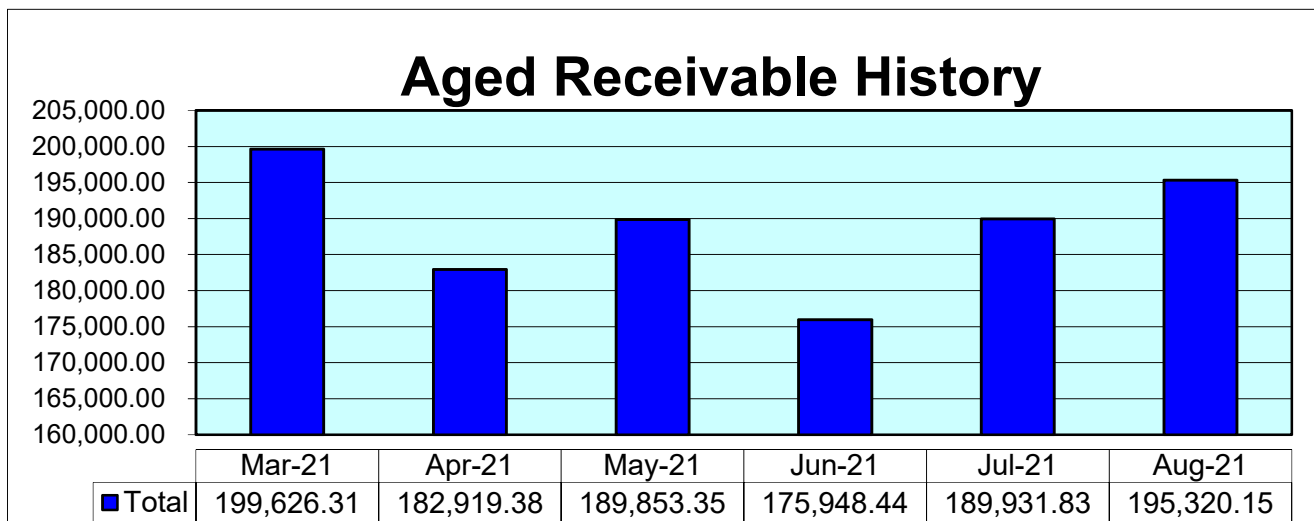
Average return is calculated by dividing the interest, dividends and appreciation, net of fees by beginning fiscal year fund balance.

RECEIVABLES AGEING



	0-30 Days	31-60 Days	61-90 Days	91-120 Days	Over 121 Days
Aug-20	1,340,559	88,495	19,595	11,175	31,953

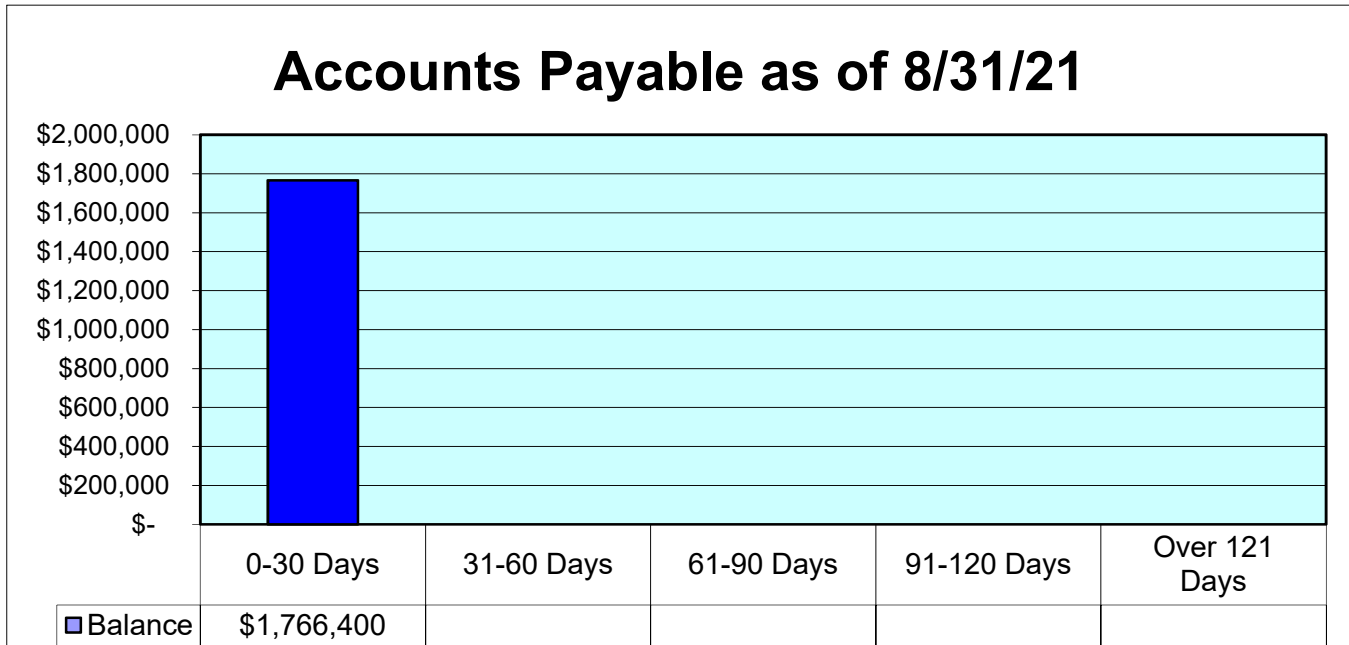
Bad Debts Year to Date: 1,199.49



Total receivables greater than 30 Days

	31-60 Days	61-90 Days	91-120 Days	Over 121 Days	Total
Mar-21	89,008.45	28,620.10	17,470.84	65,388.13	199,626.31
Apr-21	74,004.52	26,830.40	16,267.66	65,816.80	182,919.38
May-21	84,696.77	24,630.82	15,028.52	65,497.24	189,853.35
Jun-21	72,550.13	26,112.09	14,393.41	62,892.81	175,948.44
Jul-21	76,309.78	28,777.71	15,490.65	69,353.69	189,931.83
Aug-21	76,551.23	30,465.15	15,824.39	72,479.38	195,320.15

