

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

August 22, 2022

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, may 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/85856112222> (Meeting ID: 858 5611 2222).

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 Freshley

PLEDGE OF ALLEGIANCE – Vice President Havens

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 Monin

1. Consent Calendar (Reference Material Included)

(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 July 25, 2022 Finance and Insurance Committee meeting (Minutes included)

Recommended Action: The Board will be requested to approve the above Consent Calendar.

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

A HighMark representative will review and comment on the investment performance of the District's 401(k) Retirement Savings Plan.

FINANCIAL INFORMATION ITEMS

3. Update on the Implementation of the Springbrook Software System (Reference Material Included)

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

FINANCIAL ACTION ITEMS

4. Authorization to Approve Bills for Consideration dated August 22, 2022 (Reference Material Included)

The Board will consider approving Bills for Consideration dated August 22, 2022.

Recommended Action: Staff recommends that the Board approve, ratify and confirm payment of those bills as set forth in the schedule of bills for consideration dated August 22, 2022.

COMMENTS REGARDING NON-AGENDA FIC ITEMS

CLOSE FINANCE AND INSURANCE COMMITTEE MEETING

ENGINEERING COMMITTEE

CALL MEETING TO ORDER – Director Vergara

5. 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 July 25, 2022 Engineering Committee meeting. (Minutes Included)

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

ENGINEERING ACTION ITEMS

6. Main Office HVAC Replacement Project (Reference Material Included)

Staff will review and comment on the bids submitted for the construction of the Main Office HVAC Replacement Project.

Recommended Action: Staff recommends that the Board of Directors authorize the General Manager to 1) enter into a contract with Empire Design & Build LLC in the amount of \$230,000 for the construction of the Main Office HVAC Improvement Project; 2) enter into a contract with RPM Engineers Inc. in the amount of \$4,000 and 3) enter into a contract with Scott Wallace Structural Engineers in the amount of \$2,500 both for Engineering Services during Construction. Staff further recommends that the Board authorize the General Manager to fund the project costs from District's Bond Covenant Reserves in accordance with the District's adopted Cash Reserve Policy.

7. Board Room Audio Visual Technology Improvements (Reference Material Included)

Staff will review and comment on the proposals submitted for the installation of audio visual technology improvements in the District Board Room.

Recommended Action: Staff recommends that the Board of Directors authorize the General Manager to issue a purchase order to Western Audio Visual in the amount of \$89,763.22 for the purchase and installation of audio visual technology improvements in the District Board Room. Staff further recommends that the Board authorize the General Manager to fund the project costs from District's Bond Covenant Reserves in accordance with the District's adopted Cash Reserve Policy.

GENERAL INFORMATION ITEMS

8. **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.

9. **Engineering Items Discussed at Various Conferences and Meetings**

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. At this time the Board will go into Closed Session pursuant to Government Code Section 54956.8 to consult with it's negotiator (General Manager) with respect to the terms and conditions pertaining to the potential acquisition of capacity interest in wastewater transmission pipes and facilities (appurtenant to real property) from the Irvine Ranch Water District, which property is located within the Service Area of the South Orange County Wastewater Authority.
2. Pursuant to Government Code Section 54956.9 (d) (2) to consult with legal counsel and staff – Anticipated Litigation (one matter).

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

July 25, 2022

At approximately 7:30 a.m. President Freshley called the regular meeting to order.

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

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

Also participating were DENNIS P. CAFFERTY, General Manager, JASON HAYDEN, CFO, JUDY CIMORELL, Human Resources Manager, GILBERT J. GRANITO, General Counsel, HANNAH FORD, Engineering Manager, SHERRI SEITZ, Public Relations/Emergency Preparedness Administrator, RICHARD BABBE, CAMP Representative, and POLLY WELSCH, Recording Secretary.

SCOTT HOPKINS, Operations Superintendent, was absent.

Oral Communications/Public Comments

There were no comments.

Items Received Too Late to be Agendized

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

Finance & Insurance Committee Meeting

At approximately 7:32 a.m. Director Monin called the Finance meeting to order.

Consent Calendar

Director Monin asked for a Motion.

Motion: President Freshley made a motion, seconded by Vice President Havens and unanimously carried across the Board to approve the Consent Calendar.

Roll Call Vote:

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

CAMP

Mr. Babbe gave a presentation on the status of the District's investment holdings and philosophy based on the economic outlook.

Mr. Babbe stated that the Federal Reserve is tightening monetary policy with more aggressive rate hikes to battle persistent inflation, with the short-term fed funds rate projected to reach 3.25% - 3.75% by year-end, and the start of balance sheet reduction pace to double beginning in September. He further stated that asset prices have fallen as a result of higher interest rates and this has negatively impacted bond prices and equity valuations and caused wider credit spreads. The higher interest rates have become necessary due to high commodity prices, rising labor costs, and the conflict in Ukraine all causing inflation to spike and leading to high levels of volatility and uncertainty in various markets.

Mr. Babbe stated that Treasury Yields have moved higher across the curve and future expectations have changed over the quarter, and while short-term rates have increased, they are expected to further increase and reach 3.5% by the end of the year. He further stated that sector yield spreads widened in the second quarter and rising rates and wider spreads hurt fixed-income returns in the quarter and could affect how long a recession lasts.

Director Monin asked if CAMP representatives look at credit default swaps as an indicator for a potential credit event. Mr. Babbe replied that their representatives do monitor credit default swaps.

Director Monin asked what type of rate is CAMP able to achieve with commercial paper investments. Mr. Babbe replied that they are seeing rates over 3%.

Mr. Hayden stated that staff recommends that the Board consider moving to a cash flow approach to the investment portfolio from this point forward, and as funds become available from distributions or maturing investments, PFM would identify investments that would provide the best return over time based on current market conditions. He further stated that this could include securities with maturities of up to five years, and PFM would ensure at least 50% of the portfolio remaining invested in securities with a duration under three years to provide ongoing flexibility if the liquidity needs change. Mr. Cafferty stated that he and Mr. Hayden met with Mr. Babbe to discuss the investment portfolio. Mr. Cafferty further stated that the recommendation to pursue the cash flow approach outlined by Mr. Hayden represents the consensus opinion of staff and Mr. Babbe.

Mr. Babbe stated that future sales of securities prior to maturity in pursuit of attractive investment opportunities would be made in consultation with Mr. Hayden.

Mr. Cafferty stated that staff, based on the consensus of the discussion, will proceed with investments on a cash flow basis, reinvesting funds at longer durations as securities mature or selling existing securities when investment opportunities warrant while ensuring to manage and maintain liquidity as necessary.

Vice President Havens complimented Mr. Babbe on the new structure of the CAMP report as it is much easier to understand.

At approximately 8:10 a.m. Mr. Babbe left the meeting.

Financial Information Items

Tiered Water Usage and Revenue Tracking

There were no comments.

Update on the Implementation of the Springbrook Software System

Mr. Hayden stated that staff is using Springbrook to account for activities in the 2022/23 fiscal year with the Budget entered into Springbrook and Payroll and Accounts Payable occurring in the software. He further stated that staff worked extensively with the Springbrook consultant to complete the Payroll process and were able to transmit electronic files to the bank and retirement accounts.

Mr. Hayden stated that the setup and implementation for the Utility Billing module will begin the first week in August.

2022/23 Fiscal Year Budget Preparation and Tentative Schedule Status Report

There were no comments.

Financial Action Items

Quarterly Insurance Report

Ms. Cimorell stated that the report in the package is the final report for the fiscal year. She further stated that due to staff shortage, she estimated the Workers Compensation section of the report.

President Freshley asked if a generator was taken as indicated. Mr. Cafferty replied generator cables were stolen, not the generator itself.

Director Monin asked for a Motion.

Motion: Vice President Havens made a motion, seconded by President Freshley and unanimously carried across the Board to Receive and File the Quarterly Insurance

Report for the period of April 1, 2022 through June 30, 2022.

Roll Call Vote:

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

Financial Package – Authorization to Approve Bills for Consideration dated July 25, 2022 and Receive and File Financial Statements as of June 30, 2022

Mr. Hayden stated that current fiscal year we are expected to be in a positive position with OPEB and may receive a credit rather than a charge for the 2021-2022 fiscal year..

President Freshley stated that Accounts Receivables improved dramatically from last month.

Director Monin asked for a Motion.

Motion: Director Gaskins made a Motion, seconded by Vice President Havens 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 July 25, 2022, and receive and file the financial statements for the period ending June 30, 2022.

Roll Call Vote:

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

Annual Review of the District's Cash Reserve Policy Statement 1994-12 (IV)

Mr. Cafferty provided an overview of the revised Cash Reserve Policy Statement and noted that the new categories of Reserves reflect the categories of fund balances

established in GASB Statement 54. The intent with this change is to change the terminology used for the District's reserves to reflect the terminology used for governmental accounting so the District presents its reserves in categories that will be familiar to analysts, accountants, and auditors familiar with governmental accounting. Mr. Cafferty also noted that the policy has been drastically changed with the various reserve categories begin allocated to either Restricted, Committed, or Assigned Reserves. Some of the changes include moving the Tiered Conservation Reserve balance to Restricted Reserves, the Baker Funding Reserve from Legally Restricted Reserves to Assigned Reserves, and the Working Capital reserve from Board Mandated Minimum Reserve Levels to Assigned Reserves.

Mr. Cafferty stated that Resolution No. 22-7-1 amends the District's current Cash Policy Statement 1994-12 in its entirety. He further stated that the Assigned Reserves are established according to projects, bonds, and working capital.

Mr. Cafferty stated that the total minimum Reserve Balance at the end of each fiscal year should equal the minimum balances from the Committed Reserves combined with the minimum balance from the Working Capital Reserve. The total minimum balance is intended to equal 25% to 40% of projected expenses for the forthcoming budget year.

Mr. Cafferty stated that the existing policy states that we need to have six months of operational expense, but this is not a requirement, and we should be governing our Reserves by our policy.

Director Monin asked for a Motion.

Motion: President Freshley made a Motion, seconded by Director Gaskins and unanimously carried across the Board to approve Resolution No. 22-7-1 which amends the District's Cash Reserve Policy Statement 1994-12 (IV).

Roll Call Vote:

Director Vergara	aye
Director Monin	aye
Director Gaskins	aye
Vice President Havens	aye
President Freshley	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 9:00 a.m.

Respectfully submitted,

POLLY WELSCH
Recording Secretary

APPROVED:

KATHRYN FRESHLEY, 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

**El Toro Water District 401(k) Plan
Second Quarter 2022**

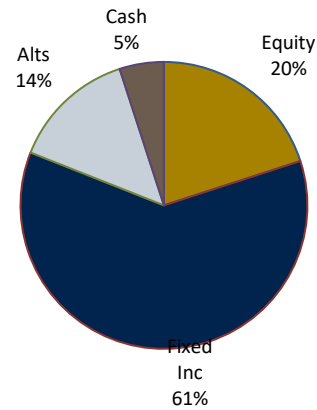


Keith Stribling, CFA
Vice President and Senior Portfolio Manager
HighMark Capital Management
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INVESTMENT POOLS - ASSET ALLOCATION