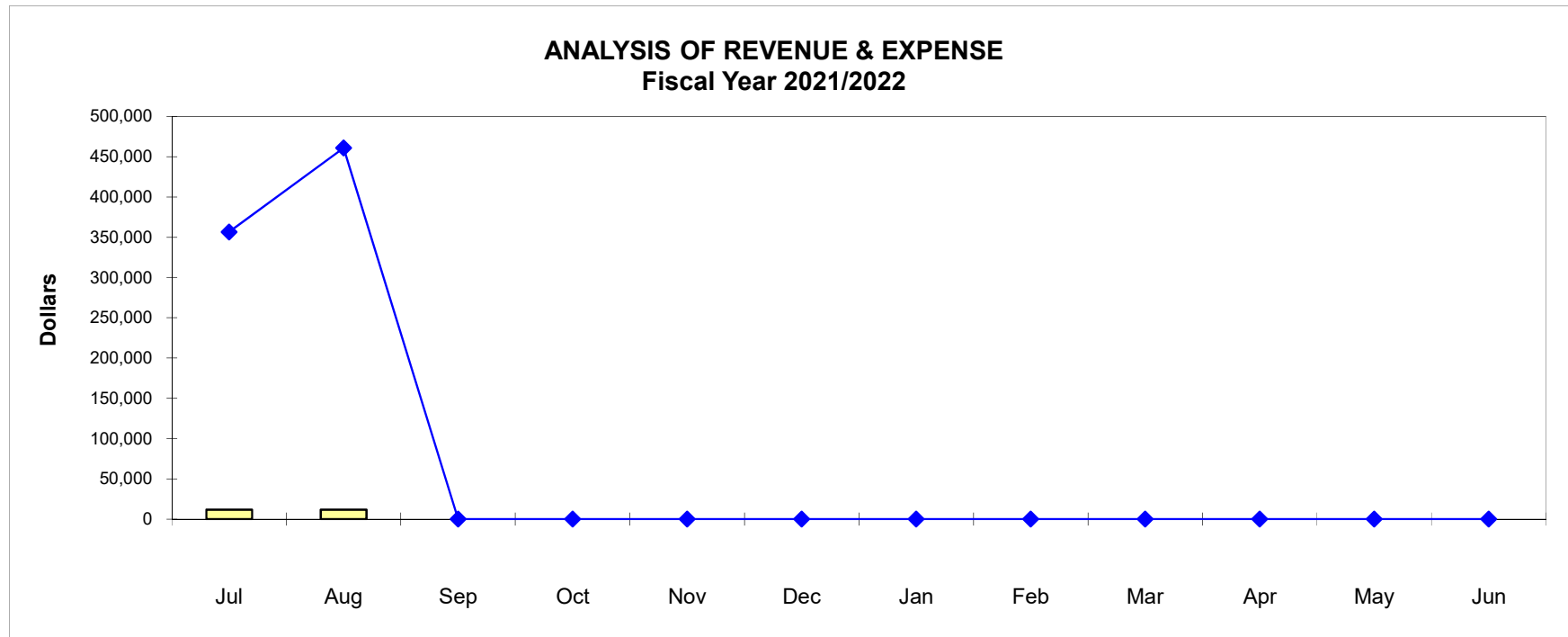
PAYABLES AGEING



Year to Date Discounts Taken: \$591

Page 11
El Toro Water District
Income Statement
August 2021

	Aug 21	Budget	% of Budget	Jul - Aug 20	Jul - Aug 21	YTD Budget	% of Budget	Annual Budget
Income								
4600 · Water Service Charge	351,085.74	352,427.49	99.62%	611,207.83	673,174.85	704,854.98	95.51%	4,229,130.00
4700 · Sanitary Service	684,534.87	686,461.43	99.72%	1,280,535.19	1,341,414.45	1,372,922.86	97.71%	8,237,537.00
4722 · Recycled Water Tertiary Sales	274,586.40	150,935.17	181.92%	478,957.23	545,935.53	301,870.34	180.85%	1,811,222.00
4724 · Service Charge - Recycled Water	31,141.60	32,325.00	96.34%	43,850.05	58,837.64	64,650.00	91.01%	387,900.00
4750 · Capital Facilities Charge	250,367.89	252,122.00	99.3%	501,120.66	501,078.45	504,244.00	99.37%	3,025,468.00
4800 · Commodity Charge	1,076,676.98	770,280.00	139.78%	2,007,481.63	2,022,125.87	1,540,560.00	131.26%	9,243,364.00
4950 · Other Operating Income	8,060.80	4,583.00	175.89%	2,230.00	10,135.90	9,166.00	110.58%	55,000.00
4960 · Other Income	65,503.51	48,467.00	135.15%	65,852.27	186,112.87	96,934.00	192.0%	581,625.00
4967 · SMWD	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00
4970 · Charges for Service/Facilities	0.00	11,123.00	0.0%	11,000.00	11,000.00	22,246.00	49.45%	133,500.00
4980 · Investment Income	-111.31	8,333.00	-1.34%	16,269.44	-4,465.27	16,666.00	-26.79%	100,000.00
4990 · Property Taxes	92,640.32	90,832.00	101.99%	177,310.09	183,473.65	181,664.00	101.0%	1,090,000.00
Total Income	2,834,486.80	2,407,889.09	117.72%	5,195,814.39	5,528,823.94	4,815,778.18	114.81%	28,894,746.00
Gross Profit	2,834,486.80	2,407,889.09	117.72%	5,195,814.39	5,528,823.94	4,815,778.18	114.81%	28,894,746.00
Expense								
5100 · Personnel Cost	701,410.79	752,722.00	93.18%	1,335,586.83	1,409,736.74	1,505,444.00	93.64%	9,032,900.00
5405 · Water Purchases	741,216.30	677,626.40	109.38%	1,621,375.93	1,504,091.02	1,355,252.73	110.98%	8,131,516.73
5410 · Electrical Power	150,942.17	104,216.69	144.84%	263,766.49	275,214.76	208,433.10	132.04%	1,250,600.00
5415 · Repair Parts & Materials	26,813.69	34,308.29	78.16%	45,153.83	77,289.18	68,617.10	112.64%	411,700.00
5420 · Equipment Maintenance & Repair	362.00	8,283.35	4.37%	26,687.14	13,638.41	16,566.50	82.33%	99,400.00
5425 · Pump Maintenance & Repair	0.00	6,958.34	0.0%	14,180.25	0.00	13,916.60	0.0%	83,500.00
5430 · Motor Maintenance & Repair	0.00	3,375.01	0.0%	0.00	0.00	6,749.90	0.0%	40,500.00
5440 · Electrical/Contl Maint & Repair	1,406.14	7,641.65	18.4%	1,647.15	4,280.69	15,283.50	28.01%	91,700.00
5445 · Meter Maintenance & Repair	0.00	833.34	0.0%	1,672.52	0.00	1,666.60	0.0%	10,000.00
5455 · Chemicals	28,324.76	19,249.99	147.14%	40,155.88	44,563.82	38,500.10	115.75%	231,000.00
5460 · Structure Maint & Repair	3,787.11	1,862.53	203.33%	3,869.56	3,967.11	3,724.70	106.51%	22,350.00
5465 · Asphalt Maintenance & Repair	0.00	6,416.68	0.0%	0.00	0.00	12,833.20	0.0%	77,000.00
5470 · Consultants	7,541.05	5,125.00	147.14%	145.30	7,541.05	10,250.00	73.57%	61,500.00
5475 · Contractors	103,946.46	101,524.97	102.39%	200,713.19	192,570.92	203,050.30	94.84%	1,218,300.00
5480 · Engineers	1,288.00	5,333.33	24.15%	1,528.84	1,854.00	10,666.70	17.38%	64,000.00
5482 · Dump Fees	407.46	1,500.00	27.16%	2,103.45	407.46	3,000.00	13.58%	18,000.00
5485 · Laboratory	7,995.98	2,775.00	288.14%	6,063.84	8,301.42	5,550.00	149.58%	33,300.00
5490 · License & Permits	8,854.67	15,116.68	58.58%	19,922.97	9,721.34	30,233.20	32.16%	181,400.00
5495 · Gas & Oil	9,475.34	8,500.00	111.48%	15,916.19	18,835.80	17,000.00	110.8%	102,000.00
5500 · Equipment Rental	1,564.07	1,616.67	96.75%	2,002.06	2,039.98	3,233.30	63.09%	19,400.00
5505 · Landscaping	4,746.60	13,683.34	34.69%	10,056.76	9,493.74	27,366.60	34.69%	164,200.00
5510 · Small Tools & Equipment	277.68	6,116.69	4.54%	7,912.29	2,140.62	12,233.10	17.5%	73,400.00
5515 · Security	1,608.84	1,600.01	100.55%	3,198.76	1,608.84	3,199.90	50.28%	19,200.00
5520 · Operating Supplies	4,188.78	4,933.33	84.91%	18,589.41	6,987.34	9,866.70	70.82%	59,200.00
5525 · Safety Equipment	1,445.81	3,458.32	41.81%	7,314.12	1,445.81	6,916.80	20.9%	41,500.00
5530 · Temporary Help	0.00	1,458.33	0.0%	0.00	0.00	2,916.70	0.0%	17,500.00
5535 · Other Employee Cost	3,888.13	11,333.33	34.31%	47,982.25	17,555.12	22,666.70	77.45%	136,000.00
5540 · Depreciation	355,342.00	362,500.00	98.03%	716,570.00	710,684.00	725,000.00	98.03%	4,350,000.00
5545 · Insurance	31,078.61	27,608.33	112.57%	50,694.09	61,518.14	55,216.70	111.41%	331,300.00
5548 · Retiree Medical Insurance	23,382.20	27,083.33	86.33%	43,440.06	46,764.40	54,166.70	86.33%	325,000.00
5555 · Advertising & Publicity	0.00	166.67	0.0%	0.00	0.00	333.30	0.0%	2,000.00
5560 · Amortization	570.49	575.00	99.22%	1,140.98	1,140.98	1,150.00	99.22%	6,900.00
5570 · Annual Event	0.00	500.00	0.0%	0.00	0.00	1,000.00	0.0%	6,000.00
5575 · Audit	2,900.00	2,141.67	135.41%	3,000.00	2,900.00	4,283.30	67.71%	25,700.00
5580 · Bad Debts	0.00	1,666.67	0.0%	45.54	1,199.49	3,333.30	35.99%	20,000.00
5585 · Bank Charges	5,635.49	5,916.67	95.25%	9,530.33	11,747.78	11,833.30	99.28%	71,000.00
5590 · Data Processing Supply & Access	546.43	2,499.99	21.86%	7,326.73	855.89	5,000.10	17.12%	30,000.00
5595 · Data Processing Equipment	12,044.24	2,916.65	412.95%	0.00	13,417.08	5,833.50	230.0%	35,000.00
5600 · Data Processing Consultants	1,016.20	5,000.00	20.32%	1,800.00	2,357.20	10,000.00	23.57%	60,000.00
5605 · Directors Fees	10,950.00	10,583.33	103.47%	20,805.00	21,681.00	21,166.70	102.43%	127,000.00
5610 · Dues & Memberships	8,228.03	7,266.67	113.23%	12,227.64	15,179.04	14,533.30	104.44%	87,200.00
5615 · Education & Training	0.00	1,300.00	0.0%	2,878.60	356.00	2,600.00	13.69%	15,600.00
5620 · Election Expense	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00
5625 · Employee Service Awards	-1,050.00	316.67	-331.58%	1,100.00	-703.04	633.30	-111.01%	3,800.00
5630 · Software Maintenance & Licenses	23,151.04	15,416.67	150.17%	10,572.80	27,068.05	30,833.30	87.79%	185,000.00
5640 · Interest Expense	59,294.54	59,833.33	99.1%	126,108.00	118,589.08	119,666.70	99.1%	718,000.00
5645 · Janitorial	6,715.49	3,750.00	179.08%	13,249.50	13,440.24	7,500.00	179.2%	45,000.00
5650 · Legal	1,951.42	8,791.66	22.2%	20,399.52	7,872.29	17,583.40	44.77%	105,500.00
5655 · Meets, Conventions & Travel	1,708.18	2,416.67	70.68%	461.96	5,599.75	4,833.30	115.86%	29,000.00
5657 · Meets, Con & Travel - Directors	3,688.83	3,658.31	100.83%	625.00	4,298.28	7,316.90	58.75%	43,900.00
5660 · Office Supplies	1,270.16	1,650.00	76.98%	2,411.07	2,701.48	3,300.00	81.86%	19,800.00
5670 · Postage	167.00	1,716.67	9.73%	248.00	3,343.20	3,433.30	97.38%	20,600.00
5675 · Printing & Reproduction	0.00	1,550.00	0.0%	0.00	289.76	3,100.00	9.35%	18,600.00
5680 · Property Tax	3.24	425.00	0.76%	3.48	3.24	850.00	0.38%	5,100.00
5685 · Public Education & Outreach	2,497.55	19,683.33	12.69%	17,910.09	4,899.48	39,366.70	12.45%	236,200.00
5690 · Publications & Subscriptions	0.00	125.00	0.0%	0.00	0.00	250.00	0.0%	1,500.00
5695 · Communications	9,639.90	9,474.99	101.74%	15,327.27	18,801.63	18,950.10	99.22%	113,700.00
5700 · Utilities	1,327.47	2,150.00	61.74%	2,153.04	1,980.51	4,300.00	46.06%	25,800.00
Total Expense	2,373,550.34	2,396,252.55	99.05%	4,777,573.71	4,711,270.12	4,792,505.23	98.31%	28,755,266.73
	Aug 21	Budget	% of Budget	Jul - Aug 20	Jul - Aug 21	YTD Budget	% of Budget	Annual Budget
Net Income	460,936.46	11,636.54	3,961.11%	418,240.68	817,553.82	23,272.95	3,512.89%	139,479.27

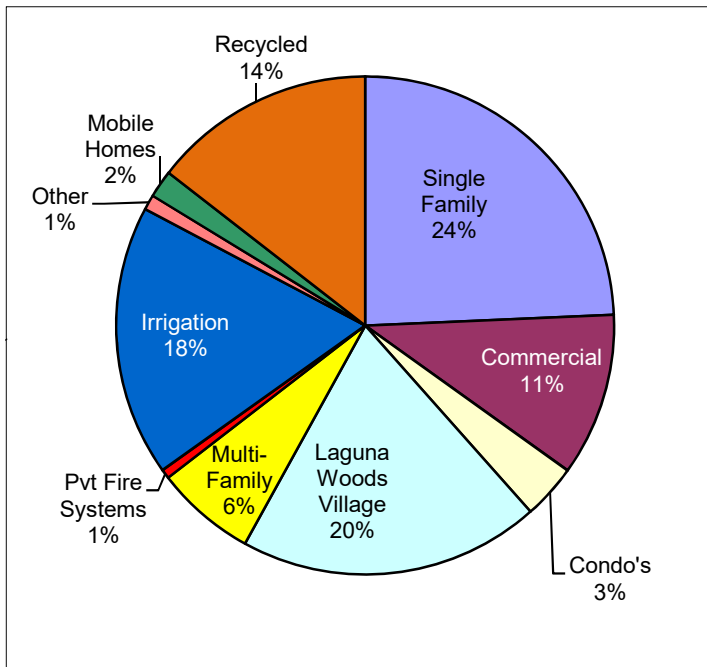
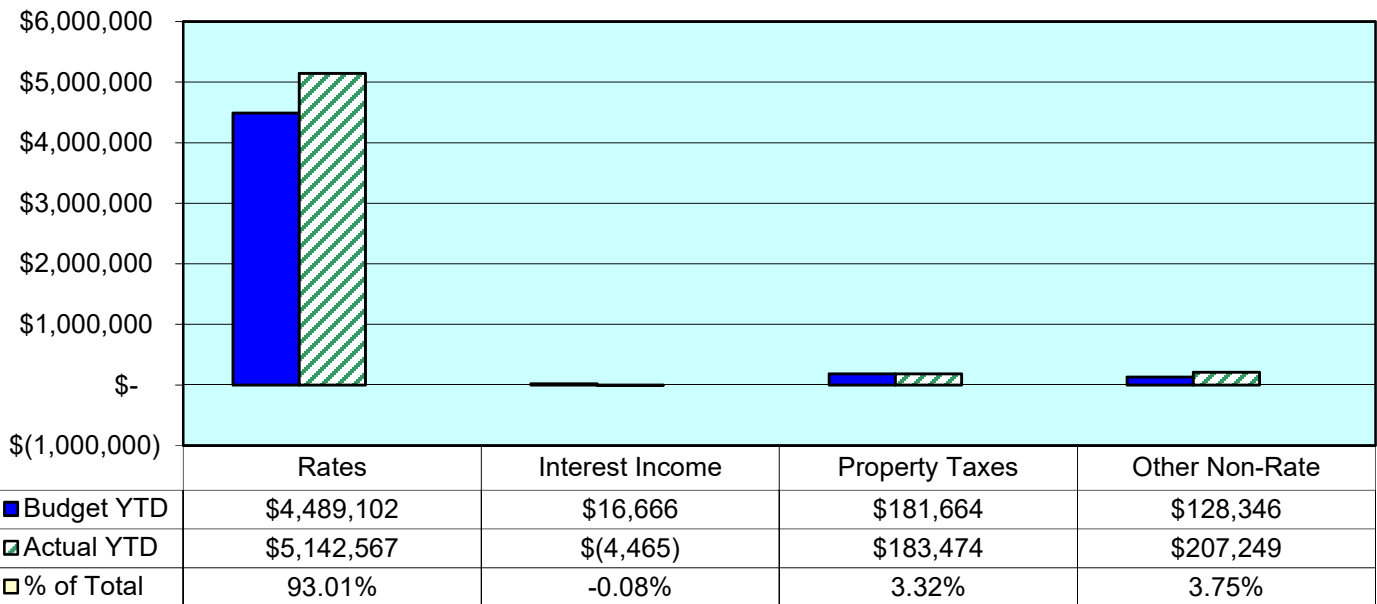


ANALYSIS OF REVENUES & EXPENSES BUDGET COMPARED TO ACTUAL FISCAL YEAR 2021/2022

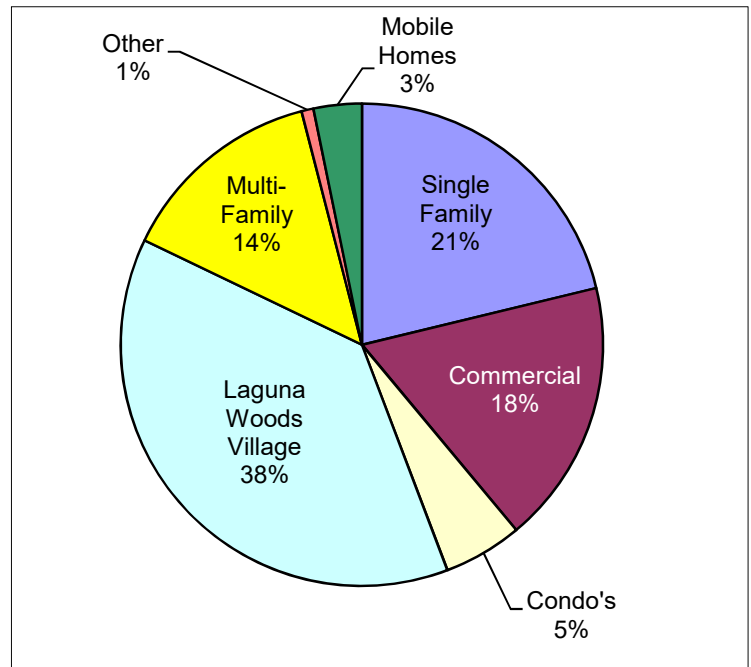
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EL TORO WATER DISTRICT REVENUES FROM WATER & WASTE WATER SALES AS OF 8/31/21

Where the Money Comes From



WATER REVENUE YTD 2021/2022



WASTE WATER REVENUE YTD 2021/2022

**EL TORO WATER DISTRICT
REVENUE COMPARISON
For the Month Ended August 31, 2021**

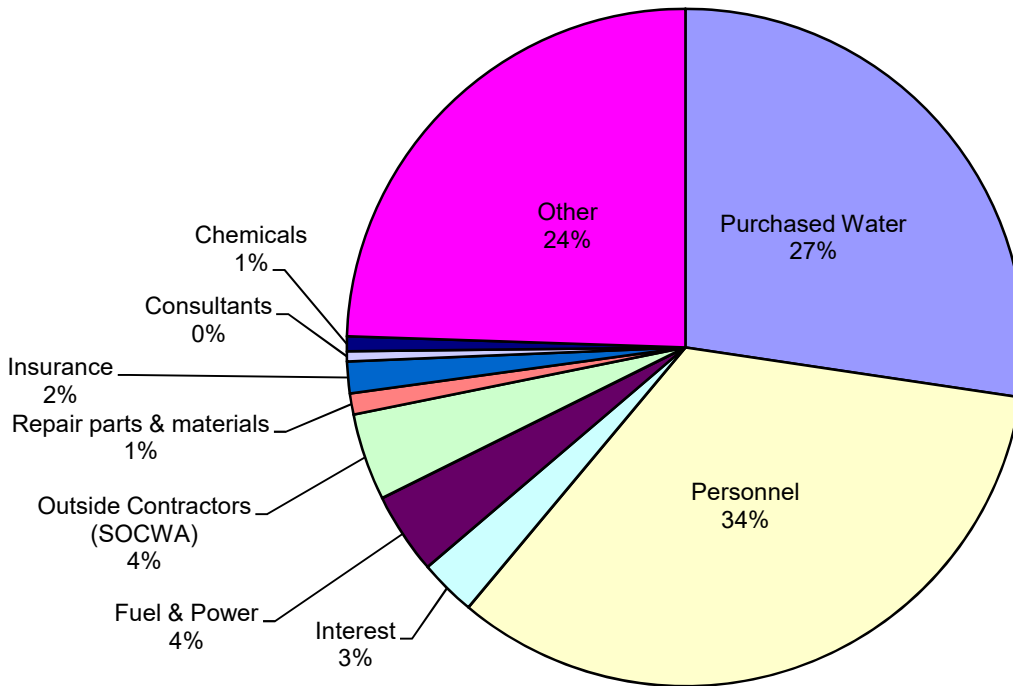
	ACTUAL	CURRENT MONTH BUDGET	VARIANCE DOLLARS	% +/-	YEAR TO DATE ACTUAL	YEAR TO DATE BUDGET	VARIANCE DOLLARS	% +/-	BUDGET	REMAINING BUDGET
<u>From Rates</u>										
Capital Facilities Charge	\$ 250,368	\$ 252,122	\$ (1,754)	-1%	\$ 501,078	\$ 504,244	\$ (3,166)	-1%	\$ 3,025,468	\$ 2,524,390
Water sales - Commodity	1,076,677	770,280	306,397	40%	2,022,126	1,540,560	481,566	31%	9,243,364	7,221,238
Water sales - Fixed Meter	351,086	352,427	(1,342)	0%	673,175	704,855	(31,680)	-4%	4,229,130	3,555,955
Waste water sales	684,535	686,461	(1,927)	0%	1,341,414	1,372,923	(31,508)	-2%	8,237,537	6,896,123
Recycled water tertiary sales	274,586	150,935	123,651	82%	545,936	301,870	244,065	81%	1,811,222	1,265,286
Service charge - Recycled water	31,142	32,325	(1,183)	-4%	58,838	64,650	(5,812)	-9%	387,900	329,062
TOTAL FROM RATES	2,668,393	2,244,551	423,842	19%	5,142,567	4,489,102	653,465	15%	26,934,621	21,792,054
<u>Non-rate Revenue</u>										
Admin fee	8,046	1,600	6,446	403%	10,106	3,200	6,906	216%	19,200	9,094
48 Hour notice fee	-	2,451	(2,451)	-100%	-	4,903	(4,903)	-100%	29,416.44	29,416
Restoration fee	-	370	(370)	-100%	-	740	(740)	-100%	4,440	4,440
Unpaid check fee	15	150	(135)	-90%	30	300	(270)	-90%	1,800	1,770
Cut lock fee	-	12	(12)	-100%	-	24	(24)	-100%	144	144
TOTAL NON-RATE	8,061	4,583	3,478	76%	10,136	9,167	969	11%	55,000	44,864
<u>Other Revenue</u>										
Investment Income	(111)	8,333	(8,444)	-101%	(4,465)	16,666	(21,131)	-127%	100,000	104,465
Property taxes	92,640	90,832	1,808	2%	183,474	181,664	1,810	1%	1,090,000	906,526
Other	65,504	48,467	17,036	35%	186,113	96,934	89,179	92%	581,625	395,512
TOTAL OTHER REVENUE	158,033	147,632	10,401	7%	365,121	295,264	69,857	24%	1,771,625	1,406,504
<u>Contract Service</u>										
Santa Margarita W. D.	-	-	-	0%	-	-	-	0%	0	0
Moulton Niguel W. D.	-	11,123	(11,123)	-100%	11,000	22,246	(11,246)	-51%	133,500	122,500
TOTAL CONTRACT SERVICES	-	11,123	(11,123)	-100%	11,000	22,246	(11,246)	-51%	133,500	122,500
 TOTAL REVENUE	 \$ 2,834,487	 \$ 2,407,889	 \$ 426,597	 18%	 \$ 5,528,824	 \$ 4,815,779	 \$ 713,045	 15%	 \$ 28,894,746	 \$ 23,365,922

**EL TORO WATER DISTRICT
NON-RATE REVENUE ANALYSIS
FOR THE MONTH ENDING August 31, 2021**

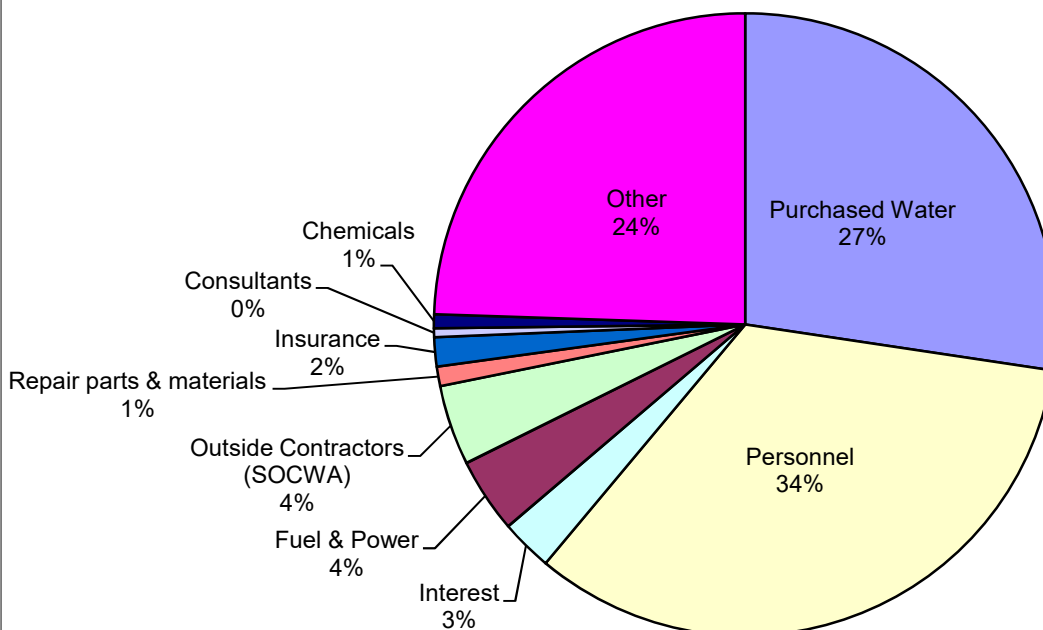
	Aug-21 Actual	Aug-21 Budget	Jul 21- Aug 21 YTD Actual	Jul 21- Aug 21 YTD Budget
Site Leases	26,352	19,582	40,051	39,164
MWD Recycled Water LRP Rebate	37,863	27,219	144,183	54,438
JPIA Refund	-	-	-	-
SOCWA Refund	-	-	-	-
Recycled Metal	1,221	-	1,221	-
Diesel Fuel Tax Refund	-	-	-	-
Sale of District Trucks	-	-	-	-
Purchase Discounts Taken	-	-	591	-
Misc Work for Customers	68	1,666	68	3,332
	<u>\$ 65,504</u>	<u>\$ 48,467</u>	<u>\$ 186,113</u>	<u>\$ 96,934</u>
Other Operating Income				
Sales to Santa Margarita	-		-	
Sales to Moulton Niguel	-		-	
	<u>-</u>		<u>-</u>	
Total	<u>65,504</u>		<u>186,113</u>	