El Toro Water District - 401(k) Plan

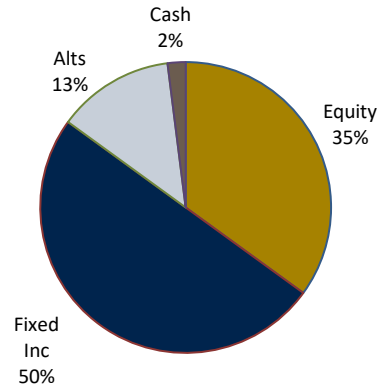
Capital Preservation



65+ years old

Equity: 10% - 30%
Fixed Income: 40% - 80%
Alternatives: 10% - 20%
Cash: 0% - 20%

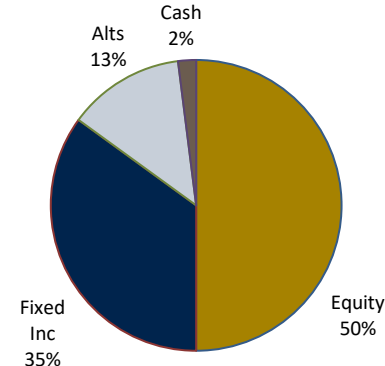
Income



60-64 years old

Equity: 25% - 45%
Fixed Income: 30% - 70%
Alternatives: 10% - 20%
Cash: 0% - 20%

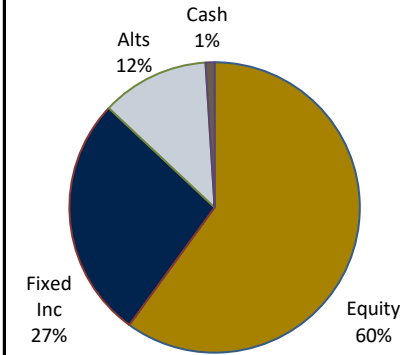
Income & Growth



55-59 years old

Equity: 40% - 60%
Fixed Income: 20% - 60%
Alternatives: 10% - 20%
Cash: 0% - 20%

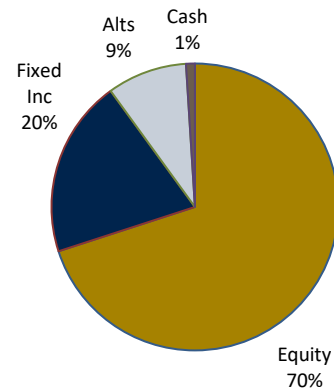
Balanced Income



50-54 years old

Equity: 50% - 70%
Fixed Income: 15% - 35%
Alternatives: 10% - 20%
Cash: 0% - 20%

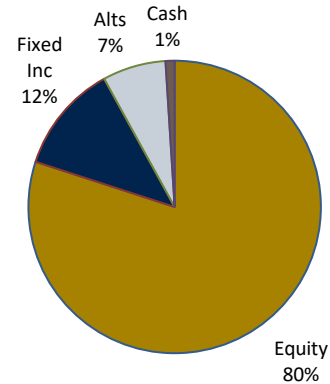
Balanced



45-49 years old

Equity: 60% - 80%
Fixed Income: 10% - 30%
Alternatives: 5% - 15%
Cash: 0% - 20%

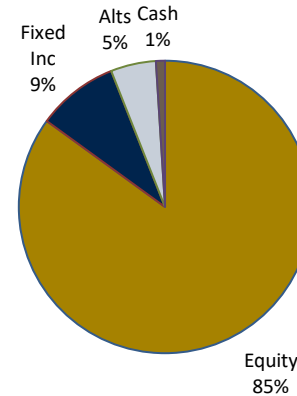
Capital Appreciation



40-44 years old

Equity: 70% - 90%
Fixed Income: 5% - 20%
Alternatives: 5% - 15%
Cash: 0% - 20%

Growth



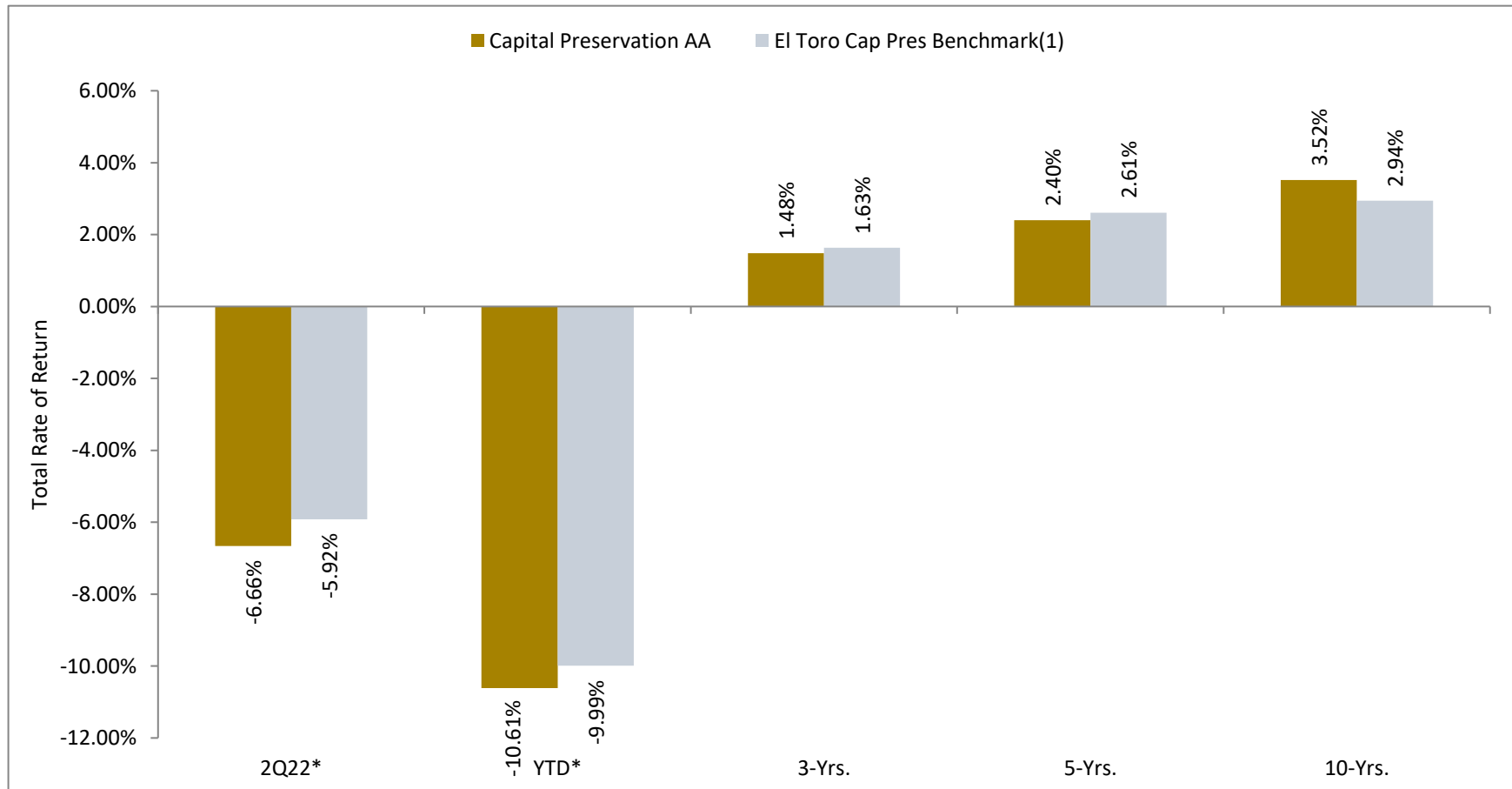
< 40 years old

Equity: 75% - 95%
Fixed Income: 5% - 15%
Alternatives: 2% - 10%
Cash: 0% - 20%

INVESTMENT RETURNS - CAPITAL PRESERVATION PORTFOLIO

El Toro Water District - 401(k) Plan

Annualized Total Rate of Return
as of June 30, 2022



*Returns for periods under one year are not annualized

**Inception date: January 2006

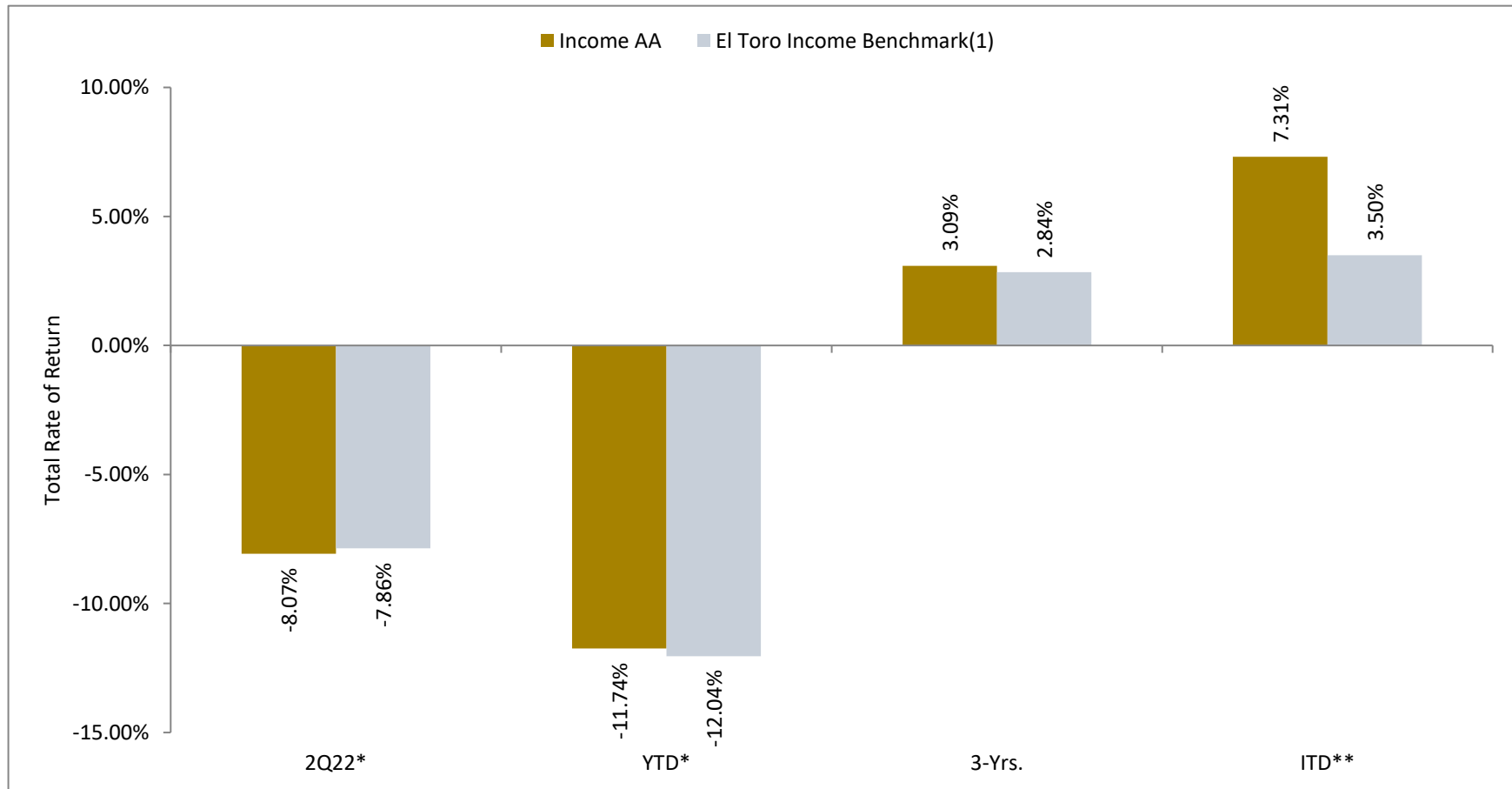
(1) El Toro Cap Pres Benchmark: 12% S&P 500, 2% Russell MidCap, 2% Russell 2000, 3% MSCI EAFE, 1% MSCI Emerging Markets, 44% Barclays US Aggregate Bond, 17% Barclays 1-3 Year Government/Credit Bond, 14% Wilshire Liquid Alternatives, 5% ICE BofAML 3 Mo US T-Bill

Note: Alternatives benchmark was changed from HFRI FOF Index to Wilshire Liquid Alternatives Index as of 5/31/18

INVESTMENT RETURNS - INCOME PORTFOLIO

El Toro Water District - 401(k) Plan

Annualized Total Rate of Return
as of June 30, 2022



*Returns for periods under one year are not annualized

**Inception date: August 2018

(1) El Toro Income Benchmark: 21% S&P 500, 3% Russell MidCap, 3% Russell 2000, 6% MSCI EAFE, 2% MSCI Emerging Market, 36% Barclays US Aggregate Bond, 14% Barclays 1-3 Year Government/Credit Bond, 13% Wilshire Liquid Alternatives, 2% ICE BofAML 3 Mo US T-Bill

Note: Alternatives benchmark was changed from HFRI FOF Index to Wilshire Liquid Alternatives Index as of 5/31/18

INVESTMENT RETURNS - INCOME & GROWTH PORTFOLIO

El Toro Water District - 401(k) Plan

Annualized Total Rate of Return
as of June 30, 2022



*Returns for periods under one year are not annualized

**Inception date: January 2006

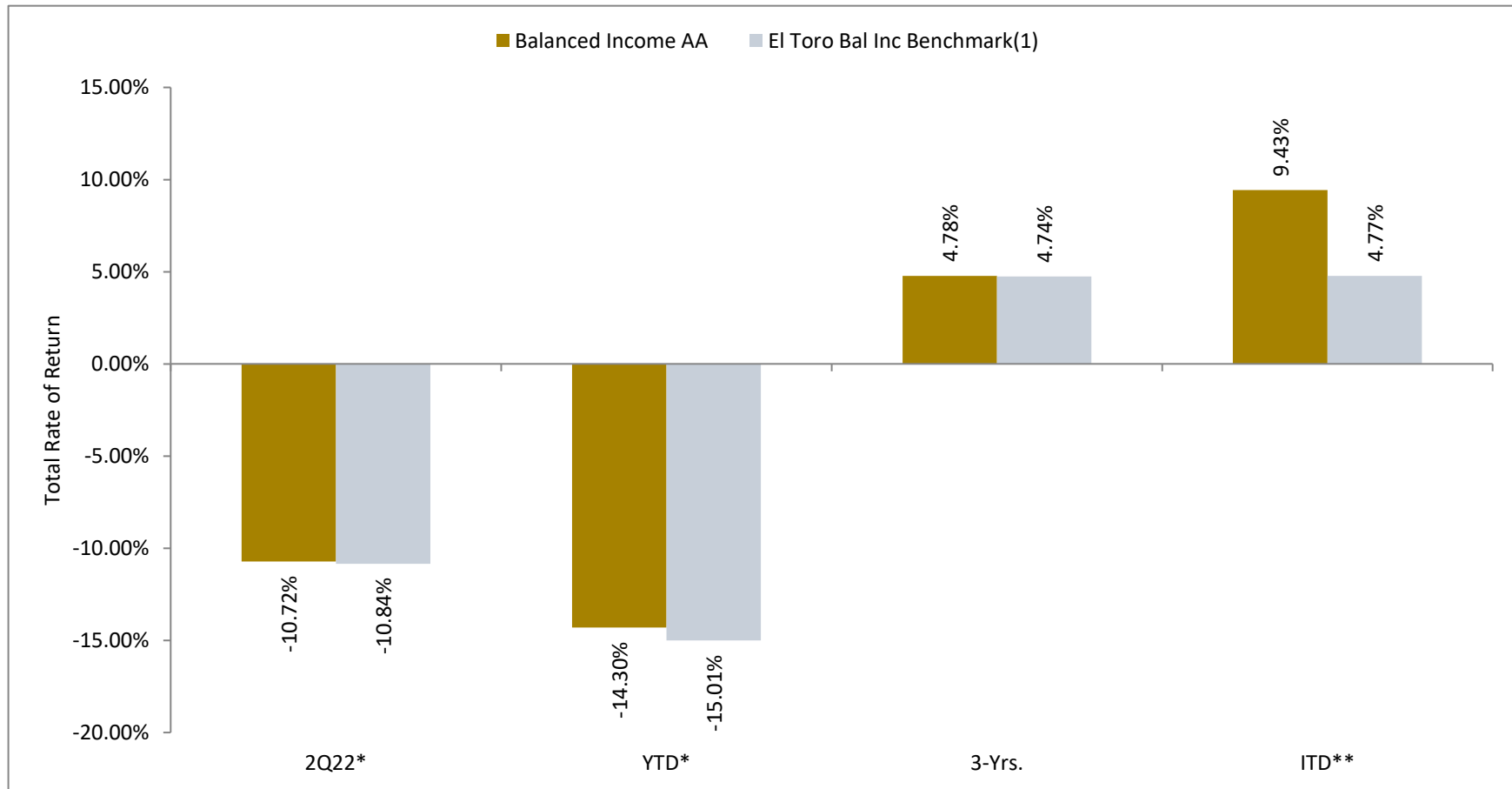
(1) El Toro Inc & Gro Benchmark: 30% S&P 500, 4% Russell MidCap, 4% Russell 2000, 9% MSCI EAFE, 3% MSCI Emerging Market, 25% Barclays US Aggregate Bond, 10% Barclays 1-3 Year Government/Credit Bond, 13% Wilshire Liquid Alternatives, 2% ICE BofAML 3 Mo US T-Bill

Note: Alternatives benchmark was changed from HFRI FOF Index to Wilshire Liquid Alternatives Index as of 5/31/18

INVESTMENT RETURNS - BALANCED INCOME PORTFOLIO

El Toro Water District - 401(k) Plan

Annualized Total Rate of Return
as of June 30, 2022



*Returns for periods under one year are not annualized

**Inception date: August 2018

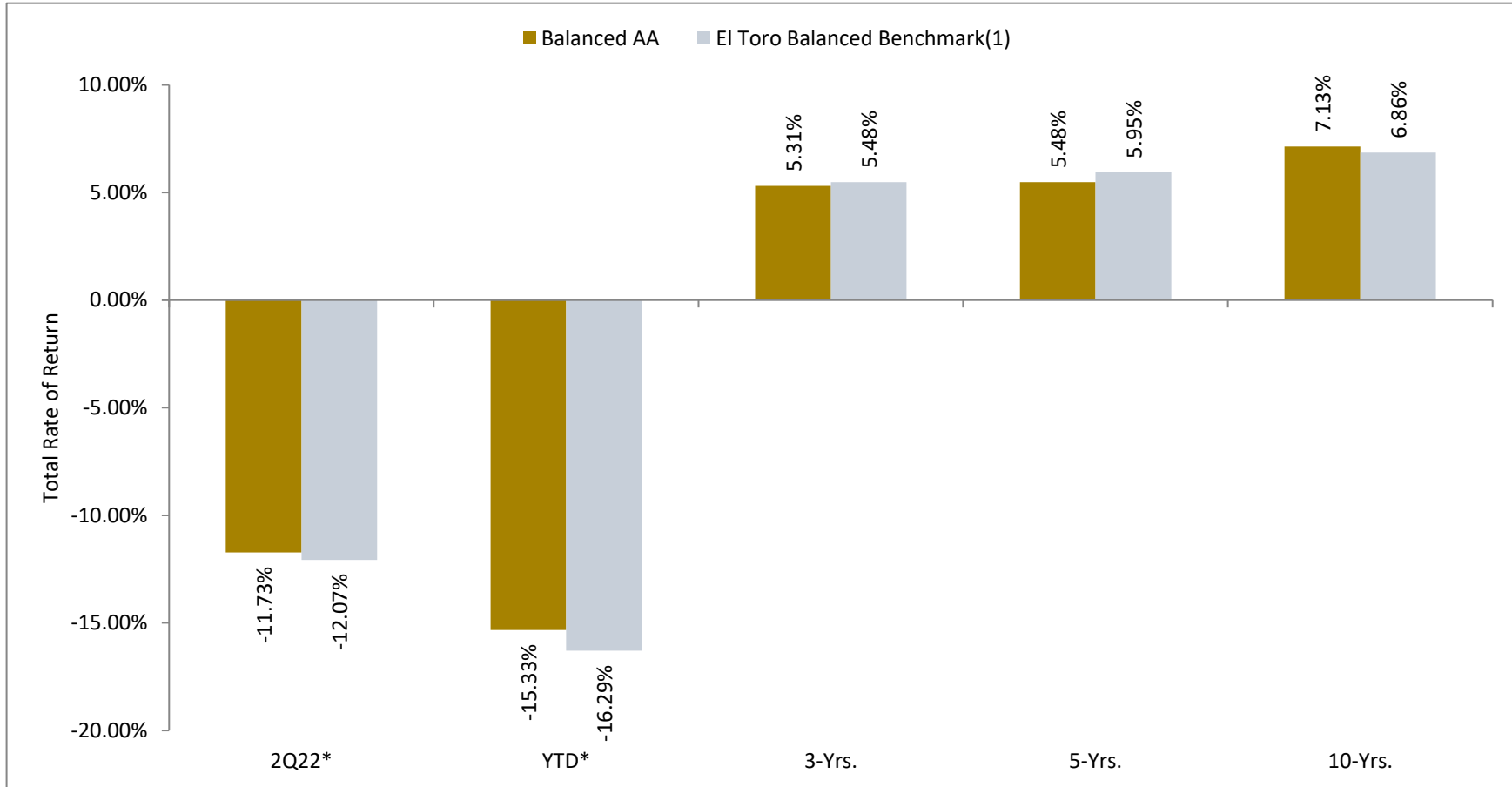
(1) El Toro Bal Inc Benchmark: 36% S&P 500, 4% Russell MidCap, 4% Russell 2000, 12% MSCI EAFE, 4% MSCI Emerging Market, 19% Barclays US Aggregate Bond, 8% Barclays 1-3 Year Government/Credit Bond, 12% Wilshire Liquid Alternatives, 1% ICE BofAML 3 Mo US T-Bill