WHERE THE MONEY GOES

YTD EXPENSES AT 8/31/21



EXPENSES YEAR ENDING 6/30/21



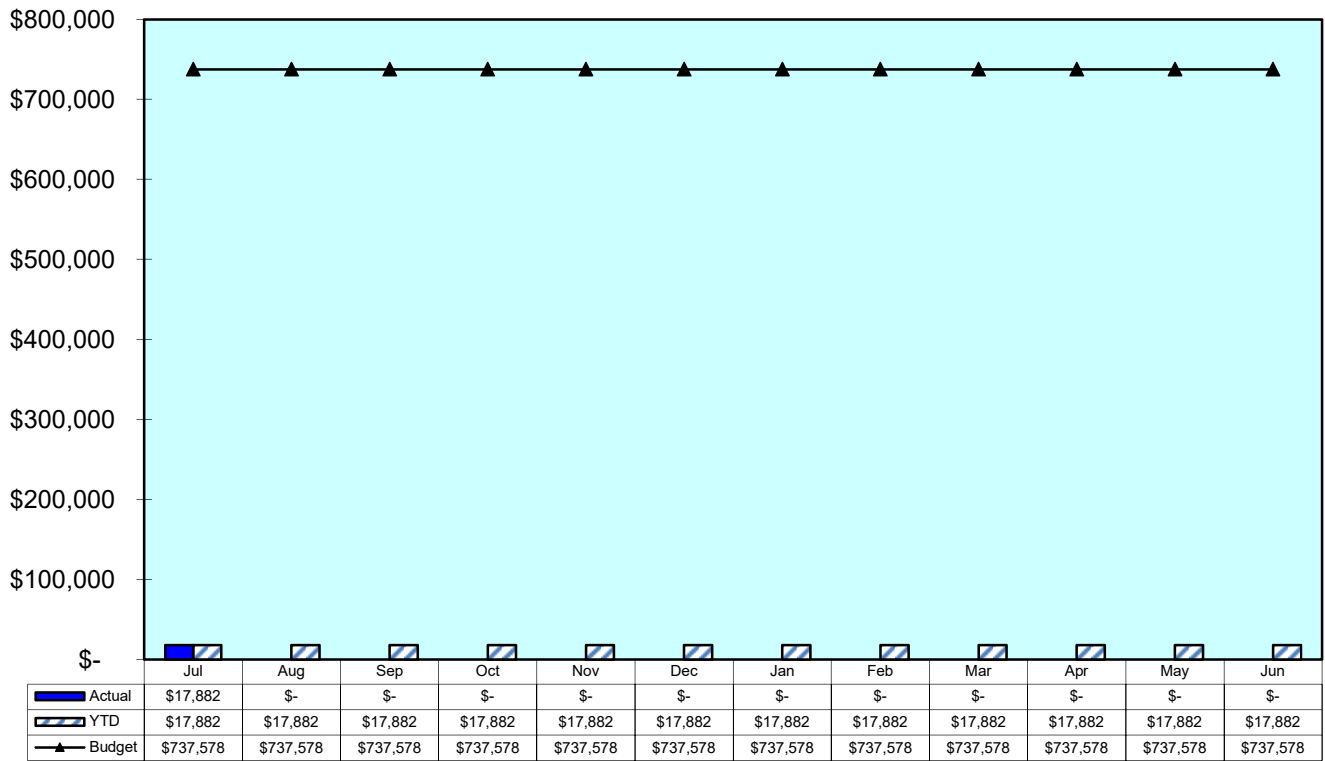
EL TORO WATER DISTRICT
Expense Comparison
For the Month Ended August 31, 2021

	ACTUAL	CURRENT MONTH BUDGET	VARIANCE DOLLARS	% +/-	YEAR TO DATE ACTUAL	YEAR TO DATE BUDGET	VARIANCE DOLLARS	% +/-	Annual BUDGET	REMAINING BUDGET
<u>Operating Expenses</u>										
Personnel cost	\$701,411	\$752,722	\$51,311	7%	\$1,409,737	\$1,505,444	\$95,707	6%	\$9,032,900	7,623,163
Purchased water	741,216	677,626	(63,590)	-9%	1,504,091	1,355,253	(148,838)	-11%	8,131,517	6,627,426
Electrical power	150,942	104,217	(46,725)	-45%	275,215	208,433	(66,782)	-32%	1,250,600	975,385
Repair parts & materials	26,814	34,308	7,495	22%	77,289	68,617	(8,672)	-13%	411,700	334,411
Equipment repairs & maintenance	362	8,283	7,921	96%	13,638	16,567	2,928	18%	99,400	85,762
Pump repairs & maintenance	0	6,958	6,958	100%	0	13,917	13,917	100%	83,500	83,500
Motor repairs & maintenance	0	3,375	3,375	100%	0	6,750	6,750	100%	40,500	40,500
Electrical repairs & maintenance	1,406	7,642	6,236	82%	4,281	15,284	11,003	72%	91,700	87,419
Meter repairs & maintenance	0	833	833	100%	0	1,667	1,667	100%	10,000	10,000
Chemicals	28,325	19,250	(9,075)	-47%	44,564	38,500	(6,064)	-16%	231,000	186,436
Structure repairs & maintenance	3,787	1,863	(1,925)	-103%	3,967	3,725	(242)	-7%	22,350	18,383
Asphalt repairs & maintenance	0	6,417	6,417	100%	0	12,833	12,833	100%	77,000	77,000
Consultants - outside	7,541	5,125	(2,416)	-47%	7,541	10,250	2,709	26%	61,500	53,959
Contractors - outside	103,946	101,525	(2,421)	-2%	192,571	203,050	10,479	5%	1,218,300	1,025,729
Engineers - outside	1,288	5,333	4,045	76%	1,854	10,667	8,813	83%	64,000	62,146
Dump fees	407	1,500	1,093	73%	407	3,000	2,593	86%	18,000	17,593
Laboratories	7,996	2,775	(5,221)	-188%	8,301	5,550	(2,751)	-50%	33,300	24,999
License & permits	8,855	15,117	6,262	41%	9,721	30,233	20,512	68%	181,400	171,679
Automotive fuel & oil	9,475	8,500	(975)	-11%	18,836	17,000	(1,836)	-11%	102,000	83,164
Equipment rental	1,564	1,617	53	3%	2,040	3,233	1,193	37%	19,400	17,360
Landscaping	4,747	13,683	8,937	65%	9,494	27,367	17,873	65%	164,200	154,706
Small tools & equipment	278	6,117	5,839	95%	2,141	12,233	10,092	83%	73,400	71,259
Security	1,609	1,600	(9)	-1%	1,609	3,200	1,591	50%	19,200	17,591
Operating supplies	4,189	4,933	745	15%	6,987	9,867	2,879	29%	59,200	52,213
Safety equipment	1,446	3,458	2,013	58%	1,446	6,917	5,471	79%	41,500	40,054
Temporary help	0	1,458	1,458	100%	0	2,917	2,917	100%	17,500	17,500
Other employee cost	3,888	11,333	7,445	66%	17,555	22,667	5,112	23%	136,000	118,445
Employee service awards	(1,050)	317	1,367	432%	(703)	633	1,336	211%	3,800	4,503
Education & training	0	1,300	1,300	100%	356	2,600	2,244	86%	15,600	15,244
Total Operating Expenses	1,810,442	1,809,186	(1,256)	0%	3,612,938	3,618,371	5,433	0%	21,710,467	18,097,529

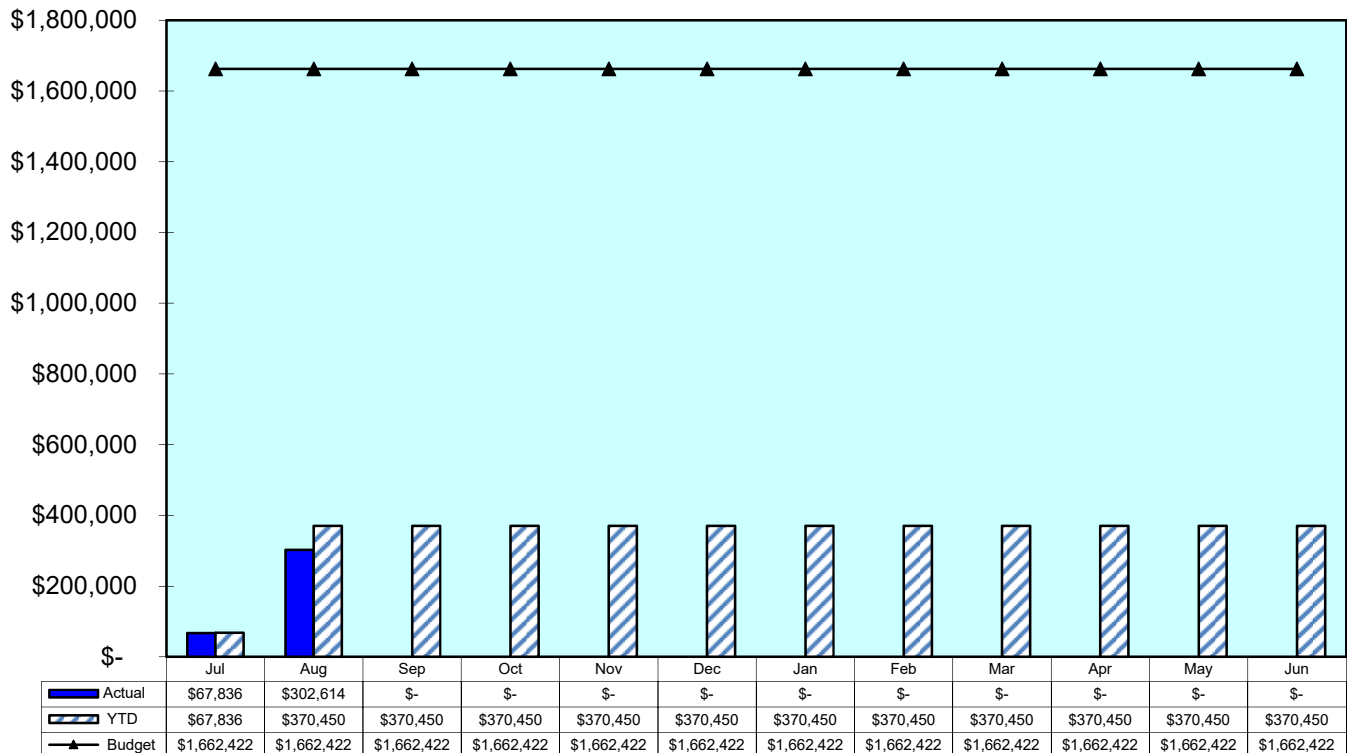
EL TORO WATER DISTRICT
Expense Comparison
For the Month Ended August 31, 2021

	ACTUAL	CURRENT MONTH BUDGET	VARIANCE DOLLARS	% +/-	YEAR TO DATE ACTUAL	YEAR TO DATE BUDGET	VARIANCE DOLLARS	% +/-	Annual BUDGET	REMAINING BUDGET
<u>Indirect Cost</u>										
Depreciation	355,342	362,500	7,158	2%	710,684	725,000	14,316	2%	4,350,000	3,639,316
Amortization	570	575	5	1%	1,141	1,150	9	1%	6,900	5,759
Insurance	31,079	27,608	(3,470)	-13%	61,518	55,217	(6,301)	-11%	331,300	269,782
Retiree Medical Insurance	23,382	27,083	3,701	14%	46,764	54,167	7,402	14%	325,000	278,236
Data processing supplies & assc.	546	2,500	1,954	78%	856	5,000	4,144	83%	30,000	29,144
Data processing equipment	12,044	2,917	(9,128)	-313%	13,417	5,834	(7,584)	-130%	35,000	21,583
Data processing consultants	1,016	5,000	3,984	80%	2,357	10,000	7,643	76%	60,000	57,643
Software maintenance & licenses	23,151	15,417	(7,734)	-50%	27,068	30,833	3,765	12%	185,000	157,932
Janitorial	6,715	3,750	(2,965)	-79%	13,440	7,500	(5,940)	-79%	45,000	31,560
Printing & reproduction	0	1,550	1,550	100%	290	3,100	2,810	91%	18,600	18,310
Publications & subscriptions	0	125	125	100%	0	250	250	100%	1,500	1,500
Communications - voice	1,386	1,333	(52)	-4%	2,370	2,667	297	11%	16,000	13,630
Communications - data	5,320	5,058	(262)	-5%	10,756	10,117	(640)	-6%	60,700	49,944
Communications - mobile	2,934	3,083	149	5%	5,676	6,167	491	8%	37,000	31,324
Utilities	1,327	2,150	823	38%	1,981	4,300	2,319	54%	25,800	23,819
Total Indirect Cost	464,814	460,650	(4,164)	-1%	898,318	921,300	22,982	2%	5,527,800	4,629,482
<u>Overhead Cost</u>										
Annual events	0	500	500	100%	0	1,000	1,000	100%	6,000	6,000
Audit	2,900	2,142	(758)	-35%	2,900	4,283	1,383	32%	25,700	22,800
Bad debts	-	1,667	1,667	100%	1,199	3,333	2,134	64%	20,000	18,801
Bank charges	5,635	5,917	281	5%	11,748	11,833	86	1%	71,000	59,252
Directors fees	10,950	10,583	(367)	-3%	21,681	21,167	(514)	-2%	127,000	105,319
Dues & memberships	8,228	7,267	(961)	-13%	15,179	14,533	(646)	-4%	87,200	72,021
Election Expense	0	0	0	0%	0	0	0	0%	0	0
Interest	59,295	59,833	539	1%	118,589	119,667	1,078	1%	718,000	599,411
Legal	1,951	8,792	6,840	78%	7,872	17,583	9,711	55%	105,500	97,628
Meetings, conventions & travel	1,708	2,417	708	29%	5,600	4,833	(766)	-16%	29,000	23,400
Meets, con & travel - Directors	3,689	3,658	(31)	-1%	4,298	7,317	3,019	41%	43,900	39,602
Office supplies	1,270	1,650	380	23%	2,701	3,300	599	18%	19,800	17,099
Postage	167	1,717	1,550	90%	3,343	3,433	90	3%	20,600	17,257
Property taxes	3	425	422	99%	3	850	847	100%	5,100	5,097
Advertising & Publicity	0	167	167	100%	-	333	333	100%	2,000	2,000
Public education & outreach	2,498	19,683	17,186	87%	4,899	39,367	34,467	88%	236,200	231,301
Total Overhead Cost	98,294	126,417	28,122	22%	200,014	252,834	52,819	21%	1,517,000	1,316,986
TOTAL EXPENSES	\$2,373,550	\$2,396,253	\$22,702	1%	\$4,711,270	\$4,792,505	\$81,235	2%	\$28,755,267	\$24,043,997

CAPITAL COST ANALYSIS - EQUIPMENT 8/21



CAPITAL COST ANALYSIS - PROJECTS 8/21



MINUTES OF THE REGULAR MEETING
& OF THE
ENGINEERING COMMITTEE MEETING

August 23, 2021

At approximately 9:10 a.m. Director Vergara called the Engineering Committee meeting to order.

Committee Members MIKE GASKINS, KATHRYN FRESHLEY, JOSE VERGARA, MARK MONIN (via zoom), and KAY HAVENS participated.

Also participating were DENNIS P. CAFFERTY, General Manager, JUDY CIMORELL, Human Resources Manager (via zoom), JASON HAYDEN, CFO, GILBERT J. GRANITO, General Counsel, SCOTT HOPKINS, Operations Superintendent, HANNAH FORD, Engineering Manager, POLLY WELSCH, Recording Secretary (via zoom), and CAROL MOORE, Laguna Woods Council Member (via zoom).

Consent Calendar

Director Vergara asked for a Motion.

Motion: Vice President Freshley made a Motion, seconded by Director Havens and unanimously carried across the Board to approve the July 19, 2021 Engineering Committee meeting minutes.

Roll Call Vote:

Director Havens	aye
Vice President Freshley	aye
Director Vergara	aye
President Gaskins	aye
Director Monin	aye

Engineering Action Items

There were no action items.

Engineering General Information Items

Advanced Metering Infrastructure (AMI)

Mr. Cafferty stated that our existing 9,800 meter inventory needs a replacement program as meters age and tend to under-register. He further stated that the replacement of 15-20 year old meters has been on hold until a decision is made about an AMI Program.

Mr. Cafferty stated that there are several thousand meters that exceed 20 years of age, and we are waiting to see if AMI works for the District. He further stated that the cost to replace all the existing meters with the current meter technology is \$1.7 million.

Mr. Cafferty stated that the cost to install the same amount of AMI capable meters is approximately \$2.8 million. Mr. Cafferty further noted that these costs are only the meter material cost and it would be very difficult for staff to catch up on meter replacements without contractor assistance. He further stated that we are also looking at Grant opportunities.

Mr. Cafferty stated that we are going to need to decide whether or not to pursue the AMI meter replacement program, and if not, we need to begin our own meter replacement program. Mr. Cafferty further stated that the financial analysis of the Certificates of Participation issuance will evaluate the impact of funding an AMI project.

Director Monin stated that it appears only 20% of people around us are using AMI, is this correct. Mr. Cafferty replied that MNWD, SCWD, Newport Beach, and Laguna Beach are using AMI, so north of 50% of neighboring agencies are using AMI.

Director Monin asked why some agencies are still in AMR and have not gone to AMI. Mr. Cafferty replied that it's the cost to build the data transmission system.

Director Monin suggested that the District could install AMI compatible meters

until we eventually consider going to AMI. Mr. Cafferty confirmed the suggestion is possible but staff has not analyzed the scheduling or phasing issues with such an approach.

Director Havens asked by using this data transmission, are we subject to hacking. Mr. Cafferty replied yes, but the District would build the system with security measures in place.

Director Vergara asked if any agency has not implemented AMI because their Union opposes it. Mr. Cafferty replied not that he has heard.

Vice President Freshley asked if we would be putting in towers to capture the data. Mr. Cafferty replied that it is one option we considered, with cellular being another.

Director Vergara suggested that staff keep the Board posted until we have more data.

Director Monin asked about the cost of AMI meters versus the cost of analog normal meters. Mr. Cafferty replied that if we were to replace every meter in the system, the total cost just to buy the meters is \$1.7 million. He further stated that for the same number of meters with the AMI capability, it's \$2.8 million.

Director Monin asked if we divide \$1.7 million by how many meters, what is the cost per meter. Mr. Cafferty replied that 9,800 meters divided by \$1.7 million is approximately \$173 per analog meter, but the unit cost for a 5/8" meter is about \$170 plus tax, and the unit cost for a 2" meter is \$685 plus tax.

Director Monin asked for the amount of each meter as AMI. Mr. Cafferty replied that the cost per AMI meter would be \$285.

Director Monin asked if this project could be done in phases. Mr. Cafferty replied

that if we are funding the project through COP's, we would try to use the money within 3 years, so we could phase the project throughout a 3-year period.

ETWD Capital Project Status Report

Phase II Recycled Water Distribution System Expansion Project

Mr. Cafferty stated that upon receipt of the on-site rebates, the Phase II Recycled Water project will be complete. He further stated that all of the Phase II meters are on-line.

Oso Lift Station Improvement Project

Mr. Cafferty stated that the new pump station is operating, and the remaining part of the project is demolition of the existing pump station building, and installing the new generator. He further stated that this project should be complete in October.

Mr. Cafferty stated that we now have clear documentation of our ownership of the property.

Director Monin stated that he would like to be able to park there on the weekend and have the pylons removed.

Filter Plant Building/WEROC EOC

Mr. Cafferty stated that staff has issued the request for proposals and worked with MWDOC on the generation of proposals through the PlanetBids portal. He further stated that proposals are due on September 2nd, and staff will bring a design proposal to the Board in October.

Mr. Cafferty stated that only one consultant (Brady) attended the mandatory pre-proposal meeting. He further stated that Brady is the consultant that completed the original Alternatives Analysis. Mr. Cafferty noted that the selection of Brady for the Alternatives Analysis phase of the project was based on a competitive evaluation of four

proposals. Mr. Cafferty suggested that other firms might have avoided the cost of preparing a proposal feeling that Brady had a competitive advantage.

R-6 Reservoir Cover Replacement & Improvement Project

Mr. Cafferty stated that design continues and the Consultant (Hilts Consulting Group) has prepared a Technical Memorandum that addresses a variety of design issues, which staff is reviewing. He further stated that one of the key questions they are asking is the material selection for the cover.

Mr. Cafferty stated that staff met with the Consultant, SMWD, and MNWD to discuss the selection of a material for the cover and the implications of leaving the existing liner in place. He further stated that staff is coordinating with a diver to retrieve samples of the liner material below the water level to conduct further testing of the liner material properties in order to make a more informed decision about the remaining useful life of the liner.

Main Office HVAC Replacement and Improvement Project

Mr. Cafferty stated that staff is working with a structural engineer looking at the weight capacity of the roof relative to the a/c units.

Aeration Basin Diffuser Project

Mr. Cafferty stated that the District received notice of a delay due to COVID related material supply chain challenges. He further stated that the project is currently in the submittal phase, and materials are expected in November, with completion by the end of December.

OOPS Generator Replacement Project

Mr. Cafferty stated that this project is also affected by the COVID related material

supply chain challenges, which has doubled the lead time.

WRP Main Electrical Power Breakers Replacement Project

Mr. Cafferty stated that we have just issued the contract.

Phase III Recycled Water Project

Mr. Cafferty stated that staff is reviewing a Phase III Recycled Water project. He further stated that staff is focusing on the Gate 11 area, Mill Creek, and Gate 1.

JTM Pump Station Project

Mr. Cafferty stated that staff is working with Tetra Tech to develop a cost estimate for the construction of the JTM pump station, and will provide a detailed evaluation of costs and benefits at an upcoming Board meeting.

Energy Efficiency Analysis

Mr. Cafferty stated that staff has met with SoCalRen and AESC to discuss findings and recommendations on operational changes that do not require infrastructure investment.

Comments Regarding Non-Agenda Engineering Committee Items

There were no comments.

Close Engineering Committee Meeting

At approximately 10:15 a.m. the Engineering Committee meeting was closed.

Adjournment

There being no further business, the Engineering Committee meeting was adjourned at approximately 10:20 a.m.

Respectfully submitted,

POLLY WELSCH
Recording Secretary

APPROVED:

MIKE GASKINS, President
of the El Toro Water District and the
Board of Directors thereof

DENNIS P. CAFFERTY, Secretary
of the El Toro Water District and the
Board of Directors thereof



STAFF REPORT

To: Board of Directors

Meeting date: September 23, 2021

From: Scott Hopkins, Operations Superintendent

Subject: WRP Forklift Replacement

INTRODUCTION AND BACKGROUND

The Water Recycling Plant forklift is used every day to pick-up both of the course & fine screening's tip bins from the Headworks and convey them to the patio roll-off-bin, where their contents are safely disposed. The rest of time, the WRP's forklift becomes a multiple function piece of equipment. It is used to load & unload heavy equipment, pumps, and motors onto or off of delivery trucks. The forklift can be equipped with a fork extension boom, which can be attached to the forklift that can be used as a small crane to install or remove pumps, motors, and gearboxes. WRP staff also uses a two-man caged platform that can be raised by the forklift to place staff at a safer level to work on equipment without the use of a ladder. In case of an emergency, the forklift can tow portable generators, portable trailer mounted pumps, carry pallets of sand bags, several safety cones, and suction & discharge hose all within the Plant or up to the Holding Pond area. Lastly, the WRP forklift has been the main workhorse during general & major housekeeping projects used to move spare parts, pumps, and motors during spring cleaning of the spare parts barn, and using an empty tip bin to collect trash from the trash cans from around the plant and safely dump this trash into the Plant's roll-off trash dumpster.