Note: Alternatives benchmark was changed from HFRI FOF Index to Wilshire Liquid Alternatives Index as of 5/31/18

INVESTMENT RETURNS - BALANCED PORTFOLIO

El Toro Water District - 401(k) Plan

Annualized Total Rate of Return
as of June 30, 2022



*Returns for periods under one year are not annualized

**Inception date: January 2006

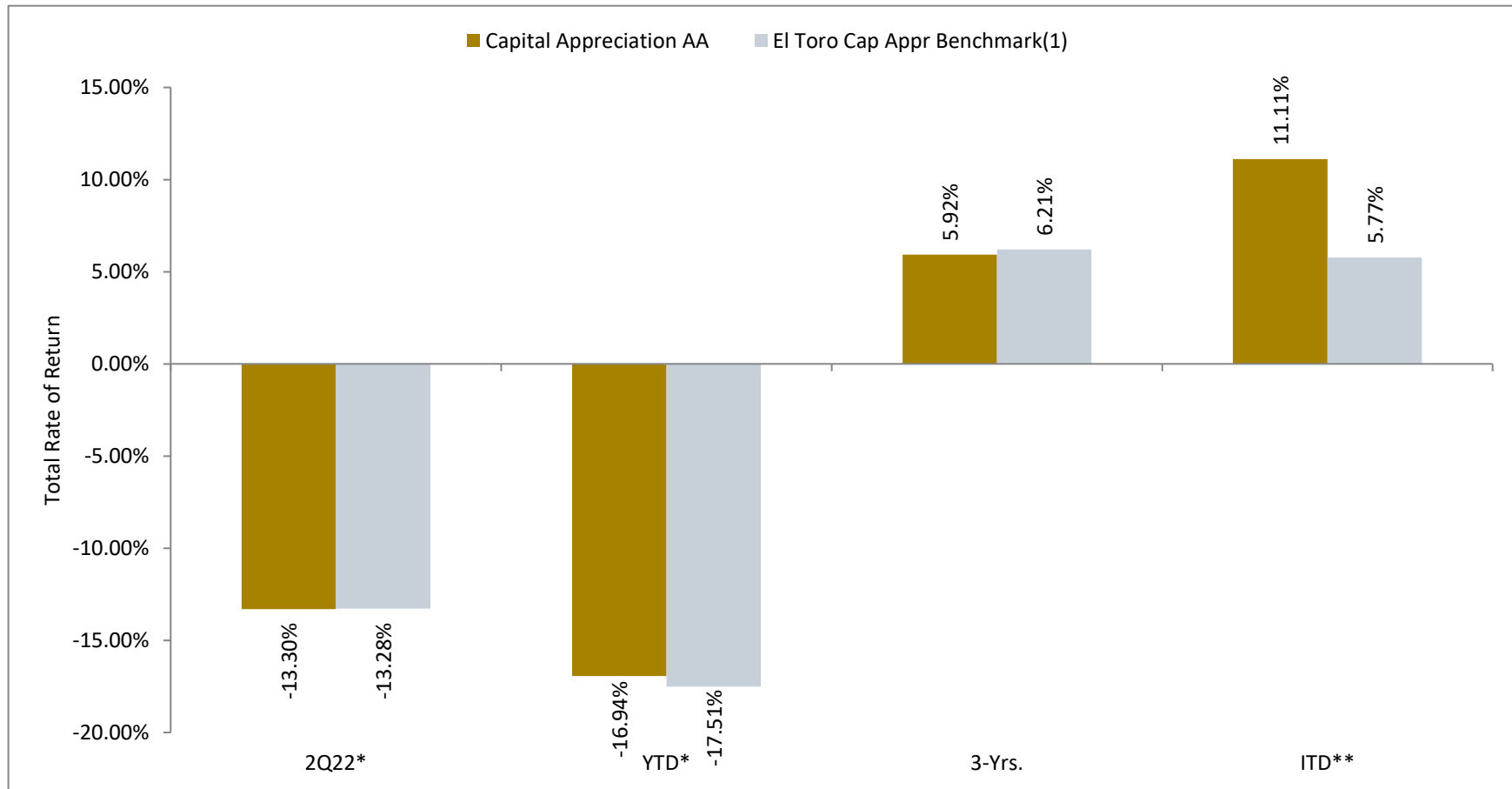
(1) El Toro Balanced Benchmark: 42% S&P 500, 5% Russell MidCap, 5% Russell 2000, 14% MSCI EAFE, 4% MSCI Emerging Market, 14% Barclays US Aggregate Bond, 6% Barclays 1-3 Year Government/Credit Bond, 9% Wilshire Liquid Alternatives, 1% ICE BofAML 3 Mo US T-Bill

Note: Alternatives benchmark was changed from HFRI FOF Index to Wilshire Liquid Alternatives Index as of 5/31/18

INVESTMENT RETURNS - CAPITAL APPRECIATION PORTFOLIO

El Toro Water District - 401(k) Plan

Annualized Total Rate of Return
as of June 30, 2022



*Returns for periods under one year are not annualized

**Inception date: August 2018

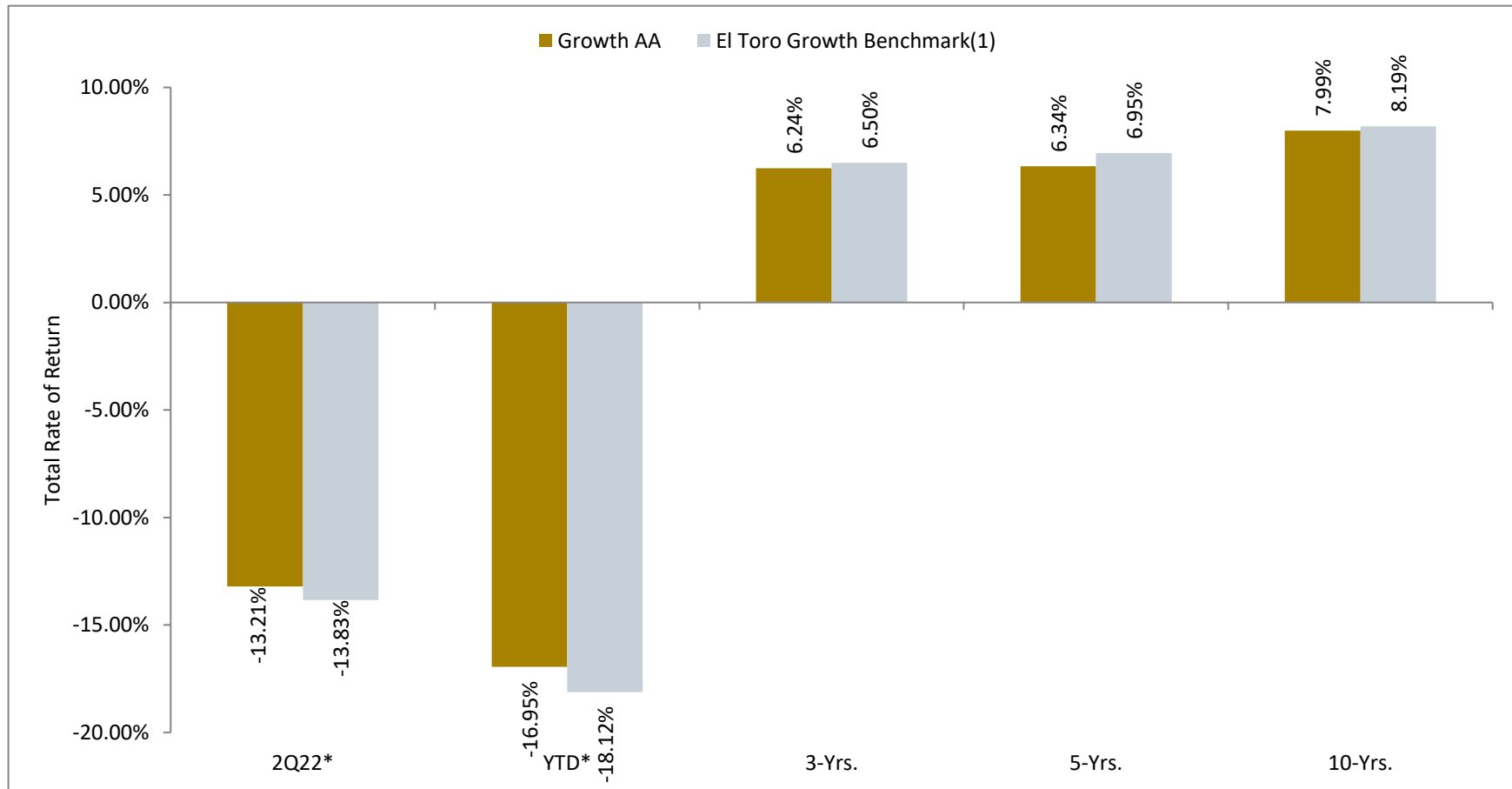
(1) El Toro Cap Appr Benchmark: 48% S&P 500, 6% Russell MidCap, 6% Russell 2000, 16% MSCI EAFE, 4% MSCI Emerging Market, 8% Barclays US Aggregate Bond, 4% Barclays 1-3 year Government/Credit, 7% Wilshire Liquid Alternatives, 1% ICE BofAML 3 Mo US T-Bill

Note: Alternatives benchmark was changed from HFRI FOF Index to Wilshire Liquid Alternatives Index as of 5/31/18

INVESTMENT RETURNS - GROWTH PORTFOLIO

El Toro Water District - 401(k) Plan

Annualized Total Rate of Return
as of June 30, 2022



*Returns for periods under one year are not annualized

**Inception date: January 2006

(1) El Toro Growth Benchmark: 51% S&P 500, 6% Russell MidCap, 6% Russell 2000, 17% MSCI EAFE, 5% MSCI Emerging Market, 6% Barclays US Aggregate Bond, 3% Barclays 1-3 year Government/Credit, 5% Wilshire Liquid Alternatives, 1% ICE BofAML 3 Mo US T-Bill

Note: Alternatives benchmark was changed from HFRI FOF Index to Wilshire Liquid Alternatives Index as of 5/31/18

INVESTMENT RETURNS & RANKINGS - FIXED INCOME FUNDS

El Toro Water District - 401(k) Plan

		Annualized Total Rate of Return (%) as of 06/30/2022																	
Ticker	Name	Exp Ratio	MStar Rtg*	3-Mos**		YTD**		1-Year			3-Years		5-Years		10-Years		3 Yr Shrp%	3 Yr SD	
				Tot ROR	Mstar Rnkg	Tot ROR	Mstar Rnkg	Tot ROR	Mstar Rnkg	Lipper Rnkg	Tot ROR	Mstar Rnkg	Tot ROR	Mstar Rnkg	Tot ROR	Mstar Rnkg			
Ultra Short-Term Bond																			
VUSFX	Vanguard Ultra-Short-Term Bond Admiral	0.10	4	-0.14	30	-1.14	50	-1.28	50	15	0.81	19	1.45	16	n.a.	n.a.	1.22	0.94	
Peer Group	US Fund Short-Term Bond			0.13		n.a.		n.a.			n.a.		n.a.		n.a.		0.69	2.52	
Index	Bloomberg US Govt/Credit 1-3 Yr TR USD			-0.63		-3.11		-3.56			0.31		1.07		1.01		1.78	0.96	
Short-Term Bond																			
VFSUX	Vanguard Short-Term Investment-Grade Adm	0.10	4	-1.86	54	-5.58	74	-6.10	73	66	0.22	44	1.25	33	1.70	17	0.95	2.74	
Peer Group	US Fund Short-Term Bond			0.13		n.a.		n.a.			n.a.		n.a.		n.a.		0.69	2.52	
Index	Bloomberg US Govt/Credit 1-3 Yr TR USD			-0.63		-3.11		-3.56			0.31		1.07		1.01		1.78	0.96	
Intermediate-Term Bond																			
DBLFX	DoubleLine Core Fixed Income I	0.48	3	-5.50	39	-10.11	21	-10.18	22	24	-1.24	73	0.74	63	2.08	35	0.56	4.81	
DODIX	Dodge & Cox Income	0.42	4	-4.70	16	-9.65	15	-9.95	18	31	0.29	10	1.72	11	2.58	13	1.08	3.86	
PTTRX	PIMCO Total Return Instl	0.46	3	-5.46	36	-11.31	51	-11.11	46	45	-0.77	47	0.99	44	1.87	51	0.97	3.63	
PTRQX	PGIM Total Return Bond R6	0.39	3	-6.71	89	-12.78	91	-12.53	86	61	-1.34	78	1.08	36	2.56	14	0.61	6.02	
Peer Group	US Fund Intermediate Core Bond			-0.01		n.a.		n.a.			n.a.		n.a.		n.a.		1.05	3.68	
Index	Bloomberg US Agg Bond TR USD			-4.69		-10.35		-10.29			-0.93		0.88		1.54		1.61	0.72	
Multi-Sector Bond																			
PIMIX	PIMCO Income Instl	0.50	5	-5.18	32	-9.16	29	-8.48	30	35	0.33	31	2.04	22	5.07	1	0.60	5.78	
Peer Group	US Fund Multisector Bond			-0.18		n.a.		n.a.			n.a.		n.a.		n.a.		0.44	6.84	
Index	Bloomberg US Agg Bond TR USD			-4.69		-10.35		-10.29			-0.93		0.88		1.54		1.61	0.72	

*Morningstar overall rating

**Returns for periods under one year are not annualized

Returns are shown net of embedded expense ratios. Mstar Rnkg - Fund's ranking within Morningstar's category ("Peer Group"). Funds are ranked in descending order by return. For example, a Fund with a 20 ranking indicates that it is ranked in the top 20th percentile.