The current forklift is over 16 years old. The District's Senior Mechanic is constantly making repairs to the equipment and is unable to source some parts for those



repairs. The forklift also no longer meets AQMD emissions standards. Due to the age and challenges associated with the maintenance of the existing WRP Forklift, the replacement of the equipment was included in the 2021-22 capital budget.

DISCUSSION

The proposed forklift is a 2021 Hyundai with a similar 11,000 pound capacity to the existing forklift at the WRP. The new forklift will be better equipped to meet the daily use at the WRP and will meet AQMD tier 4 air quality standards.

Staff is proposing to procure the new forklift through Sourcewell. Sourcewell is a self-sustaining government organization with over 40 years of service that offers member agencies contract purchasing solutions that are leveraged to enable contracted suppliers and member agencies to work smarter and more efficient as they do business with each other. Sourcewell does this by establishing a business and service alliance between member buyers and contracted suppliers ensuring a valued and successful national cooperative contract program. Sourcewell contracts are nationally solicited, competitively bid and awarded on behalf of Sourcewell current and potential government and education members.



BUDGET

Staff recommends the purchase of one forklift from Select Equipment (Hyundai authorized vendor) in the amount of \$83,580.59 under the Sourcewell contract. The adopted 2020-21 capital budget for the WRP forklift is \$80,000.00. The small budget exceedance is due to a recent price increase. The budget was based on a quote received in March of 2020. The District, as well as all of its neighboring agencies, have recently experienced rapid price increases on a variety of projects and equipment. The District has adequate capital reserves to fund the small budget exceedance.

RECOMMENDATION

Staff recommends that the Board of Directors authorize General Manager to enter into a purchase order with Select Equipment in the amount of \$83,580.59 for the purchase of a replacement forklift for the Water Recycling Plant. Staff further recommends that the Board authorize the General Manager to fund the purchase cost from the designated Capital Reserves in accordance with the District's adopted Capital Reserve Policy.



STAFF REPORT

To: Board of Directors

Meeting Date: September 20, 2021

From: Hannah Ford, Engineering Manager

Subject: Capital Project Status Report

I. Oso Lift Station Improvement Project

The contractor (Filanc Construction) is working toward project completion with remaining above ground structures and appurtenances. Filanc placed the generator and its pad, performed site grading, and is preparing to install the rolling gate. The proposed generator will undergo commissioning by the end of September 2021. The total project is on schedule to complete in October 2021.



Staff is working with the City of Laguna Woods to finalize the Lot Line Adjustment for the additional property incorporated into the Oso Lift Station site.

Table 1 summarizes the project financials to date. Although the total contract amounts slightly exceeds the approved project budget, as shown by the negative contingency, anticipated expenditures remain lower than budget because not all contract limits will be fully expended.

Table 1 – Oso Lift Station Construction Cost Estimate Summary

	Contract Amount	Billed to Date	Anticipated Expenditure
Total Construction Contract Bid Amount	\$ 1,954,236	\$ 1,715,228	\$ 1,954,236
Approved Change Orders	\$ 133,294	\$ 133,294	\$ 133,294
Anticipated Deduct Change Order	(\$20,000)		(\$20,000)
Specialty Inspections (Env., Geotech)	\$ 32,685	\$ 13,947	\$ 22,000
Eng. Services During Construction	\$ 96,000	\$ 84,000	\$ 93,000
Property Ownership Legal Costs	\$ 78,622	\$78,622	\$78,622
Utility Costs (SCE/AT&T)	\$ 18,147	\$ 18,147	\$ 18,147
Permit Costs	\$ 6,650	\$6,650	\$6,650
Contingency	(\$ 11,398)	\$ 0	\$ 8,937
Total	\$2,288,236	\$ 2,049,888	\$ 2,288,236

II. Filter Plant Building / Water Emergency Response Organization of Orange County (WEROC) Emergency Operations Center (EOC)

District and Municipal Water District of Orange County (MWDOC) staff are reviewing the proposal submitted from Richard Brady and Associates (Brady) for design engineering and geotechnical services to prepare contract documents for demolition of the existing filter plant building as well as construction of a warehouse/storage building for the District and a new EOC for WEROC. MWDOC and District staff met to discuss the proposal and will review comments and negotiate cost with Brady this month. Staff plans to request Board approval for awarding the contract award in October.



III. R-6 Floating Cover Replacement & Improvement Project

Staff reviewed the preliminary design report from Hilts Consulting Group (HCG). The key outstanding design decisions are:

- (1) whether to replace the liner and
- (2) what material to use for the cover (and liner, if replaced).

These decisions interrelate based on necessary longevity of the cover. If the District can delay replacement of the liner for another 20 years, a less expensive cover material with a shorter useful life may suffice. If the liner is in poor condition, replacing both the liner and cover with a more expensive material that lasts longer would result in a lower cost over the life span of the reservoir. Divers recently took several samples of the existing liner from the floor of the reservoir that will allow HGC to perform materials testing to assess the existing liner condition and determine the potential viability of leaving the existing liner in place. Staff await results to inform these design decisions.

Staff are also actively working on the reservoir out of service and drain down procedure in preparation for construction starting in September 2022. These procedures will include contingency plans to accommodate any potential import supply interruptions when the reservoir is out of service.



IV. R-2 Reservoir Interior Recoating Project

Municipal Diving Services, Inc. inspected R-2 in December of 2019 and noted several areas of coating failure and corrosion. The inspection report recommended recoating the interior of R2 in the immediate future to prevent metal loss and corrosion from causing an uncontrollable leak. Accordingly, the District plans to recoat the tank's interior surfaces. Wood Rogers developed design documents.



Staff reviewed the 100% design documents, filed a notice of exemption from the California Environmental Quality Act (CEQA), developed bidding documents, and plans to bid the project next month.

V. Grit Chamber Rehabilitation

The Water Reclamation Plant (WRP) grit chamber and associated influent and effluent channels have experienced significant concrete degradation and coating failure. Absent of its protective coating, aggregate has been exposed on portions of the grit chamber walls. The District plans to rehabilitate the grit chamber (concrete repair and recoat), replace corroded supports, and replace the influent channel slide gate that facilitates bypassing flow around the grit chamber.



Wood Rogers developed design documents and is working with the District to determine work restrictions and whether bypass pumping will be necessary. Staff reviewed the 100% design documents, filed a notice of exemption from CEQA, developed bidding documents, and plans to bid the project next month.

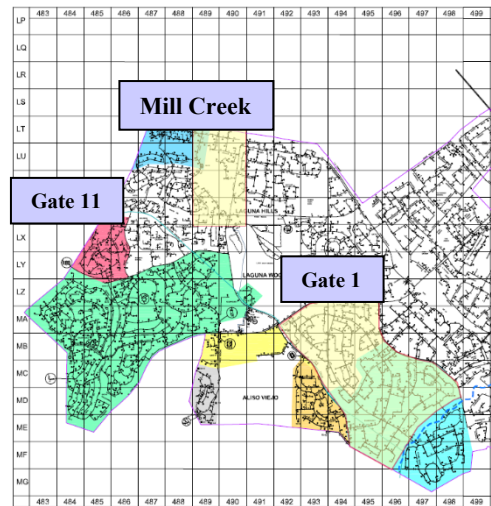
VI. Main Office HVAC Replacement and Improvement Project

As noted at the June Engineering Committee meeting, the Main Office HVAC Replacement and Improvement Project was previously bid with a low bid in the amount of \$370,000. Staff rejected the bids and is determining if design changes can reduce cost.

The District hired Scott Wallace Structural Engineers, Inc. (SWSE), to evaluate the structural requirements for replacing the existing five air conditioners in their current location on the roof. SWSE confirmed that modifications are necessary to support changes to roof mounted HVAC equipment. Staff is working with SWSE to determine the required extent and cost effectiveness of structural modifications to the roof.

VII. Phase III Recycled Water Project

Staff provided two years of potable water demand data for the proposed recycled water expansion irrigation areas as well as potable and recycled water demand data from the previous retrofit areas. Tetra Tech will use this data to estimate the typical recycled water demands for the proposed use areas. Calibrated irrigated area demand factors (acre-feet per year per acre irrigated) will factor into the District's cost and payback estimates for recycled water expansion areas. Tetra Tech is also working on measuring the proposed recycled water irrigation areas using available aerial photography for the proposed Phase III customers' green areas. Staff anticipates receipt of a draft technical memorandum (TM) from Tetra Tech in early November.



VIII. Joint Transmission Main (JTM) Pump Station Project

Tetra Tech has developed a preliminary layout and is working on the cost estimate for the proposed JTM Pump Station. Staff anticipates receiving a draft TM this month and will provide a detailed evaluation of the project costs and benefits at the October Board meeting.

IX. Aeration Basin Diffuser Project

Filanc Construction is working with the vendor for delivery of materials. Delayed due to COVID-19 related material supply chain challenges, delivery and start of work will be November 2021 with completion at the end of December 2021.

X. Ocean Outfall Pump Station (OOPS) Generator Replacement Project

The generator is now in production, and staff is closing out remaining project submittals. Due to COVID-19 related material supply chain challenges, delivery of the generator from the manufacturer has been delayed until April 2022. Filanc Construction is scheduled to commission the generator and complete the project by May 2022.

XI. WRP Main Electrical Power Breakers Replacement Project

Schneider Electric USA Inc. plans to visit the WRP to measure the existing panels in October. Following this site visit, they will manufacture the second breaker.

XII. Phase II Recycled Water Distribution System Expansion Project

Upon receipt of the on-site retrofit rebates, the Phase II Recycled Water Distribution System Expansion Project will be complete.

XIII. Energy Efficiency Analysis

In June of 2021 the detailed Energy Efficiency Analysis commenced with a presentation to the Board from SoCalREN and AESC. Since that time SoCalREN/AESC have performed an analysis of ETWD operations and SCE bills making preliminary recommendations. Staff has already implemented some of the recommendations such as maximizing run time of the most efficient pumps and changing certain operations at the WRP.

Staff is currently providing data to AESC from the District SCADA system as well as pump curves to help with their research and recommendations to the District. AESC will provide further detailed recommendations for District review in November.

**F.Y. 2021/22 CAPITAL REPLACEMENT AND REFURBISHMENT PROGRAM BUDGET ITEMS > \$50,000
BOARD APPROVAL SCHEDULE**

Category	Project Description	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	CRRP Budget	Board Approved Cost
<i>2021/22 Capital Projects</i>															
	R-2 Reservoir Interior Recoating	E	E	E	B	B	A	C	C	C	C			\$605,000	-
	Wash Press System at Headworks			E	E	A	O	C	C	C				\$200,000	-
<i>2021/22 Capital Equipment</i>															
	Aeration Basin No. 1 Diffusers	C	C	C	C	C	C							\$245,000	\$203,630
	Effluent Pump Station Rehabilitation			E	E	B	B	A	C	C	C	C		\$150,000	-
	WRP Main Electrical Power Breaker Upgrades	A	C	C	C	C	C	C	C					\$140,000	\$134,491
<i>Previous Fiscal Year Carryover</i>															
	Oso Lift Station Improvement Project	C	C	C	C									\$2,950,432	\$2,288,236
	Grit Chamber Rehab/Recoating	E	E	E	B	B	A	C	C	C	C			\$85,000	-
	OOPS Emergency Generator Replacement	C	C	C	C	C	C	C	C	C	C	C		\$220,000	\$384,523
	Main Office/Field Office HVAC Replacement & Improvement Project	ET	ET	ET	ET	ET	B	A	C	C	C	C		\$322,500	-
	Master Plan Update			E	E	E	RFP	ET	A	E	E	E	E	\$350,000	-
	Caltrans Widening Utility Relocations				C	C	C	C	C	C	C	C	C	\$0	\$769,777
<i>Pending (Not Yet Budgeted)</i>															
	R-6 Reservoir Floating Cover	E	E	E	E	E	E	E	E	E	E	E	B	\$0	-
	Filter Plant Site Use Plan Investigation and Design	RFP	RFP	ET	A	E	E	E	E	BP	E	E	E	\$0	-
	Phase III Recycled Water Expansion		E	E	E	E	BP	ET						\$0	-
	JTM Pump Station		E	E	BP	ET								\$0	-
Total														\$5,867,932	\$3,780,657

Key:

Water

Wastewater

Split between Water and Wastewater

Board Involvement

Abbreviations:

A = Approve by Board

B = Bid

BP = Board Presentation

C = Construction

E = Engineering/Study

ET = Evaluate

L = Legal

N = Negotiate

O = Order

P = Permit

RFP = Request for Proposal

R = Receive

EL TORO WATER DISTRICT

Glossary of Water Terms

Accumulated overdraft: The amount of water necessary to be replaced in the intake area of the groundwater basin to prevent the landward movement of ocean water into the fresh groundwater body.

Acre-foot, AF: A common water industry unit of measurement. An acre-foot is 325,851 gallons, or the amount of water needed to cover one acre with water one foot deep. An acre-foot serves annual needs of two typical California families.

ACWA: Association of California Water Agencies.
A statewide group based in Sacramento that actively lobbies State and Federal Government on water issues.

Advanced treatment: Additional treatment processes used to clean wastewater even further following primary and secondary treatment. Also known as tertiary treatment.

AFY: Acre-foot per year.

Alluvium: A stratified bed of sand, gravel, silt, and clay deposited by flowing water.

AMP: Allen McCulloch pipeline.

Major pipeline transporting treated water to water districts between Yorba Linda, where it starts to El Toro Water District reservoir, where it terminates.

Annexation: The inclusion of land within a government agency's jurisdiction.

Annual overdraft: The quantity by which the production of water from the groundwater supplies during the water year exceeds the natural replenishment of such groundwater supplies during the same water year.

Aqueduct: A man-made canal or pipeline used to transport water.

Aquifer: An underground geologic formation of rock, soil or sediment that is naturally saturated with water; an aquifer stores groundwater.

Arid: Dry; deserts are arid places. Semi-arid places are almost as dry as a desert.

Artesian: An aquifer in which the water is under sufficient pressure to cause it to rise above the bottom of the overlying confining bed, if the opportunity is provided.

Artificial recharge: The addition of surface water to a groundwater reservoir by human activity, such as putting surface water into recharge basins. (See also: groundwater recharge and recharge basin.)

AWWA American Water Works Association
Nationwide group of public and private water purveyors and related industrial suppliers.

Base flow: The portion of river surface flow which remains after deduction of storm flow and/or purchased imported water.

Bay-Delta: The Sacramento-San Joaquin Bay-Delta is a unique natural resource of local, state and national significance. The Delta is home to more than 500,000 people; contains 500,000 acres of agriculture; provides habitat for 700 native plant and animal species; provides water for more than 25 million Californians and 3 million acres of agriculture; is traversed by energy, communications and transportation facilities vital to the economic health of California; and supports a \$400 billion economy.

BIA: Building Industry Association.

Biofouling: The formation of bacterial film (biofilm) on fragile reverse osmosis membrane surfaces.

Biosolids: Solid organic matter recovered from a sewage treatment process and used especially as fertilizer.

BMP: Best Management Practice. An engineered structure or management activity, or combination of these, that eliminates or reduces adverse environmental effects.

Brackish water: A mixture of freshwater and saltwater.

Brown Act: Ralph M. Brown Act enacted by the State legislature governing all meetings of legislative bodies. Also known as the Open Meeting requirements.

Canal: A ditch used to move water from one location to another.

CASA: California Association of Sanitation Agencies The sanitation equivalent of ACWA concerned solely with issues affecting the treatment and disposal of solid waste and wastewater.

CEQA: California Environmental Quality Act.

CERCLA: Comprehensive Environmental Response, Compensation and Liability Act. This federal law establishes the Superfund program for hazardous waste sites. It provides the legal basis for the United States EPA to regulate and clean up hazardous waste sites, and if appropriate, to seek financial compensation from entities responsible for the site.

CFS: Cubic feet per second.

Chloramines: A mixture of ammonia and chlorine used to purify water.

Clarify: To make clear or pure by separation and elimination of suspended solid material.

Coagulation: The clumping together of solids so they can more easily be settled out or filtered out of water. A chemical called aluminum sulfate (alum) is generally used to aid coagulation in water treatment and reclamation.

Coastkeepers: A non-profit organization dedicated to the protection and preservation of the marine habitats and watersheds of Orange County through programs of education, restoration, enforcement and advocacy.

Colored water: Groundwater extracted from the basin that is unsuitable for domestic use without treatment due to high color and odor exceeding drinking water standards.

Condensation: The process of water vapor (gas) changing into liquid water. An example of condensation can be seen in the tiny water droplets that form on the outside of a glass of iced tea as warmer air touches the cooler glass.

Confined aquifer: An aquifer that is bound above and below by dense layers of rock and contains water under pressure.

Conjunctive use: Storing imported water in a local aquifer, in conjunction with groundwater, for later retrieval and use.

Contaminate: To make unclean or impure by the addition of harmful substances.

CPCFA: California Pollution Control Financing Authority. State agency providing funds for wastewater reclamation projects.

Crisis:

1. **a:** The turning point for better or worse **b:** a paroxysmal attack of pain, distress, or disordered function **c:** an emotionally significant event or radical change of status in a person's life <a midlife crisis>
2. The decisive moment (as in a literary plot)
3. **a:** An unstable or crucial time or state of affairs in which a decisive change is impending; *especially* : one with the distinct possibility of a highly undesirable outcome <a financial crisis> **b:** a situation that has reached a critical phase

CTP Coastal Treatment Plant

CWPCA California Water Pollution Control Association. A 7000 member non-profit educational organization dedicated to water pollution control.

Dam: A barrier built across a river or stream to hold water.

Decompose: To separate into simpler compounds, substances or elements.

Deep percolation: The percolation of surface water through the ground beyond the lower limit of the root zone of plants into a groundwater aquifer.

Degraded water: Water within the groundwater basin that, in one characteristic or another, does not meet primary drinking water standards.

Delta: Where the rivers empty; an outlet from land to ocean, also where the rivers deposit sediment they carry forming landforms.

Delta Vision: Delta Vision is intended to identify a strategy for managing the Sacramento-San Joaquin Delta as a sustainable ecosystem that would continue to support environmental and economic functions that are critical to the people of California.

Demineralize: To reduce the concentrations of minerals from water by ion exchange, distillation, electro-dialysis, or reverse osmosis.

De-nitrification: The physical process of removing nitrate from water through reverse osmosis, microfiltration, or other means.

Desalting (or desalination): Removing salts from salt water by evaporation or distillation. Specific treatment processes, such as reverse osmosis or multi-stage flash distillation, to demineralize seawater or brackish (saline) waters for reuse. Also sometimes used in wastewater treatment to remove salts other pollutants.

Desilting: The physical process of removing suspended particles from water.

Dilute: To lessen the amount of a substance in water by adding more water.

Disinfection: Water treatment which destroys potentially harmful bacteria.

Drainage basin: The area of land from which water drains into a river, for example, the Sacramento River Basin, in which all land area drains into the Sacramento River. Also called catchment area, watershed, or river basin.

Drought: A prolonged period of below-average precipitation.

DPHS: California Department of Public Health Services. Regulates public water systems; oversees water recycling projects; permits water treatment devices; certifies drinking water treatment and distribution operators; supports and promotes water system security; provides support for small water systems and for improving technical, managerial, and financial (TMF) capacity; provides funding opportunities for water system improvements.

DVL: Diamond Valley Lake. Metropolitan's major reservoir near Hemet, in southwestern Riverside County.

DWR: California Department of Water Resources. Guides development/management of California's water resources; owns/operates State Water Project and other water facilities.

Endangered Species: A species of animal or plant threatened with extinction.

Endangered Species Act of 1973 (ESA): The most wide-ranging of the dozens of United States environmental laws passed in the 1970s. As stated in section 2 of the act, it was designed to protect critically imperiled species from extinction as a "consequence of economic growth and development untended by adequate concern and conservation.

Ecosystem: Where living and non-living things interact (coexist) in order to survive.

Effluent: Wastewater or other liquid, partially or completely treated or in its natural state, flowing from a treatment plant.

Evaporation: The process that changes water (liquid) into water vapor (gas).

Estuary: Where fresh water meets salt water.

Evapotranspiration: The quantity of water transpired (given off), retained in plant tissues, and evaporated from plant tissues and surrounding soil surface. Quantitatively, it is expressed in terms of depth of water per unit area during a specified period of time.

FCH Federal Clearing House – Environmental Review/Processing

FEMA Federal Emergency Management Agency

Filtration: The process of allowing water to pass through layers of a porous material such as sand, gravel or charcoal to trap solid particles. Filtration occurs in nature when rain water soaks into the ground and it passes through hundreds of feet of sand and gravel. This same natural process of filtration is duplicated in water and wastewater treatment plants, generally using sand and coal as the filter media.

Flocculation: A chemical process involving addition of a coagulant to assist in the removal of turbidity in water.

Forebay: A reservoir or pond situated at the intake of a pumping plant or power plant to stabilize water level; also, a portion of a groundwater basin where large quantities of surface water can recharge the basin through infiltration.

Gray water reuse: Reuse, generally without treatment, of domestic type wastewater for toilet flushing, garden irrigation and other non-potable uses. Excludes water from toilets, kitchen sinks, dishwashers, or water used for washing diapers.

Green Acres Project (GAP): A 7.5 million gallons per day (MGD) water reclamation project that serves tertiary treated recycled water to irrigation and industrial users in Costa Mesa, Fountain Valley, Huntington Beach, Newport Beach, and Santa Ana.

God Squad: A seven-member committee that is officially called the "Endangered Species Committee". Members consist of Secretary of the Interior, the Secretary of Agriculture, the Secretary of the Army, the Chairman of the Council of Economic Advisers, the Administrator of the National Oceanic and Atmospheric Administration and one individual from the affected state. The squad was established in 1978 by an amendment to the 1973 Endangered Species Act (ESA). It has only been called into action three times to deal with proposed federal agency actions that have been determined to cause "jeopardy" to any listed species. Such actions may receive an exemption from the ESA if five members of the committee determine that the action is of regional or national significance, that the benefits of the action clearly outweigh the benefits of conserving the species and that there are no reasonable and prudent alternatives to the action.

Groundwater: Water that has percolated into natural, underground aquifers; water in the ground, not water puddled on the ground.

Groundwater basin: A groundwater reservoir defined by the overlying land surface and the underlying aquifers that contain water stored in the reservoir. Boundaries of success-ively deeper aquifers may differ and make it difficult to define the limits of the basin.

Groundwater mining: The withdrawal of water from an aquifer in excess of recharge over a period of time. If continued, the underground supply would eventually be exhausted or the water table could drop below economically feasible pumping lifts.

Groundwater overdraft: The condition of a groundwater basin in which the amount of water withdrawn by pumping exceeds the amount of water that recharges the basin over a period of years during which water supply conditions approximate average.

Groundwater recharge: The action of increasing groundwater storage by natural conditions or by human activity. See also: Artificial recharge.