Source: Morningstar Direct; Wilshire Compass (Lipper Rankings)

INVESTMENT RETURNS & RANKINGS - EQUITY FUNDS

El Toro Water District - 401(k) Plan

		Annualized Total Rate of Return (%) as of 06/30/2022																	
Ticker	Name	Exp Ratio	MStar Rtg*	3-Mos**		YTD**		1-Year			3-Years		5-Years		10-Years		3 Yr Shrp%	3 Yr SD	
				Tot ROR	Mstar Rnkg	Tot ROR	Mstar Rnkg	Tot ROR	Mstar Rnkg	Lipper Rnkg	Tot ROR	Mstar Rnkg	Tot ROR	Mstar Rnkg	Tot ROR	Mstar Rnkg			
Large Blend																			
COFYX	Columbia Contrarian Core Inst3	0.63	3	-16.27	69	-18.76	36	-12.91	64	77	11.28	13	10.53	43	13.12	7	0.88	19.08	
VGIAX	Vanguard Growth & Income Adm	0.22	5	-15.78	53	-19.06	39	-9.83	30	17	10.87	17	11.32	17	13.00	10	0.83	18.76	
Peer Group	US Fund Large Blend			-0.15		n.a.		n.a.			n.a.		n.a.		n.a.		0.75	18.21	
Index	Russell 1000 TR USD			-16.67		-20.94		-13.04			10.17		11.00		12.82		1.09	19.41	
Index	S&P 500 TR USD			-16.10		-19.96		-10.62			10.60		11.31		12.96		0.86	18.40	
Large Value																			
DODGX	Dodge & Cox Stock	0.52	5	-12.42	73	-11.53	49	-7.57	78	12	11.27	8	9.92	13	13.09	2	0.60	23.40	
PKAIX	PIMCO RAE US Instl	0.40	4	-13.29	83	-12.65	63	-7.16	75	27	8.36	42	8.56	35	n.a.	n.a.	0.57	20.89	
IVE	iShares S&P 500 Value ETF	0.18	4	-11.32	50	-11.51	48	-5.04	50	64	8.05	49	8.01	49	10.78	35	0.59	19.60	
Peer Group	US Fund Large Value			-1.03		n.a.		n.a.			n.a.		n.a.		n.a.		0.52	19.75	
Index	Russell 1000 Value TR USD			-12.21		-12.86		-6.82			6.87		7.17		10.50		0.86	18.99	
Large Growth																			
HNACX	Harbor Capital Appreciation Retirement	0.57	3	-25.46	87	-35.59	87	-32.06	84	78	8.25	55	12.14	35	13.69	25	1.02	21.93	
LSITX	ClearBridge Large Cap Growth IS	0.61	3	-22.94	72	-31.90	72	-25.50	67	50	5.80	77	10.23	67	13.79	24	0.97	18.98	
Peer Group	US Fund Large Growth			0.00		n.a.		n.a.			n.a.		n.a.		n.a.		0.99	19.00	
Index	Russell 1000 Growth TR USD			-20.92		-28.07		-18.77			12.58		14.29		14.80		0.44	19.50	
Mid Core																			
VO	Vanguard Mid-Cap ETF	0.04	4	-16.96	89	-22.20	86	-16.00	69	38	7.18	40	8.28	24	11.48	14	0.68	21.54	
Peer Group	US Fund Mid-Cap Blend			2.68		n.a.		n.a.			n.a.		n.a.		n.a.		0.56	22.07	
Index	Russell Mid Cap TR USD			-16.85		-21.57		-17.30			6.59		7.96		11.29		0.87	21.55	

*Morningstar overall rating

**Returns for periods under one year are not annualized

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Source: Morningstar Direct; Wilshire Compass (Lipper Rankings)

INVESTMENT RETURNS & RANKINGS - EQUITY FUNDS

El Toro Water District - 401(k) Plan

		Annualized Total Rate of Return (%) as of 06/30/2022																	
Ticker	Name	Exp Ratio	MStar Rtg*	3-Mos**		YTD**		1-Year			3-Years		5-Years		10-Years		3 Yr Shrp%	3 Yr SD	
				Tot ROR	Mstar Rnkg	Tot ROR	Mstar Rnkg	Tot ROR	Mstar Rnkg	Lipper Rnkg	Tot ROR	Mstar Rnkg	Tot ROR	Mstar Rnkg	Tot ROR	Mstar Rnkg			
Small Value																			
UBVFX	Undiscovered Managers Behavioral Val R6	0.80	4	-11.05	16	-7.91	4	-3.11	3	19	10.76	15	8.19	10	11.83	4	0.45	31.71	
Peer Group	US Fund Small Value			-2.03		n.a.		n.a.			n.a.		n.a.		n.a.		0.44	27.64	
Index	Russell 2000 Value TR USD			-15.28		-17.31		-16.28			6.18		4.89		9.05		0.61	25.70	
Small Blend																			
DCZRX	Delaware Small Cap Core R6	0.69	4	-14.06	35	-19.22	41	-15.67	39	87	6.99	30	6.97	23	11.06	7	0.59	24.50	
VB	Vanguard Small-Cap ETF	0.05	4	-16.88	77	-21.65	68	-20.75	75	70	5.39	59	6.88	25	10.44	20	0.64	24.67	
Peer Group	US Fund Small Blend			-2.21		n.a.		n.a.			n.a.		n.a.		n.a.		0.50	25.15	
Index	Russell 2000 TR USD			-17.20		-23.43		-25.20			4.21		5.17		9.35		0.70	25.53	
Small Growth																			
RSEJX	Victory RS Small Cap Growth R6	1.05	1	-24.13	86	-36.97	87	-43.99	91	98	-6.45	97	2.78	96	8.80	85	0.69	25.85	
VBK	Vanguard Small-Cap Growth ETF	0.07	3	-20.44	62	-29.94	54	-31.77	62	66	2.34	72	6.81	66	9.82	64	0.80	24.11	
Peer Group	US Fund Small Growth			-2.42		n.a.		n.a.			n.a.		n.a.		n.a.		0.80	24.61	
Index	Russell 2000 Growth TR USD			-19.25		-29.45		-33.43			1.40		4.80		9.30		0.55	19.97	

*Morningstar overall rating

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Source: Morningstar Direct; Wilshire Compass (Lipper Rankings)

INVESTMENT RETURNS & RANKINGS - EQUITY FUNDS

El Toro Water District - 401(k) Plan

		Annualized Total Rate of Return (%) as of 06/30/2022																	
Ticker	Name	Exp Ratio	MStar Rtg*	3-Mos**		YTD**		1-Year			3-Years		5-Years		10-Years		3 Yr Shrp%	3 Yr SD	
				Tot ROR	Mstar Rnkg	Tot ROR	Mstar Rnkg	Tot ROR	Mstar Rnkg	Lipper Rnkg	Tot ROR	Mstar Rnkg	Tot ROR	Mstar Rnkg	Tot ROR	Mstar Rnkg			
Foreign Large Blend																			
DFALX	DFA Large Cap International I	0.18	4	-13.22	47	-17.50	25	-15.71	17	33	2.48	23	3.01	22	5.62	25	0.34	18.56	
HEFA	iShares Currency Hedged MSCI EAFE ETF	0.35	5	-6.37	2	-9.75	1	-5.14	1	20	5.89	3	5.95	1	n.a.	n.a.	0.53	15.95	
Peer Group	US Fund Foreign Large Blend			n.a.		n.a.		n.a.			n.a.		n.a.		n.a.		0.33	17.57	
Peer Group	US Fund Europe Stock			n.a.		n.a.		n.a.			n.a.		n.a.		n.a.		0.36	19.16	
Index	MSCI EAFE NR USD			-14.51		-19.57		-17.77			1.07		2.20		5.40		0.12	20.77	
Foreign Large Value																			
DODFX	Dodge & Cox International Stock	0.63	4	-9.49	18	-10.02	18	-10.93	33	59	3.52	16	2.14	25	6.11	5	0.22	23.35	
Peer Group	US Fund Foreign Large Value			n.a.		n.a.		n.a.			n.a.		n.a.		n.a.		0.19	19.55	
Index	MSCI EAFE Value NR USD			-12.41		-12.12		-11.95			0.18		0.52		4.25		0.35	19.16	
Foreign Large Growth																			
MGRDX	MFS International Growth R6	0.72	4	-12.24	7	-19.38	7	-17.98	6	75	3.33	21	5.71	15	7.08	23	0.66	15.68	
Peer Group	US Fund Foreign Large Growth			n.a.		n.a.		n.a.			n.a.		n.a.		n.a.		0.60	16.68	
Index	MSCI EAFE Growth NR USD			-16.88		-26.81		-23.76			1.32		3.47		6.29		0.34	17.74	
Index	MSCI ACWI Ex USA Growth NR USD			-15.71		-24.79		-25.80			1.62		3.43		5.71		0.15	20.23	
Diversified Emerging Markets																			
HHHFX	Hartford Schroders Emerging Mkts Eq F	1.05	4	-12.08	57	-19.78	56	-28.42	66	54	0.75	42	2.70	29	3.53	31	0.47	19.48	
VWO	Vanguard FTSE Emerging Markets ETF	0.08	4	-9.17	10	-14.83	15	-21.05	25	24	2.10	24	3.15	20	3.26	36	0.35	18.94	

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Source: Morningstar Direct; Wilshire Compass (Lipper Rankings)

INVESTMENT RETURNS & RANKINGS - ALTERNATIVE FUNDS

El Toro Water District - 401(k) Plan

		Annualized Total Rate of Return (%) as of 06/30/2022																	
Ticker	Name	Exp Ratio	MStar Rtg*	3-Mos**		YTD**		1-Year			3-Years		5-Years		10-Years		3 Yr Shrp%	3 Yr SD	
				Tot ROR	Mstar Rnkg	Tot ROR	Mstar Rnkg	Tot ROR	Mstar Rnkg	Lipper Rnkg	Tot ROR	Mstar Rnkg	Tot ROR	Mstar Rnkg	Tot ROR	Mstar Rnkg			
Market Neutral																			
BSIKX	BlackRock Strategic Income Opps K	0.55	4	-2.64	29	-5.40	31	-5.63	31	58	1.69	21	2.42	13	3.04	11	0.67	5.08	
BILPX	BlackRock Event Driven Equity Instl	1.32	4	-2.11	48	-2.02	37	-2.65	39	56	3.03	35	3.73	25	7.58	9	1.09	4.74	
Managed Futures																			
AHLIX	American Beacon AHL Mgd Futs Strat R5	1.54	4	3.65	63	13.73	58	9.63	67	42	9.49	45	7.61	32	n.a.	n.a.	0.63	9.13	
AMFNX	AlphaSimplex Mgd Futs Strat N	1.36	4	16.12	7	37.13	11	32.34	11	58	18.03	4	10.96	6	7.59	1	0.45	10.82	
Fund of Hedge Funds																			
BSTKX	BlackRock Total Factor K	0.51	2	-4.16	58	-11.71	85	-5.12	62	5	-3.68	97	-0.54	90	n.a.	n.a.	-0.40	8.11	
QSPIX	AQR Style Premia Alternative I	1.53	3	12.26	1	25.04	1	32.35	1	25	5.66	6	1.62	65	n.a.	n.a.	-1.00	10.46	
REITs																			
ICF	iShares Cohen & Steers REIT ETF	0.33	4	-14.12	17	-19.60	34	-5.38	25	22	4.83	47	6.39	33	7.59	30	0.59	16.57	
Precious Metals																			
IAU	iShares Gold Trust	0.25	n.a.	-6.50	46	-0.29	53	2.80	57	24	8.58	55	7.63	30	1.03	16	0.54	13.96	

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Source: Morningstar Direct; Wilshire Compass (Lipper Rankings)

TARGET FUND ALLOCATIONS

El Toro Water District - 401(k) Plan

	Capital Preservation	Income	Income & Growth	Balanced Income	Balanced	Capital Appreciation	Growth		
Equity	19%	30%	47%	50%	66%	77%	50%	Ticker	Fund Name
Large Cap Blend	3.04%	4.58%	7.58%	7.91%	10.48%	12.06%	7.62%	COFYX	Columbia Contrarian Core Inst3
	2.96%	4.74%	7.84%	7.75%	10.87%	12.38%	7.91%	VGIAAX	Vanguard Growth & Income Adm
Large Cap Growth	1.17%	1.98%	3.36%	3.90%	4.21%	5.56%	3.73%	HNACX	Harbor Capital Appreciation Retirement
	1.25%	2.13%	3.18%	3.17%	4.60%	5.55%	3.61%	LSITX	ClearBridge Large Cap Growth IS
Large Cap Value	1.43%	2.39%	3.64%	3.80%	4.92%	5.77%	4.01%	PKAIX	PIMCO RAE US Instl
	1.66%	2.48%	4.10%	4.07%	5.42%	6.88%	4.31%	DODGX	Dodge & Cox Stock
	0.22%	0.43%	0.51%	0.88%	1.40%	1.74%	0.83%	IVE	iShares S&P 500 Value ETF
Mid Cap Blend	0.26%	0.41%	0.54%	0.77%	0.86%	0.90%	0.69%	VO	Vanguard Mid-Cap ETF
Small Cap Blend	0.61%	1.29%	1.53%	1.10%	1.64%	1.85%	1.15%	DCZRX	Delaware Small Cap Core R6
	0.46%	0.79%	1.43%	1.31%	1.54%	1.76%	0.98%	VB	Vanguard Small-Cap ETF
Small Cap Growth	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	RSEJX	Victory RS Small Cap Growth R6
	0.57%	0.76%	1.33%	1.58%	2.16%	2.72%	1.94%	VBK	Vanguard Small-Cap Growth ETF
Small Cap Value	0.75%	0.96%	1.90%	2.39%	3.27%	3.98%	2.61%	UBVFX	Undiscovered Managers Behavioral Val R6
Foreign Large Blend	0.30%	0.46%	0.51%	0.91%	1.42%	1.05%	1.13%	HEFA	iShares Currency Hedged MSCI EAFE ETF
	1.74%	2.85%	4.65%	4.76%	6.04%	8.30%	4.43%	DFALX	DFA Large Cap International I
Foreign Large Growth	0.51%	0.84%	1.26%	1.44%	1.71%	1.25%	1.19%	MGRDX	MFS International Growth R6
Foreign Large Value	0.62%	0.90%	1.37%	1.55%	1.86%	1.40%	1.18%	DODFX	Dodge & Cox International Stock
Emerging Markets	0.49%	0.82%	1.19%	1.32%	1.73%	1.98%	1.32%	HHHFX	Hartford Schroders Emerging Mkts Eq F
	0.50%	0.82%	1.20%	1.33%	1.74%	2.14%	1.33%	VWO	Vanguard FTSE Emerging Markets ETF
Alternatives	12%	10%	11%	9%	7%	6%	3%	Ticker	Fund Name
Managed Futures	1.91%	1.70%	1.69%	1.54%	1.04%	0.60%	0.23%	AHLIX	American Beacon AHL Mgd Futs Strat R5
	2.31%	2.04%	2.04%	1.87%	1.24%	0.73%	0.53%	AMFNX	AlphaSimplex Mgd Futs Strat N
Market Neutral	2.17%	1.64%	1.71%	1.36%	0.98%	0.77%	0.42%	BSIKX	BlackRock Strategic Income Opps K
	1.70%	1.46%	1.36%	0.99%	0.82%	0.80%	0.45%	BILPX	BlackRock Event Driven Equity Instl
Multi-Strategy / Fund of Funds	0.00%	0.18%	0.30%	0.22%	0.29%	0.15%	0.11%	BSTKX	BlackRock Total Factor K
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	QSPIX	AQR Style Premia Alternative I
REITs	3.34%	2.65%	2.59%	2.28%	1.88%	1.99%	1.15%	ICF	iShares Cohen & Steers REIT ETF
Precious Metals	0.98%	0.79%	0.82%	0.81%	0.66%	0.67%	0.32%	IAU	iShares Gold Trust
Fixed Income	66%	44%	36%	23%	17%	11%	4%	Ticker	Fund Name
Ultra Short-Term Bond	2.27%	1.17%	1.09%	1.34%	0.00%	1.11%	0.00%	VUSFX	Vanguard Ultra-Short-Term Bond Admiral
Short-Term Bond	8.65%	6.72%	6.28%	4.59%	3.00%	2.05%	0.78%	VFSUX	Vanguard Short-Term Investment-Grade Adm
Intermediate-Term Bond	13.38%	8.82%	6.85%	4.24%	3.19%	1.90%	0.81%	DBLFX	DoubleLine Core Fixed Income I
	13.24%	8.73%	6.81%	4.33%	3.24%	1.93%	0.82%	PTTRX	PIMCO Total Return Instl
	13.01%	8.57%	6.79%	4.33%	3.20%	1.93%	0.82%	PTRQX	PGIM Total Return Bond R6
	13.43%	8.85%	7.05%	4.45%	3.34%	2.00%	0.85%	DODIX	Dodge & Cox Income
Multi-Sector Bond	2.11%	1.59%	1.26%	0.00%	0.94%	0.53%	0.28%	PIMIX	PIMCO Income Instl
Cash	3%	15%	6%	16%	10%	5%	42%	Ticker	Fund Name
Cash & Equivalents	2.60%	15.13%	5.86%	16.32%	9.94%	5.18%	42.20%	FIGXX	Fidelity Money Market Government Portfolio I
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		

Target Allocations are subject to change without notice.

Account Name: EL TORO WATER 401K - CAP PRES

Account ID: xxxxx11389

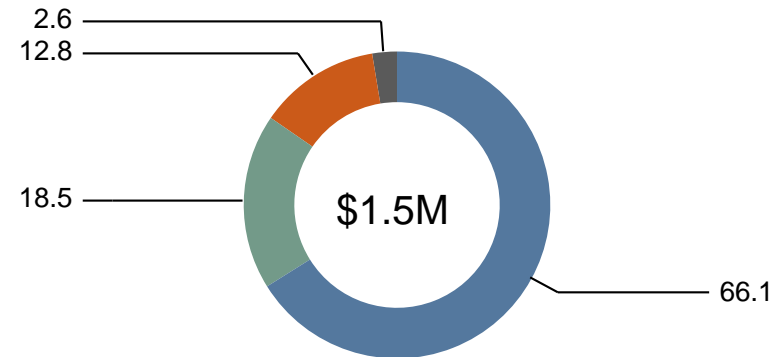


As of: June 30, 2022

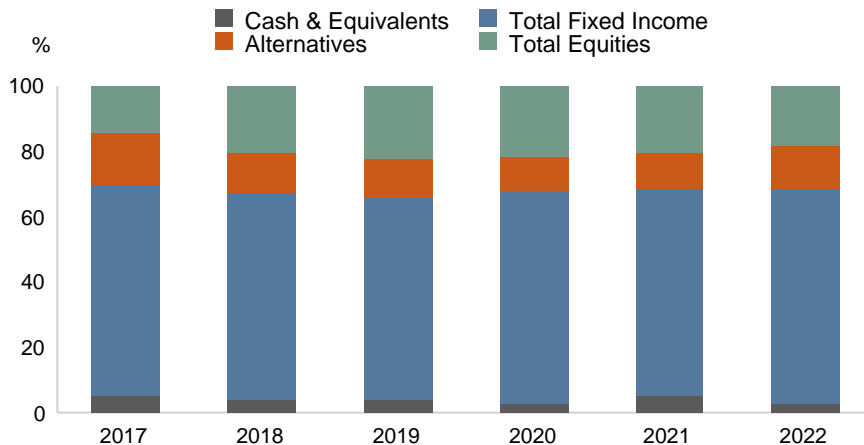
Asset Allocation Summary

Market Value by Asset Class

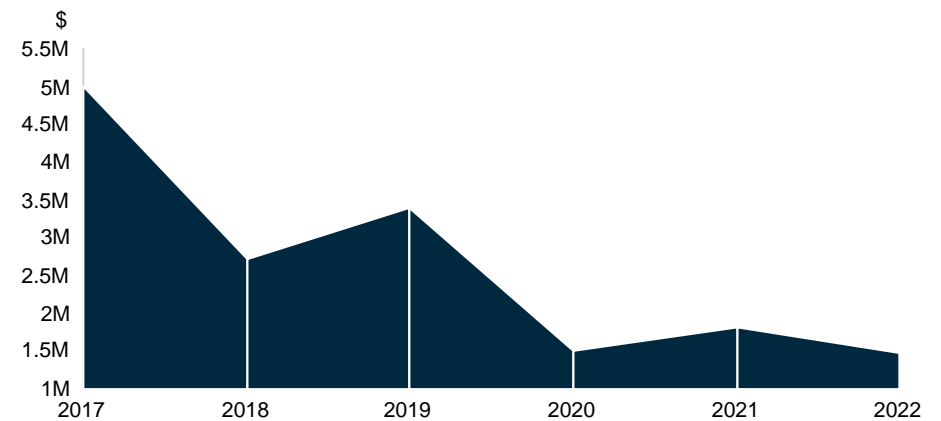
	Market Value	% of Mkt Val
Total Fixed Income	\$ 963,849	66.1 %
Total Equities	\$ 269,486	18.5 %
Alternatives	\$ 186,432	12.8 %
Cash & Equivalents	\$ 37,921	2.6 %
Total	\$ 1,457,687	100.0 %



Annual Allocation



Annual Ending Market Values



Account Name: EL TORO WATER 401K - CAP PRES

Account ID: xxxxx11389



As of: June 30, 2022

Holdings Report w/ Yield and Income

	Ticker	Units	Unit Cost	Total Cost	Price	Market Value	Weight	Unit Income	Annual Income	Current Yield
Alternatives										
Commodities										
	DFA COMMODITY STRATEGY INSTITUTIONAL	DCMSX	1,051.488	5.97	6,280.76	5.50	5,783.19	.4	2.15	39.164
Total for Commodities					6,280.76		5,783.19	.4	2,264.91	39.164
Managed Futures										
	AMERICAN BEACON AHL MGD FUTS #4815	AHLIX	2,329.721	11.02	25,680.24	11.93	27,793.57	1.9	.47	3.898
	NATIXIS ASG MGD FUT CL N #6100	AMFNX	2,440.295	10.24	24,999.90	13.76	33,578.46	2.3	.65	4.731
Total for Managed Futures					50,680.14		61,372.03	4.2	2,671.95	4.354
Merger/Arbitrage										
	BLACKROCK EV DRIVEN EQTY FD #0443	BILPX	2,539.801	9.91	25,177.16	9.72	24,686.87	1.7	.00	.000
Total for Merger/Arbitrage					25,177.16		24,686.87	1.7	.00	.000
Precious Metals										
	ISHARES GOLD TR	IAU	414.000	35.52	14,705.19	34.31	14,204.34	1.0	.00	.000
Total for Precious Metals					14,705.19		14,204.34	1.0	.00	.000
Real Estate - ETFs / Sctr Fds										
	ISHARES COHEN & STEERS REIT ETF	ICF	801.000	57.61	46,148.14	60.77	48,676.77	3.3	1.20	1.976
Total for Real Estate - ETFs / Sctr Fds					46,148.14		48,676.77	3.3	962.00	1.976
Unconstrained Fixed Income										
	BLACKROCK STRAT INC OPPS CL K #1944	BSIKX	3,332.897	10.18	33,913.15	9.49	31,708.63	2.2	.25	2.613
Total for Unconstrained Fixed Income					33,913.15		31,708.63	2.2	826.56	2.613
Total: Alternatives					176,904.54		186,431.83	12.8	6,725.42	3.609
Cash										
Cash										

Account Name: EL TORO WATER 401K - CAP PRES

Account ID: xxxxx11389



As of: June 30, 2022

Holdings Report w/ Yield and Income

	Ticker	Units	Unit Cost	Total Cost	Price	Market Value	Weight	Unit Income	Annual Income	Current Yield
Cash/Pending Trade		-2,343.950	1.00	-2,343.95	1.00	-2,343.95	-.2	.00	.00	.000
Total for Cash				-2,343.95		-2,343.95	-.2		.00	.000
Total: Cash				-2,343.95		-2,343.95	-.2		.00	.000
Total Equities										
Emerging Market Funds										
HARTFORD SCHROEDERS EMRG MKT FD#3150	HHHFX	468.882	15.01	7,038.93	15.29	7,169.21	.5	.27	124.25	1.733
VANGUARD FTSE EMRG MRKTS ETF	VWO	173.000	49.21	8,512.72	41.65	7,205.45	.5	1.39	240.47	3.337
Total for Emerging Market Funds				15,551.65		14,374.66	1.0		364.72	2.537
Foreign Large Blended Funds										
DFA LARGE CAP INTERNATIONAL PORT #28	DFALX	1,137.735	22.14	25,193.46	22.25	25,314.60	1.7	.81	922.70	3.645
ISHARES TR HDG MSCI EAFE	HEFA	139.000	26.95	3,746.00	31.82	4,422.98	.3	1.39	192.65	4.356
Total for Foreign Large Blended Funds				28,939.46		29,737.58	2.0		1,115.36	3.751
Foreign Large Growth Funds										
MFS INTERNATIONAL GROWTH R6 # 4805	MGRDX	210.395	35.18	7,402.18	35.19	7,403.80	.5	.48	102.04	1.378
Total for Foreign Large Growth Funds				7,402.18		7,403.80	.5		102.04	1.378
Foreign Large Value Funds										
DODGE & COX INTL STOCK FD(CLSF)#1048	DODFX	210.702	40.23	8,476.29	42.55	8,965.37	.6	1.18	248.00	2.766
Total for Foreign Large Value Funds				8,476.29		8,965.37	.6		248.00	2.766
Large-Cap Blended Funds										
COLUMBIA CONTRARIAN CORE CL Y #6262	COFYX	1,600.295	28.03	44,854.09	27.68	44,296.17	3.0	.20	328.06	.741
VANGUARD GRO & INC ADMIRAL SHRS #593	VGIAAX	514.145	85.52	43,970.87	83.76	43,064.79	3.0	1.38	709.52	1.648
Total for Large-Cap Blended Funds				88,824.96		87,360.96	6.0		1,037.58	1.188
Large-Cap Growth Funds										
HARBOR CP APPRE RTRMT CL #2512	HNACX	261.848	82.85	21,694.77	64.99	17,017.50	1.2	.00	.00	.000

Account Name: EL TORO WATER 401K - CAP PRES

Account ID: xxxxx11389



As of: June 30, 2022

Holdings Report w/ Yield and Income

	Ticker	Units	Unit Cost	Total Cost	Price	Market Value	Weight	Unit Income	Annual Income	Current Yield
LEGG MASON CLRBRG LC GWTH CL IS#962	LSITX	356.363	58.95	21,005.88	50.87	18,128.19	1.2	.00	.00	.000
Total for Large-Cap Growth Funds				42,700.65		35,145.69	2.4		.00	.000
Large-Cap Value Funds										
DODGE & COX STOCK FD #145	DODGX	112.561	191.32	21,535.57	214.13	24,102.69	1.7	3.04	342.19	1.420
ISHARES S&P 500 VALUE ETF	IVE	23.000	123.77	2,846.60	137.46	3,161.58	.2	2.91	66.86	2.115
PIMCO RAE FUNDAMENTAL US INSTL #2155	PKAIX	1,763.288	11.23	19,803.45	11.81	20,824.43	1.4	.17	299.76	1.439
Total for Large-Cap Value Funds				44,185.62		48,088.70	3.3		708.81	1.474
Mid-Cap Blended Funds										
VANGUARD MID-CAP ETF	VO	19.000	166.50	3,163.51	196.97	3,742.43	.3	2.88	54.72	1.462
Total for Mid-Cap Blended Funds				3,163.51		3,742.43	.3		54.72	1.462
Small-Cap Blended Funds										
DELAWARE SM CAP CORE FD CL R6 # 488	DCZRX	348.699	22.63	7,891.35	25.30	8,822.08	.6	.10	34.52	.391
VANGUARD SMALL-CAP ETF	VB	38.000	184.27	7,002.43	176.11	6,692.18	.5	2.82	107.27	1.603
Total for Small-Cap Blended Funds				14,893.78		15,514.26	1.1		141.80	.914
Small-Cap Growth Funds										
VANGUARD SMALL CAP GR VIPERS	VBK	42.000	256.16	10,758.91	197.03	8,275.26	.6	.76	32.00	.387
Total for Small-Cap Growth Funds				10,758.91		8,275.26	.6		32.00	.387
Small-Cap Value Funds										
UNDISCOVERED MGRS BEHAVL R6 #3467	UBVFX	141.498	62.33	8,819.43	76.87	10,876.95	.7	.91	128.48	1.181
Total for Small-Cap Value Funds				8,819.43		10,876.95	.7		128.48	1.181
Total: Total Equities				273,716.44		269,485.66	18.5		3,933.50	1.460
Total Fixed Income										
Tax Fds - Multi Sector Inc										
PIMCO INCOME FUND INSTL #1821	PIMIX	2,892.759	11.97	34,627.53	10.61	30,824.73	2.1	.49	1,423.24	4.637
Total for Tax Fds - Multi Sector Inc				34,627.53		30,824.73	2.1		1,423.24	4.637

Account Name: EL TORO WATER 401K - CAP PRES

Account ID: xxxxx11389



As of: June 30, 2022

Holdings Report w/ Yield and Income

	Ticker	Units	Unit Cost	Total Cost	Price	Market Value	Weight	Unit Income	Annual Income	Current Yield
Taxable Funds - Int Term										
	DODIX	15,560.795	14.17	220,505.10	12.56	195,443.59	13.4	.27	4,139.17	2.118
	DBLFX	20,126.227	11.01	221,541.91	9.68	195,438.54	13.4	.32	6,380.01	3.275
	PTTRX	21,410.379	10.57	226,204.28	9.00	193,111.21	13.2	.18	3,923.45	2.036
	PTRQX	15,217.916	14.63	222,703.39	12.44	189,891.06	13.0	.46	7,000.24	3.698
Total for Taxable Funds - Int Term				890,954.68		773,884.40	53.1		21,442.88	2.777
Taxable Funds - Short Term										
	VFSUX	12,485.786	10.84	135,385.61	10.08	126,067.41	8.6	.18	2,297.38	1.825
Total for Taxable Funds - Short Term				135,385.61		126,067.41	8.6		2,297.38	1.825
Taxable Funds - Ultra ST										
	VUSFX	1,673.713	20.15	33,729.05	19.76	33,072.57	2.3	.14	225.95	.683
Total for Taxable Funds - Ultra ST				33,729.05		33,072.57	2.3		225.95	.683
Total: Total Fixed Income				1,094,696.87		963,849.11	66.1		25,389.45	2.640
Cash Equivalents										
Cash - Money Market										
	FIGXX	40,235.440	1.00	40,235.44	1.00	40,264.48	2.8	.00	106.62	.265
Total for Cash - Money Market				40,235.44		40,264.48	2.8		106.62	.265
Total: Cash Equivalents				40,235.44		40,264.48	2.8		106.62	.265
Total				1,583,209.34		1,457,687.13	100.0		36,155.00	2.484

Account Name: ETW 401K INCOME

Account ID: xxxxx51389

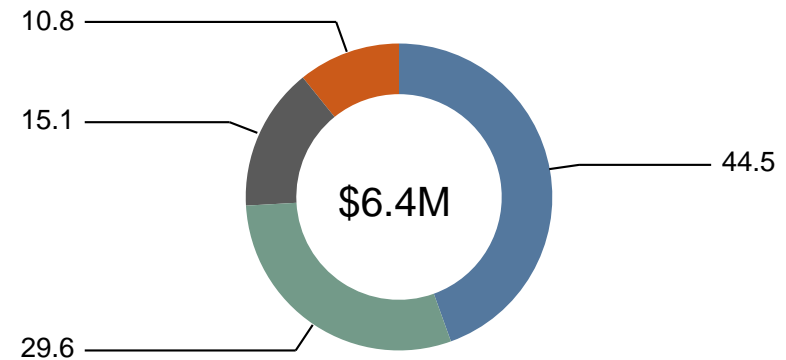


As of: June 30, 2022

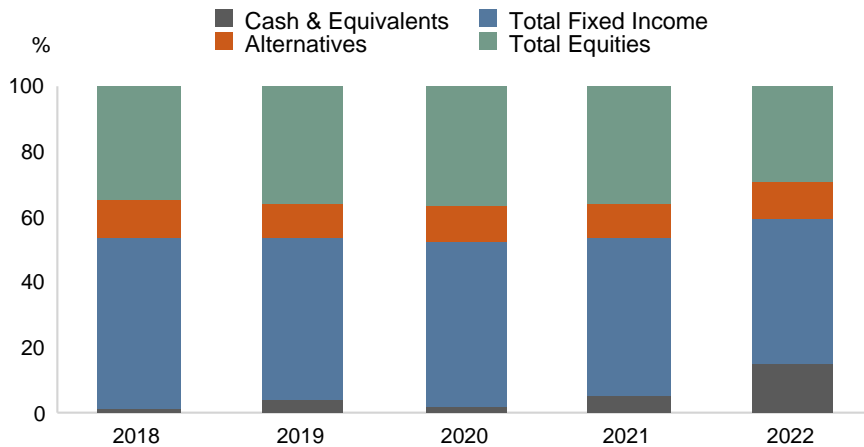
Asset Allocation Summary

Market Value by Asset Class

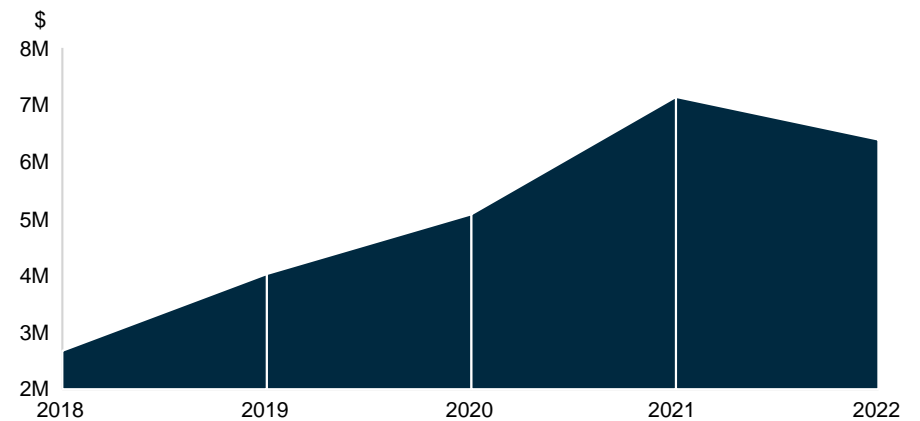
	Market Value	% of Mkt Val
Total Fixed Income	\$ 2,841,318	44.5 %
Total Equities	\$ 1,890,099	29.6 %
Cash & Equivalents	\$ 965,361	15.1 %
Alternatives	\$ 689,294	10.8 %
Total	\$ 6,386,073	100.0 %