Ground Water Replenishment System (GWRS): A joint project of the Orange County Water District and the Orange County Sanitation District that will provide up to 100,000 acre-feet of reclaimed water annually. The high-quality water will be used to expand an existing underground seawater intrusion barrier and to replenish the groundwater basin underlying north and central Orange County.

Groundwater table: The upper surface of the zone of saturation (all pores of subsoil filled with water), except where the surface is formed by an impermeable body.

GPM: Gallons per minute.

Ground Water Replenishment System (GWRS): Orange County Water District's state-of-the-art, highly advanced, waste-water treatment facility.

Hydrologic balance: An accounting of all water inflow to, water outflow from, and changes in water storage within a hydrologic unit over a specified period.

Hydrologic cycle: The process of water constantly circulating from the ocean, to the atmosphere, to the earth in a form of precipitation, and finally returning to the ocean.

Imported water: Water that has originated from one hydrologic region and is transferred to another hydrologic region.

Inflatable rubber dams: Designed to replace temporary sand levees that wash out during heavy storm flow, the dams hold back high-volume river flows and divert the water into the off-river system for percolation.

Influent: Water or wastewater entering a treatment plant, or a particular stage of the treatment process.

Irrigation: Applying water to crops, lawns or other plants using pumps, pipes, hoses, sprinklers, etc.

JPIA Joint Powers Insurance Authority. A group of water agencies providing self-insurance to members of the ACWA.

LAIF Local Agency Investment Fund. Statewide pool of surplus public agency money managed by State Treasurer.

Leach: To remove components from the soil by the action of water trickling through.

MAF: Million acre feet.

MCL: Maximum contaminant level set by EPA for a regulated substance in drinking water. According to health agencies, the maximum amount of a substance that can be present in water that's safe to drink and which looks, tastes and smells good.

MET: Metropolitan Water District of Southern California.

MGD: Million gallons per day.

Microfiltration: A physical separation process where tiny, hollow filaments members separate particles from water.

Microorganism: An animal or plant of microscopic size.

MWD: Metropolitan Water District of Southern California.

MWDOC: Municipal Water District of Orange County. Intermediate wholesaler between MWD and 27 member agencies including ETWD.

Non-point source pollution: Pollution that is so general or covers such a wide area that no single, localized source of the pollution can be identified.

NPDES National Pollution Discharge Elimination System

OCBC: Orange County Business Council.

OCEMA Orange County Environmental Management Agency

OCWD: Orange County Water District.

Opportunity:

1. A favorable juncture of circumstances.
2. A good chance for advancement or progress .

Organism: Any individual form of life, such as a plant, animal or bacterium.

PCM Professional Community Management, Inc. Property Management company providing services to Laguna Woods Village and other homeowner associations.

Perched groundwater: Groundwater supported by a zone of material of low permeability located above an underlying main body of groundwater with which it is not hydrostatically connected.

Percolation: The downward movement of water through the soil or alluvium to the groundwater table.

Permeability: The capability of soil or other geologic formations to transmit water.

Point source: A specific site from which waste or polluted water is discharged into a water body, the source of which is identified. See also: non-point source.

Potable water: Suitable and safe for drinking.

PPB: Parts per billion.

Precipitation: Water from the atmosphere that falls to the ground as a liquid (rain) or a solid (snow, sleet, hail).

Primary treated water: First major treatment in a wastewater treatment facility, usually sedimentation but not biological oxidation.

Primary treatment: Removing solids and floating matter from wastewater using screening, skimming and sedimentation (settling by gravity).

Prior appropriation doctrine: Allocates water rights to the first party who diverts water from its natural source and applies the water to beneficial use. If at some point the first appropriator fails to use the water beneficially, another person may appropriate the water and gain rights to the water. The central principle is beneficial use, not land ownership.

Pumping Plant: A facility that lifts water up and over hills.

Recharge: The physical process where water naturally percolates or sinks into a groundwater basin.

Recharge basin: A surface facility, often a large pond, used to increase the infiltration of surface water into a groundwater basin.

Reclaimed wastewater: Wastewater that becomes suitable for a specific beneficial use as a result of treatment. See also: wastewater reclamation.

Reclamation project: A project where water is obtained from a sanitary district or system and which undergoes additional treatment for a variety of uses, including landscape irrigation, industrial uses, and groundwater recharge.

Recycling: A type of reuse, usually involving running a supply of water through a closed system again and again. Legislation in 1991 legally equates the term "recycled water" to reclaimed water.

Reservoir: A place where water is stored until it is needed. A reservoir can be an open lake or an enclosed storage tank.

Reverse osmosis: (RO) A method of removing salts or other ions from water by forcing water through a semi-permeable membrane.

RFP Request for Proposal

Riparian: Of or on the banks of a stream, river, or other body of water.

RO: Reverse osmosis. See the listing under "reverse osmosis."

R-O-W Right-of-way

Runoff: Liquid water that travels over the surface of the Earth, moving downward due to gravity. Runoff is one way in which water that falls as precipitation returns to the ocean.

RWQCB Regional Water Quality Control Board. State agency regulating discharge and use of recycled water.

Safe Drinking Water Act (SDWA): The Safe Drinking Water Act (SDWA) was originally passed by Congress in 1974 to protect public health by regulating the nation's public drinking water supply. The law was amended in 1986 and 1996 and requires many actions to protect drinking water and its sources: rivers, lakes, reservoirs, springs, and ground water wells. (SDWA does not regulate private wells which serve fewer than 25 individuals.) SDWA authorizes the United States Environmental Protection Agency (US EPA) to set national health-based standards for drinking water to protect against both naturally-occurring and man-made contaminants that may be found in drinking water. US EPA, states, and water systems work together to make sure that these standards are met.

Safe yield: The maximum quantity of water that can be withdrawn from a groundwater basin over a long period of time without developing a condition of overdraft, sometimes referred to as sustained yield.

SAFRA Santa Ana River Flood Protection Agency

Salinity: Generally, the concentration of mineral salts dissolved in water. Salinity may be measured by weight (total dissolved solids - TDS), electrical conductivity, or osmotic pressure. Where seawater is known to be the major source of salt, salinity is often used to refer to the concentration of chlorides in the water.

SAWPA: Santa Ana Watershed Project Authority.

SCADA Supervisory Control and Data Acquisition

SCAP Southern California Alliance of Publicly. Newly formed group of public agencies seeking reasonable regulation of sewer industry.

SCH State Clearing House – Environmental Review/Processing

Seasonal storage: A three-part program offered by Metropolitan Water District of Southern California:

STSS (Short Term Seasonal Storage) financially encourages agencies with local groundwater production capabilities to produce a higher percentage of their demand in the summer from their local groundwater supplies, thus shifting a portion of their demand on the MWD system from the summer to winter;

LTSS (Long Term Seasonal Storage) financially encourages retail agencies to take and store additional amounts of MWD water above their normal annual demands for later use; Replenishment Water provides less expensive interruptible water that is generally available and used to increase the operating yield of groundwater basins.

Seawater intrusion: The movement of salt water into a body of fresh water. It can occur in either surface water or groundwater basins.

Seawater barrier: A physical facility or method of operation designed to prevent the intrusion of salt water into a body of freshwater.

Secondary treatment: The biological portion of wastewater treatment which uses the activated sludge process to further clean wastewater after primary treatment. Generally, a level of treatment that produces 85 percent removal efficiencies for biological oxygen demand and suspended solids. Usually carried out through the use of trickling filters or by the activated sludge process.

Sedimentation: The settling of solids in a body of water using gravity.

Settle: To clarify water by causing impurities/solid material to sink to a container's bottom.

Sewer: The system of pipes that carries wastewater from homes and businesses to a treatment plant or reclamation plant. Sewers are separate from storm drains, which is a system of drains and pipes that carry rain water from urban streets back to the ocean. Overwatering your yard can also cause water to run into the streets and into storm drains. Storm drain water is not treated before it is discharged.

SigAlert: Any unplanned event that causes the closing of one lane of traffic for 30 minutes or more, as opposed to a planned event, like road construction, which is planned.

SJBA San Juan Basin Authority

Sludge: The solids that remain after wastewater treatment. This material is separated from the cleaned water, treated and composted into fertilizer. Also called biosolids.

SOCWA South Orange County Wastewater Authority. Regional Joint Powers Authority formed for collection and treatment of sewerage (previously known as AWMA/SERRA/SOCRA). SOCWA member agencies:

CSC – City of San Clemente

CSJC – City of San Juan Capistrano

CLB – City of Laguna Beach

ETWD – El Toro Water District

EBSD – Emerald Bay Service District

IRWD – Irvine Ranch Water District

MNWD – Moulton Niguel Water District

SCWD – South Coast Water District

SMWD – Santa Margarita Water District

TCWD – Trabuco Canyon Water District

SRF State Revolving Fund

Storm Drain: The system of pipes that carries rain water from urban streets back to the ocean. Overwatering your yard can also cause water to run into the streets and into storm drains. Storm drain

water is not treated before it is discharged. Storm drains are separate from sewers, which is a separate system of pipes to carry wastewater from homes and businesses to a treatment plant or reclamation plant for cleaning.

Storm flow: Surface flow originating from precipitation and run-off which has not percolated to an underground basin.

SWP: State Water Project. An aqueduct system that delivers water from northern California to central and southern California.

SWRCB State Water Resources Control Board

TDS: Total dissolved solids. A quantitative measure of the residual minerals dissolved in water that remain after evaporation of a solution. Usually expressed in milligrams per liter.

Tertiary treatment: The treatment of wastewater beyond the secondary or biological stage. Normally implies the removal of nutrients, such as phosphorous and nitrogen, and a high percentage of suspended solids.

THM: Trihalomethanes. Any of several synthetic organic compounds formed when chlorine or bromine combine with organic materials in water.

TMA: Too many acronyms.

TMDL: Total maximum daily load; A quantitative assessment of water quality problems, contributing sources, and load reductions or control actions needed to restore and protect bodies of water.

Transpiration: The process in which plant tissues give off water vapor to the atmosphere as an essential physiological process.

Turbidity: Thick or opaque with matter in suspension; muddy water.

Ultraviolet light disinfection: A disinfection method for water that has received either secondary or tertiary treatment used as an alternative to chlorination.

VE Value Engineering

VOC: Volatile organic compound; a chemical compound that evaporates readily at room temperature and contains carbon.

Wastewater: Water that has been previously used by a municipality, industry or agriculture and has suffered a loss of quality as a result.

Water Cycle: The continuous process of surface water (puddles, lakes, oceans) evaporating from the sun's heat to become water vapor (gas) in the atmosphere. Water condenses into clouds and then falls back to earth as rain or snow (precipitation). Some precipitation soaks into the ground (percolation) to replenish groundwater supplies in underground aquifers.

Water rights: A legally protected right to take possession of water occurring in a natural waterway and to divert that water for beneficial use.

Water-use Efficiency: The water requirements of a particular device, fixture, appliance, process, piece of equipment, or activity.

Water year (USGS): The period between October 1st of one calendar year to September 30th of the following calendar year.

Watermaster: A court appointed person(s) that has specific responsibilities to carry out court decisions pertaining to a river system or watershed.

Water Reclamation: The treatment of wastewater to make it suitable for a beneficial reuse, such as landscape irrigation. Also called water recycling.

Watershed: The total land area that from which water drains or flows to a river, stream, lake or other body of water.

Water table: The top level of water stored underground.

WEF Water Environment Federation. Formerly – Water Pollution Control Federation (WPCF). International trade group advising members of sewage treatment techniques and their effect on the environment.

Weir box: A device to measure/control surface water flows in streams or between ponds.

Wellhead treatment: Water quality treatment of water being produced at the well site.

Wetland: Any area in which the water table stands near, at, or above the land surface for a portion of the year. Wetlands are characterized by plants adapted to wet soil conditions.

Xeriscape: Landscaping that requires minimal water.