Annual Allocation



Annual Ending Market Values



Account Name: ETW 401K INCOME

Account ID: xxxxx51389



As of: June 30, 2022

Holdings Report w/ Yield and Income

	Ticker	Units	Unit Cost	Total Cost	Price	Market Value	Weight	Unit Income	Annual Income	Current Yield
Alternatives										
Commodities										
DFA COMMODITY STRATEGY INSTITUTIONAL	DCMSX	3,942.890	5.97	23,555.12	5.50	21,685.90	.3	2.15	8,492.99	39.164
Total for Commodities				23,555.12		21,685.90	.3		8,492.99	39.164
Managed Futures										
AMERICAN BEACON AHL MGD FUTS #4815	AHLIX	9,071.821	11.07	100,415.14	11.93	108,226.82	1.7	.47	4,218.40	3.898
NATIXIS ASG MGD FUT CL N #6100	AMFNX	9,477.619	10.00	94,765.23	13.76	130,412.04	2.0	.65	6,169.93	4.731
Total for Managed Futures				195,180.37		238,638.86	3.7		10,388.33	4.353
Merger/Arbitrage										
BLACKROCK EV DRIVEN EQTY FD #0443	BILPX	9,566.469	9.87	94,426.37	9.72	92,986.08	1.5	.00	.00	.000
Total for Merger/Arbitrage				94,426.37		92,986.08	1.5		.00	.000
Multi-Strategy Strategic										
BLACKROCK TOTAL FACTOR K#1994	BSTKX	1,353.641	8.77	11,874.57	8.52	11,533.02	.2	.38	507.62	4.401
Total for Multi-Strategy Strategic				11,874.57		11,533.02	.2		507.62	4.401
Precious Metals										
ISHARES GOLD TR	IAU	1,473.000	35.66	52,524.20	34.31	50,538.63	.8	.00	.00	.000
Total for Precious Metals				52,524.20		50,538.63	.8		.00	.000
Real Estate - ETFs / Sctr Fds										
ISHARES COHEN & STEERS REIT ETF	ICF	2,786.000	58.34	162,526.30	60.77	169,305.22	2.7	1.20	3,345.99	1.976
Total for Real Estate - ETFs / Sctr Fds				162,526.30		169,305.22	2.7		3,345.99	1.976
Unconstrained Fixed Income										
BLACKROCK STRAT INC OPPS CL K #1944	BSIKX	10,992.772	10.13	111,392.39	9.49	104,606.49	1.6	.25	2,726.21	2.613
Total for Unconstrained Fixed Income				111,392.39		104,606.49	1.6		2,726.21	2.613
Total: Alternatives				651,479.32		689,294.20	10.8		25,461.12	3.695

Account Name: ETW 401K INCOME

Account ID: xxxxx51389



As of: June 30, 2022

Holdings Report w/ Yield and Income

	Ticker	Units	Unit Cost	Total Cost	Price	Market Value	Weight	Unit Income	Annual Income	Current Yield
Cash										
Cash										
Cash/Pending Trade		-8,647.810	1.00	-8,647.81	1.00	-8,647.81	-.1	.00	.00	.000
Total for Cash				-8,647.81		-8,647.81	-1		.00	.000
Total: Cash				-8,647.81		-8,647.81	-1		.00	.000
Total Equities										
Emerging Market Funds										
HARTFORD SCHRODERS EMRG MKT FD#3150	HHHFX	3,404.289	16.29	55,451.81	15.29	52,051.58	.8	.27	902.14	1.733
VANGUARD FTSE EMRG MRKTS ETF	VWO	1,259.000	47.44	59,720.70	41.65	52,437.35	.8	1.39	1,750.01	3.337
Total for Emerging Market Funds				115,172.51		104,488.93	1.6		2,652.15	2.538
Foreign Large Blended Funds										
DFA LARGE CAP INTERNATIONAL PORT #28	DFALX	8,160.613	22.01	179,649.09	22.25	181,573.64	2.8	.81	6,618.26	3.645
ISHARES TR HDG MSCI EAFE	HEFA	917.000	28.83	26,437.16	31.82	29,178.94	.5	1.39	1,270.96	4.356
Total for Foreign Large Blended Funds				206,086.25		210,752.58	3.3		7,889.22	3.743
Foreign Large Growth Funds										
MFS INTERNATIONAL GROWTH R6 # 4805	MGRDX	1,516.100	36.02	54,615.41	35.19	53,351.56	.8	.48	735.31	1.378
Total for Foreign Large Growth Funds				54,615.41		53,351.56	.8		735.31	1.378
Foreign Large Value Funds										
DODGE & COX INTL STOCK FD(CLSA)#1048	DODFX	1,354.706	41.26	55,899.58	42.55	57,642.74	.9	1.18	1,594.49	2.766
Total for Foreign Large Value Funds				55,899.58		57,642.74	.9		1,594.49	2.766
Large-Cap Blended Funds										
COLUMBIA CONTRARIAN CORE CL Y #6262	COFYX	10,565.295	29.22	308,742.40	27.68	292,447.37	4.6	.20	2,165.89	.741
VANGUARD GRO & INC ADMIRAL SHRS #593	VGIAX	3,612.521	87.92	317,596.81	83.76	302,584.76	4.7	1.38	4,985.28	1.648
Total for Large-Cap Blended Funds				626,339.21		595,032.13	9.3		7,151.16	1.202

Account Name: ETW 401K INCOME

Account ID: xxxxx51389



As of: June 30, 2022

Holdings Report w/ Yield and Income

	Ticker	Units	Unit Cost	Total Cost	Price	Market Value	Weight	Unit Income	Annual Income	Current Yield
Large-Cap Growth Funds										
HARBOR CP APPRE RTRMT CL #2512	HNACX	1,940.713	82.26	159,642.94	64.99	126,126.94	2.0	.00	.00	.000
LEGG MASON CLRBRG LC GWTH CL IS#962	LSITX	2,668.448	59.25	158,095.26	50.87	135,743.95	2.1	.00	.00	.000
Total for Large-Cap Growth Funds				317,738.20		261,870.89	4.1		.00	.000
Large-Cap Value Funds										
DODGE & COX STOCK FD #145	DODGX	739.198	200.46	148,180.78	214.13	158,284.47	2.5	3.04	2,247.16	1.420
ISHARES S&P 500 VALUE ETF	IVE	200.000	126.52	25,303.38	137.46	27,492.00	.4	2.91	581.40	2.115
PIMCO RAE FUNDAMENTAL US INSTL #2155	PKAIX	12,935.828	11.88	153,677.42	11.81	152,772.13	2.4	.17	2,199.09	1.439
Total for Large-Cap Value Funds				327,161.58		338,548.60	5.3		5,027.65	1.485
Mid-Cap Blended Funds										
VANGUARD MID-CAP ETF	VO	132.000	167.65	22,129.17	196.97	26,000.04	.4	2.88	380.16	1.462
Total for Mid-Cap Blended Funds				22,129.17		26,000.04	.4		380.16	1.462
Small-Cap Blended Funds										
DELAWARE SM CAP CORE FD CL R6 # 488	DCZRX	3,245.790	24.23	78,636.71	25.30	82,118.49	1.3	.10	321.33	.391
VANGUARD SMALL-CAP ETF	VB	285.000	187.75	53,507.41	176.11	50,191.35	.8	2.82	804.55	1.603
Total for Small-Cap Blended Funds				132,144.12		132,309.84	2.1		1,125.89	.851
Small-Cap Growth Funds										
VANGUARD SMALL CAP GR VIPERS	VBK	247.000	260.30	64,294.28	197.03	48,666.41	.8	.76	188.21	.387
Total for Small-Cap Growth Funds				64,294.28		48,666.41	.8		188.21	.387
Small-Cap Value Funds										
UNDISCOVERED MGRS BEHAVL R6 #3467	UBVFX	799.207	65.31	52,195.91	76.87	61,435.04	1.0	.91	725.68	1.181
Total for Small-Cap Value Funds				52,195.91		61,435.04	1.0		725.68	1.181
Total: Total Equities				1,973,776.22		1,890,098.76	29.6		27,469.92	1.453
Total Fixed Income										

Account Name: ETW 401K INCOME

Account ID: xxxxx51389



As of: June 30, 2022

Holdings Report w/ Yield and Income

	Ticker	Units	Unit Cost	Total Cost	Price	Market Value	Weight	Unit Income	Annual Income	Current Yield
Tax Fds - Multi Sector Inc										
	PIMIX	9,543.073	11.96	114,147.36	10.61	101,726.28	1.6	.49	4,695.19	4.637
Total for Tax Fds - Multi Sector Inc				114,147.36		101,726.28	1.6		4,695.19	4.637
Taxable Funds - Int Term										
	DODIX	44,962.894	13.95	627,378.46	12.56	564,733.95	8.8	.27	11,960.13	2.118
	DBLFX	58,122.652	10.93	635,241.90	9.68	564,408.17	8.8	.32	18,424.88	3.275
	PTTRX	61,845.109	10.29	636,330.81	9.00	557,916.90	8.7	.18	11,333.12	2.036
	PTRQX	43,957.938	14.44	634,645.95	12.44	548,660.85	8.6	.46	20,220.65	3.698
Total for Taxable Funds - Int Term				2,533,597.12		2,235,719.87	35.0		61,938.78	2.777
Taxable Funds - Short Term										
	VFSUX	42,529.594	10.79	458,978.38	10.08	429,477.16	6.7	.18	7,825.45	1.825
Total for Taxable Funds - Short Term				458,978.38		429,477.16	6.7		7,825.45	1.825
Taxable Funds - Ultra ST										
	VUSFX	3,764.932	20.12	75,753.07	19.76	74,395.06	1.2	.14	508.27	.683
Total for Taxable Funds - Ultra ST				75,753.07		74,395.06	1.2		508.27	.683
Total: Total Fixed Income				3,182,475.93		2,841,318.37	44.5		74,967.68	2.644
Cash Equivalents										
Cash - Money Market										
	FIGXX	973,620.270	1.00	973,620.27	1.00	974,009.02	15.3	.00	2,580.09	.265
Total for Cash - Money Market				973,620.27		974,009.02	15.3		2,580.09	.265
Total: Cash Equivalents				973,620.27		974,009.02	15.3		2,580.09	.265
Total				6,772,703.93		6,386,072.54	100.0		130,478.82	2.045

Account Name: EL TORO WATER 401K - INC & GROWTH

Account ID: xxxxx21389

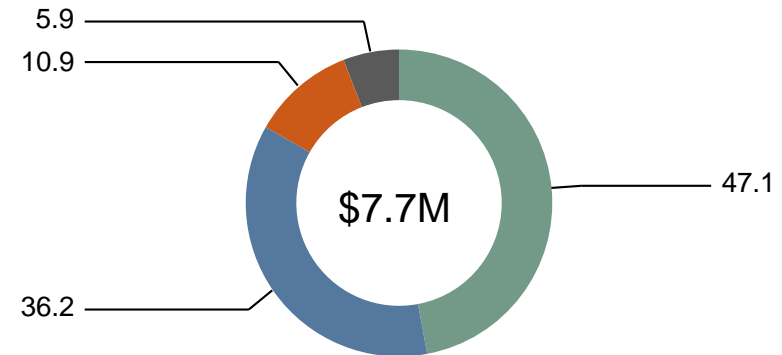


As of: June 30, 2022

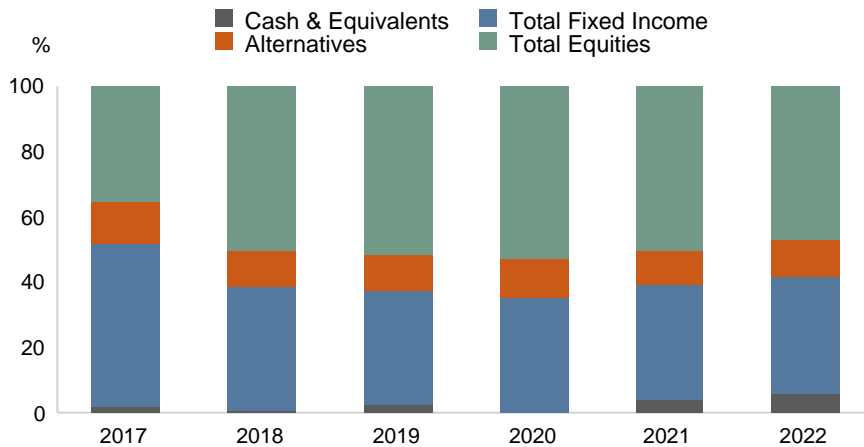
Asset Allocation Summary

Market Value by Asset Class

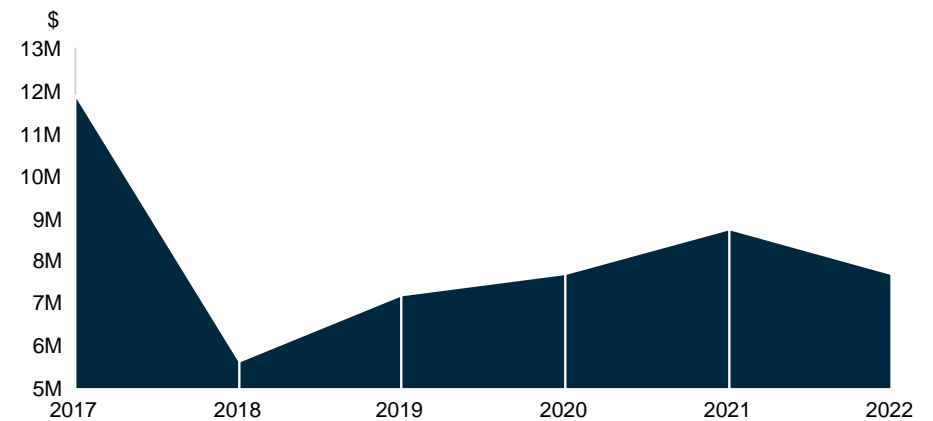
	Market Value	% of Mkt Val
Total Equities	\$ 3,625,682	47.1 %
Total Fixed Income	\$ 2,785,706	36.2 %
Alternatives	\$ 837,824	10.9 %
Cash & Equivalents	\$ 451,144	5.9 %
Total	\$ 7,700,356	100.0 %



Annual Allocation



Annual Ending Market Values



Account Name: EL TORO WATER 401K - INC & GROWTH

Account ID: xxxxx21389



As of: June 30, 2022

Holdings Report w/ Yield and Income

	Ticker	Units	Unit Cost	Total Cost	Price	Market Value	Weight	Unit Income	Annual Income	Current Yield
Alternatives										
Commodities										
DFA COMMODITY STRATEGY INSTITUTIONAL	DCMSX	5,242.397	5.97	31,301.85	5.50	28,833.18	.4	2.15	11,292.12	39.164
Total for Commodities				31,301.85		28,833.18	.4		11,292.12	39.164
Managed Futures										
AMERICAN BEACON AHL MGD FUTS #4815	AHLIX	10,910.002	11.01	120,167.37	11.93	130,156.32	1.7	.47	5,073.15	3.898
NATIXIS ASG MGD FUT CL N #6100	AMFNX	11,396.761	10.52	119,950.26	13.76	156,819.43	2.0	.65	7,419.29	4.731
Total for Managed Futures				240,117.63		286,975.75	3.7		12,492.44	4.353
Merger/Arbitrage										
BLACKROCK EV DRIVEN EQTY FD #0443	BILPX	10,775.524	9.94	107,119.52	9.72	104,738.09	1.4	.00	.00	.000
Total for Merger/Arbitrage				107,119.52		104,738.09	1.4		.00	.000
Multi-Strategy Strategic										
BLACKROCK TOTAL FACTOR K#1994	BSTKX	2,698.825	8.77	23,674.97	8.52	22,993.99	.3	.38	1,012.06	4.401
Total for Multi-Strategy Strategic				23,674.97		22,993.99	.3		1,012.06	4.401
Precious Metals										
ISHARES GOLD TR	IAU	1,842.000	35.97	66,258.73	34.31	63,199.02	.8	.00	.00	.000
Total for Precious Metals				66,258.73		63,199.02	.8		.00	.000
Real Estate - ETFs / Sctr Fds										
ISHARES COHEN & STEERS REIT ETF	ICF	3,276.000	55.92	183,197.22	60.77	199,082.52	2.6	1.20	3,934.48	1.976
Total for Real Estate - ETFs / Sctr Fds				183,197.22		199,082.52	2.6		3,934.48	1.976
Unconstrained Fixed Income										
BLACKROCK STRAT INC OPPS CL K #1944	BSIKX	13,874.659	10.06	139,548.45	9.49	132,001.22	1.7	.25	3,440.92	2.613
Total for Unconstrained Fixed Income				139,548.45		132,001.22	1.7		3,440.92	2.613
Total: Alternatives				791,218.37		837,823.77	10.9		32,172.02	3.841

Account Name: EL TORO WATER 401K - INC & GROWTH

Account ID: xxxxx21389



As of: June 30, 2022

Holdings Report w/ Yield and Income

	Ticker	Units	Unit Cost	Total Cost	Price	Market Value	Weight	Unit Income	Annual Income	Current Yield
Cash										
Cash										
Cash/Pending Trade		-10,283.320	1.00	-10,283.32	1.00	-10,283.32	-.1	.00	.00	.000
Total for Cash				-10,283.32		-10,283.32	-1		.00	.000
Total: Cash				-10,283.32		-10,283.32	-1		.00	.000
Total Equities										
Emerging Market Funds										
HARTFORD SCHRODERS EMRG MKT FD#3150	HHHFX	6,012.022	14.32	86,080.22	15.29	91,923.82	1.2	.27	1,593.19	1.733
VANGUARD FTSE EMRG MRKTS ETF	VWO	2,223.000	45.37	100,846.44	41.65	92,587.95	1.2	1.39	3,089.97	3.337
Total for Emerging Market Funds				186,926.66		184,511.77	2.4		4,683.16	2.538
Foreign Large Blended Funds										
DFA LARGE CAP INTERNATIONAL PORT #28	DFALX	16,073.547	21.04	338,114.09	22.25	357,636.42	4.6	.81	13,035.65	3.645
ISHARES TR HDG MSCI EAFE	HEFA	1,235.000	25.61	31,627.88	31.82	39,297.70	.5	1.39	1,711.71	4.356
Total for Foreign Large Blended Funds				369,741.97		396,934.12	5.2		14,747.36	3.715
Foreign Large Growth Funds										
MFS INTERNATIONAL GROWTH R6 # 4805	MGRDX	2,746.223	30.42	83,535.97	35.19	96,639.59	1.3	.48	1,331.92	1.378
Total for Foreign Large Growth Funds				83,535.97		96,639.59	1.3		1,331.92	1.378
Foreign Large Value Funds										
DODGE & COX INTL STOCK FD(CLSA)#1048	DODFX	2,476.326	40.77	100,955.49	42.55	105,367.67	1.4	1.18	2,914.64	2.766
Total for Foreign Large Value Funds				100,955.49		105,367.67	1.4		2,914.64	2.766
Large-Cap Blended Funds										
COLUMBIA CONTRARIAN CORE CL Y #6262	COFYX	21,060.994	24.84	523,232.24	27.68	582,968.31	7.6	.20	4,317.50	.741
VANGUARD GRO & INC ADMIRAL SHRS #593	VGIAX	7,201.147	78.24	563,383.91	83.76	603,168.07	7.8	1.38	9,937.58	1.648
Total for Large-Cap Blended Funds				1,086,616.15		1,186,136.38	15.4		14,255.09	1.202

Account Name: EL TORO WATER 401K - INC & GROWTH

Account ID: xxxxx21389



As of: June 30, 2022

Holdings Report w/ Yield and Income

	Ticker	Units	Unit Cost	Total Cost	Price	Market Value	Weight	Unit Income	Annual Income	Current Yield
Large-Cap Growth Funds										
	HARBOR CP APPRE RTRMT CL #2512	HNACX	3,977.383	76.06	302,527.73	64.99	258,490.12	3.4	.00	.000
	LEGG MASON CLRBRG LC GWTH CL IS#962	LSITX	4,807.135	55.34	266,023.50	50.87	244,538.96	3.2	.00	.000
Total for Large-Cap Growth Funds				568,551.23		503,029.08	6.5		.00	.000
Large-Cap Value Funds										
	DODGE & COX STOCK FD #145	DODGX	1,474.759	196.16	289,292.66	214.13	315,790.14	4.1	3.04	4,483.27
	ISHARES S&P 500 VALUE ETF	IVE	287.000	131.94	37,866.18	137.46	39,451.02	.5	2.91	834.31
	PIMCO RAE FUNDAMENTAL US INSTL #2155	PKAIX	23,722.540	11.44	271,414.68	11.81	280,163.20	3.6	.17	4,032.83
Total for Large-Cap Value Funds				598,573.52		635,404.36	8.3		9,350.41	1.472
Mid-Cap Blended Funds										
	VANGUARD MID-CAP ETF	VO	210.000	162.46	34,115.93	196.97	41,363.70	.5	2.88	604.80
Total for Mid-Cap Blended Funds				34,115.93		41,363.70	.5		604.80	1.462
Small-Cap Blended Funds										
	DELAWARE SM CAP CORE FD CL R6 # 488	DCZRX	4,649.773	23.83	110,798.41	25.30	117,639.26	1.5	.10	460.33
	VANGUARD SMALL-CAP ETF	VB	625.000	161.64	101,023.06	176.11	110,068.75	1.4	2.82	1,764.38
Total for Small-Cap Blended Funds				211,821.47		227,708.01	3.0		2,224.70	.977
Small-Cap Growth Funds										
	VANGUARD SMALL CAP GR VIPERS	VBK	521.000	255.99	133,369.73	197.03	102,652.63	1.3	.76	397.00
Total for Small-Cap Growth Funds				133,369.73		102,652.63	1.3		397.00	.387
Small-Cap Value Funds										
	UNDISCOVERED MGRS BEHAVL R6 #3467	UBVFX	1,898.460	64.09	121,678.13	76.87	145,934.62	1.9	.91	1,723.80
Total for Small-Cap Value Funds				121,678.13		145,934.62	1.9		1,723.80	1.181
Total: Total Equities				3,495,886.25		3,625,681.93	47.1		52,232.87	1.441
Total Fixed Income										

Account Name: EL TORO WATER 401K - INC & GROWTH

Account ID: xxxxx21389



As of: June 30, 2022

Holdings Report w/ Yield and Income

	Ticker	Units	Unit Cost	Total Cost	Price	Market Value	Weight	Unit Income	Annual Income	Current Yield
Tax Fds - Multi Sector Inc										
	PIMIX	9,163.416	11.93	109,359.07	10.61	97,643.54	1.3	.49	4,508.40	4.637
Total for Tax Fds - Multi Sector Inc				109,359.07		97,643.54	1.3		4,508.40	4.637
Taxable Funds - Int Term										
	DODIX	43,157.009	13.86	597,955.47	12.56	542,052.03	7.0	.27	11,479.76	2.118
	DBLFX	54,471.926	10.90	593,515.71	9.68	528,957.29	6.9	.32	17,267.60	3.275
	PTTRX	58,251.522	10.52	613,029.32	9.00	525,400.44	6.8	.18	10,674.59	2.036
	PTRQX	42,012.278	14.57	612,040.59	12.44	524,234.43	6.8	.46	19,325.65	3.698
Total for Taxable Funds - Int Term				2,416,541.09		2,120,644.19	27.5		58,747.60	2.776
Taxable Funds - Short Term										
	VFSUX	47,904.746	10.80	517,606.87	10.08	483,688.34	6.3	.18	8,814.47	1.825
Total for Taxable Funds - Short Term				517,606.87		483,688.34	6.3		8,814.47	1.825
Taxable Funds - Ultra ST										
	VUSFX	4,237.361	20.14	85,358.39	19.76	83,730.25	1.1	.14	572.04	.683
Total for Taxable Funds - Ultra ST				85,358.39		83,730.25	1.1		572.04	.683
Total: Total Fixed Income				3,128,865.42		2,785,706.32	36.2		72,642.52	2.613
Cash Equivalents										
Cash - Money Market										
	FIGXX	461,078.470	1.00	461,078.47	1.00	461,426.93	6.0	.00	1,221.86	.265
Total for Cash - Money Market				461,078.47		461,426.93	6.0		1,221.86	.265
Total: Cash Equivalents				461,078.47		461,426.93	6.0		1,221.86	.265
Total				7,866,765.19		7,700,355.63	100.0		158,269.26	2.057

Account Name: ETW 401K BALANCED INCOME

Account ID: xxxxx61389

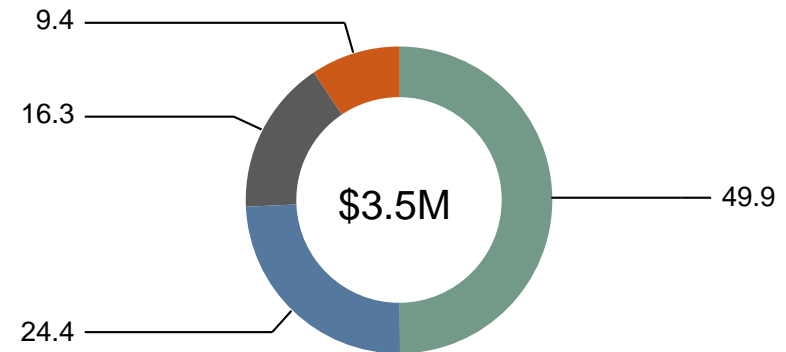


As of: June 30, 2022

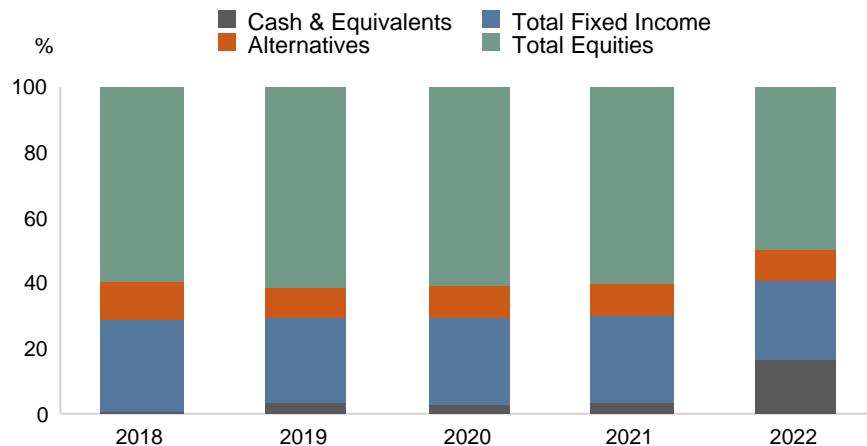
Asset Allocation Summary

Market Value by Asset Class

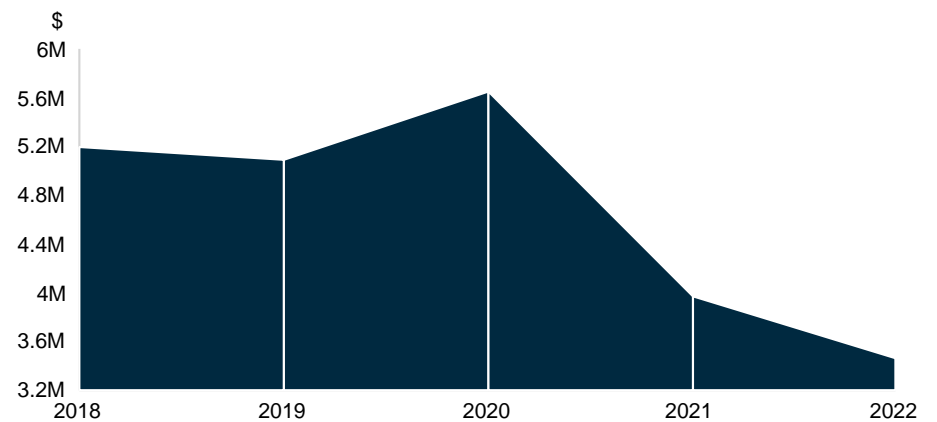
	Market Value	% of Mkt Val
Total Equities	\$ 1,727,599	49.9 %
Total Fixed Income	\$ 844,106	24.4 %
Cash & Equivalents	\$ 564,760	16.3 %
Alternatives	\$ 325,620	9.4 %
Total	\$ 3,462,085	100.0 %



Annual Allocation



Annual Ending Market Values



Account Name: ETW 401K BALANCED INCOME

Account ID: xxxxx61389



As of: June 30, 2022

Holdings Report w/ Yield and Income

	Ticker	Units	Unit Cost	Total Cost	Price	Market Value	Weight	Unit Income	Annual Income	Current Yield
Alternatives										
Commodities										
DFA COMMODITY STRATEGY INSTITUTIONAL	DCMSX	2,080.274	5.97	12,417.67	5.50	11,441.50	.3	2.15	4,480.91	39.164
Total for Commodities				12,417.67		11,441.50	.3		4,480.91	39.164
Managed Futures										
AMERICAN BEACON AHL MGD FUTS #4815	AHLIX	4,477.717	11.00	49,273.29	11.93	53,419.16	1.5	.47	2,082.14	3.898
NATIXIS ASG MGD FUT CL N #6100	AMFNX	4,693.876	9.86	46,290.49	13.76	64,587.73	1.9	.65	3,055.71	4.731
Total for Managed Futures				95,563.78		118,006.89	3.4		5,137.85	4.354
Merger/Arbitrage										
BLACKROCK EV DRIVEN EQTY FD #0443	BILPX	3,529.785	9.90	34,945.00	9.72	34,309.51	1.0	.00	.00	.000
Total for Merger/Arbitrage				34,945.00		34,309.51	1.0		.00	.000
Multi-Strategy Strategic										
BLACKROCK TOTAL FACTOR K#1994	BSTKX	892.306	8.77	7,827.60	8.52	7,602.45	.2	.38	334.61	4.401
Total for Multi-Strategy Strategic				7,827.60		7,602.45	.2		334.61	4.401
Precious Metals										
ISHARES GOLD TR	IAU	818.000	36.62	29,958.43	34.31	28,065.58	.8	.00	.00	.000
Total for Precious Metals				29,958.43		28,065.58	.8		.00	.000
Real Estate - ETFs / Sctr Fds										
ISHARES COHEN & STEERS REIT ETF	ICF	1,300.000	55.08	71,597.70	60.77	79,001.00	2.3	1.20	1,561.30	1.976
Total for Real Estate - ETFs / Sctr Fds				71,597.70		79,001.00	2.3		1,561.30	1.976
Unconstrained Fixed Income										
BLACKROCK STRAT INC OPPS CL K #1944	BSIKX	4,958.825	9.96	49,371.85	9.49	47,192.89	1.4	.25	1,229.79	2.613
Total for Unconstrained Fixed Income				49,371.85		47,192.89	1.4		1,229.79	2.613
Total: Alternatives				301,682.03		325,619.82	9.4		12,744.47	3.916

Account Name: ETW 401K BALANCED INCOME

Account ID: xxxxx61389



As of: June 30, 2022

Holdings Report w/ Yield and Income

	Ticker	Units	Unit Cost	Total Cost	Price	Market Value	Weight	Unit Income	Annual Income	Current Yield
Cash										
Cash										
	Cash/Pending Trade	-3,950.260	1.00	-3,950.26	1.00	-3,950.26	-.1	.00	.00	.000
	Total for Cash			-3,950.26		-3,950.26	-.1		.00	.000
	Total: Cash			-3,950.26		-3,950.26	-.1		.00	.000
Total Equities										
Emerging Market Funds										
	HARTFORD SCHRODERS EMRG MKT FD#3150	2,977.932	16.21	48,259.36	15.29	45,532.58	1.3	.27	789.15	1.733
	VANGUARD FTSE EMRG MRKTS ETF	1,101.000	46.30	50,979.25	41.65	45,856.65	1.3	1.39	1,530.39	3.337
	Total for Emerging Market Funds			99,238.61		91,389.23	2.6		2,319.54	2.538
Foreign Large Blended Funds										
	DFA LARGE CAP INTERNATIONAL PORT #28	7,402.001	21.11	156,229.96	22.25	164,694.52	4.8	.81	6,003.02	3.645
	ISHARES TR HDG MSCI EAFE	986.000	29.60	29,182.27	31.82	31,374.52	.9	1.39	1,366.60	4.356
	Total for Foreign Large Blended Funds			185,412.23		196,069.04	5.7		7,369.62	3.759
Foreign Large Growth Funds										
	MFS INTERNATIONAL GROWTH R6 # 4805	1,415.960	35.87	50,787.60	35.19	49,827.63	1.4	.48	686.74	1.378
	Total for Foreign Large Growth Funds			50,787.60		49,827.63	1.4		686.74	1.378
Foreign Large Value Funds										
	DODGE & COX INTL STOCK FD(CLSD)#1048	1,258.480	43.02	54,135.87	42.55	53,548.32	1.5	1.18	1,481.23	2.766
	Total for Foreign Large Value Funds			54,135.87		53,548.32	1.5		1,481.23	2.766
Large-Cap Blended Funds										
	COLUMBIA CONTRARIAN CORE CL Y #6262	9,885.709	27.95	276,281.11	27.68	273,636.43	7.9	.20	2,026.57	.741
	VANGUARD GRO & INC ADMIRAL SHRS #593	3,201.694	84.60	270,876.73	83.76	268,173.89	7.7	1.38	4,418.34	1.648
	Total for Large-Cap Blended Funds			547,157.84		541,810.32	15.6		6,444.91	1.190

Account Name: ETW 401K BALANCED INCOME

Account ID: xxxxx61389



As of: June 30, 2022

Holdings Report w/ Yield and Income

	Ticker	Units	Unit Cost	Total Cost	Price	Market Value	Weight	Unit Income	Annual Income	Current Yield
Large-Cap Growth Funds										
HARBOR CP APPRE RTRMT CL #2512	HNACX	2,073.761	81.33	168,654.13	64.99	134,773.73	3.9	.00	.00	.000
LEGG MASON CLRBRG LC GWTH CL IS#962	LSITX	2,159.158	55.12	119,002.07	50.87	109,836.37	3.2	.00	.00	.000
Total for Large-Cap Growth Funds				287,656.20		244,610.10	7.1		.00	.000
Large-Cap Value Funds										
DODGE & COX STOCK FD #145	DODGX	657.848	201.60	132,623.56	214.13	140,864.99	4.1	3.04	1,999.86	1.420
ISHARES S&P 500 VALUE ETF	IVE	221.000	129.15	28,542.51	137.46	30,378.66	.9	2.91	642.45	2.115
PIMCO RAE FUNDAMENTAL US INSTL #2155	PKAIX	11,131.546	11.69	130,111.81	11.81	131,463.56	3.8	.17	1,892.36	1.439
Total for Large-Cap Value Funds				291,277.88		302,707.21	8.7		4,534.67	1.498
Mid-Cap Blended Funds										
VANGUARD MID-CAP ETF	VO	136.000	162.51	22,100.91	196.97	26,787.92	.8	2.88	391.68	1.462
Total for Mid-Cap Blended Funds				22,100.91		26,787.92	.8		391.68	1.462
Small-Cap Blended Funds										
DELAWARE SM CAP CORE FD CL R6 # 488	DCZRX	1,509.882	24.97	37,699.45	25.30	38,200.01	1.1	.10	149.48	.391
VANGUARD SMALL-CAP ETF	VB	257.000	146.62	37,681.97	176.11	45,260.27	1.3	2.82	725.51	1.603
Total for Small-Cap Blended Funds				75,381.42		83,460.28	2.4		874.99	1.048
Small-Cap Growth Funds										
VANGUARD SMALL CAP GR VIPERS	VBK	277.000	242.96	67,299.46	197.03	54,577.31	1.6	.76	211.07	.387
Total for Small-Cap Growth Funds				67,299.46		54,577.31	1.6		211.07	.387
Small-Cap Value Funds										
UNDISCOVERED MGRS BEHAVL R6 #3467	UBVFX	1,077.297	69.31	74,672.74	76.87	82,811.82	2.4	.91	978.19	1.181
Total for Small-Cap Value Funds				74,672.74		82,811.82	2.4		978.19	1.181
Total: Total Equities				1,755,120.76		1,727,599.18	49.9		25,292.64	1.464
Total Fixed Income										

Account Name: ETW 401K BALANCED INCOME

Account ID: xxxxx61389



As of: June 30, 2022

Holdings Report w/ Yield and Income

	Ticker	Units	Unit Cost	Total Cost	Price	Market Value	Weight	Unit Income	Annual Income	Current Yield
Tax Fds - Multi Sector Inc										
	PIMIX	3,468.324	11.92	41,344.87	10.61	36,977.77	1.1	.49	1,706.42	4.637
Total for Tax Fds - Multi Sector Inc				41,344.87		36,977.77	1.1		1,706.42	4.637
Taxable Funds - Int Term										
	DODIX	12,251.756	13.56	166,122.35	12.56	153,882.06	4.4	.27	3,258.97	2.118
	DBLFX	15,164.763	10.72	162,536.97	9.68	147,259.56	4.3	.32	4,807.23	3.275
	PTTRX	16,650.556	10.03	167,052.50	9.00	150,221.45	4.3	.18	3,051.21	2.036
	PTRQX	12,056.960	14.12	170,261.04	12.44	150,508.56	4.3	.46	5,546.20	3.698
Total for Taxable Funds - Int Term				665,972.86		601,871.63	17.4		16,663.61	2.775
Taxable Funds - Short Term										
	PYSBX	.023	10.00	.23	9.57	.22	.0	.12	.00	1.227
	VFSUX	15,740.757	10.72	168,806.71	10.08	158,966.03	4.6	.18	2,896.30	1.825
Total for Taxable Funds - Short Term				168,806.94		158,966.25	4.6		2,896.30	1.825
Taxable Funds - Ultra ST										
	VUSFX	2,342.624	20.16	47,224.85	19.76	46,290.25	1.3	.14	316.25	.683
Total for Taxable Funds - Ultra ST				47,224.85		46,290.25	1.3		316.25	.683
Total: Total Fixed Income				923,349.52		844,105.90	24.4		21,582.58	2.562
Cash Equivalents										
Cash - Money Market										
	FIGXX	568,555.650	1.00	568,555.65	1.00	568,710.59	16.4	.00	1,506.67	.265
Total for Cash - Money Market				568,555.65		568,710.59	16.4		1,506.67	.265
Total: Cash Equivalents				568,555.65		568,710.59	16.4		1,506.67	.265
Total				3,544,757.70		3,462,085.23	100.0		61,126.36	1.767

Account Name: EL TORO WATER 401K - BALANCED

Account ID: xxxxx31389

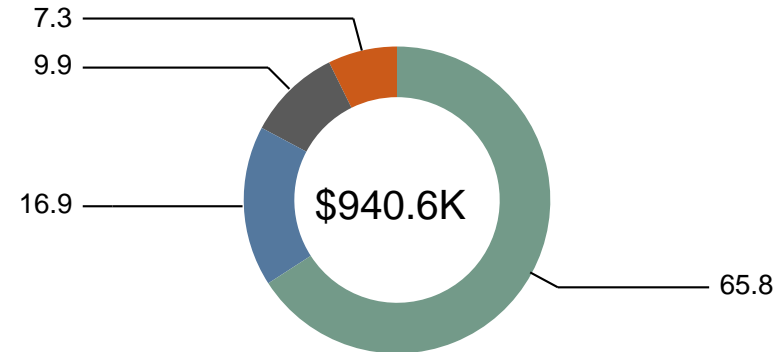


As of: June 30, 2022

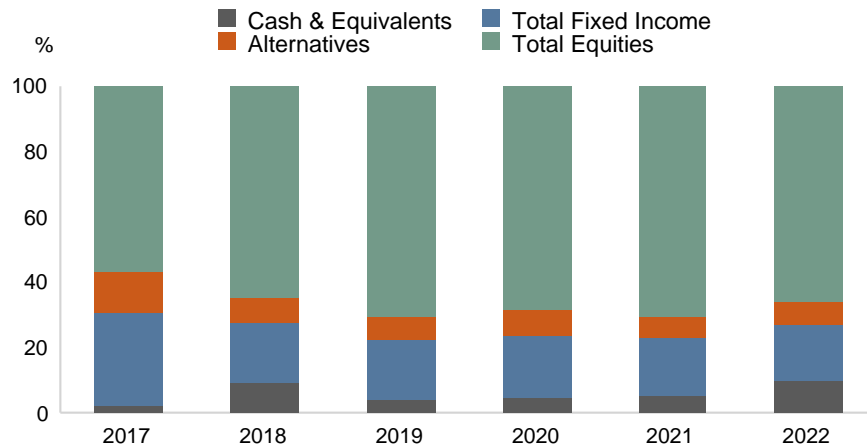
Asset Allocation Summary

Market Value by Asset Class

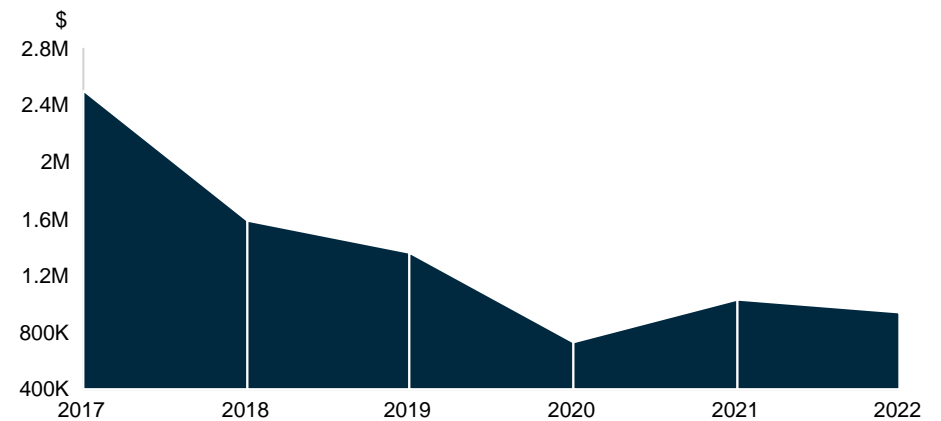
	Market Value	% of Mkt Val
Total Equities	\$ 619,316	65.8 %
Total Fixed Income	\$ 159,334	16.9 %
Cash & Equivalents	\$ 93,500	9.9 %
Alternatives	\$ 68,453	7.3 %
Total	\$ 940,604	100.0 %



Annual Allocation



Annual Ending Market Values



Account Name: EL TORO WATER 401K - BALANCED

Account ID: xxxxx31389



As of: June 30, 2022

Holdings Report w/ Yield and Income

	Ticker	Units	Unit Cost	Total Cost	Price	Market Value	Weight	Unit Income	Annual Income	Current Yield
Alternatives										
Commodities										
DFA COMMODITY STRATEGY INSTITUTIONAL	DCMSX	633.496	5.97	3,782.42	5.50	3,484.23	.4	2.15	1,364.55	39.164
Total for Commodities				3,782.42		3,484.23	.4		1,364.55	39.164
Managed Futures										
AMERICAN BEACON AHL MGD FUTS #4815	AHLIX	816.850	11.12	9,080.13	11.93	9,745.02	1.0	.47	379.84	3.898
NATIXIS ASG MGD FUT CL N #6100	AMFNX	848.233	10.52	8,919.53	13.76	11,671.69	1.2	.65	552.20	4.731
Total for Managed Futures				17,999.66		21,416.71	2.3		932.04	4.352
Merger/Arbitrage										
BLACKROCK EV DRIVEN EQTY FD #0443	BILPX	791.014	9.94	7,862.24	9.72	7,688.66	.8	.00	.00	.000
Total for Merger/Arbitrage				7,862.24		7,688.66	.8		.00	.000
Multi-Strategy Strategic										
BLACKROCK TOTAL FACTOR K#1994	BSTKX	319.907	8.77	2,806.33	8.52	2,725.61	.3	.38	119.97	4.401
Total for Multi-Strategy Strategic				2,806.33		2,725.61	.3		119.97	4.401
Precious Metals										
ISHARES GOLD TR	IAU	180.000	35.71	6,427.88	34.31	6,175.80	.7	.00	.00	.000
Total for Precious Metals				6,427.88		6,175.80	.7		.00	.000
Real Estate - ETFs / Sctr Fds										
ISHARES COHEN & STEERS REIT ETF	ICF	291.000	55.90	16,268.24	60.77	17,684.07	1.9	1.20	349.49	1.976
Total for Real Estate - ETFs / Sctr Fds				16,268.24		17,684.07	1.9		349.49	1.976
Unconstrained Fixed Income										
BLACKROCK STRAT INC OPPS CL K #1944	BSIKX	975.213	9.95	9,706.11	9.49	9,278.00	1.0	.25	241.85	2.613
Total for Unconstrained Fixed Income				9,706.11		9,278.00	1.0		241.85	2.613
Total: Alternatives				64,852.88		68,453.08	7.3		3,007.89	4.396

Account Name: EL TORO WATER 401K - BALANCED

Account ID: xxxxx31389



As of: June 30, 2022

Holdings Report w/ Yield and Income

	Ticker	Units	Unit Cost	Total Cost	Price	Market Value	Weight	Unit Income	Annual Income	Current Yield
Cash										
Cash										
Cash/Pending Trade		-1,047.150	1.00	-1,047.15	1.00	-1,047.15	-.1	.00	.00	.000
Total for Cash				-1,047.15		-1,047.15	-.1		.00	.000
Total: Cash				-1,047.15		-1,047.15	-.1		.00	.000
Total Equities										
Emerging Market Funds										
HARTFORD SCHRODERS EMRG MKT FD#3150	HHHFX	1,063.393	15.50	16,486.07	15.29	16,259.28	1.7	.27	281.80	1.733
VANGUARD FTSE EMRG MRKTS ETF	VWO	393.000	48.26	18,965.61	41.65	16,368.45	1.7	1.39	546.27	3.337
Total for Emerging Market Funds				35,451.68		32,627.73	3.5		828.07	2.538
Foreign Large Blended Funds										
DFA LARGE CAP INTERNATIONAL PORT #28	DFALX	2,552.997	21.81	55,690.84	22.25	56,804.18	6.0	.81	2,070.48	3.645
ISHARES TR HDG MSCI EAFE	HEFA	421.000	26.29	11,069.29	31.82	13,396.22	1.4	1.39	583.51	4.356
Total for Foreign Large Blended Funds				66,760.13		70,200.40	7.5		2,653.99	3.781
Foreign Large Growth Funds										
MFS INTERNATIONAL GROWTH R6 # 4805	MGRDX	456.755	33.18	15,153.89	35.19	16,073.21	1.7	.48	221.53	1.378
Total for Foreign Large Growth Funds				15,153.89		16,073.21	1.7		221.53	1.378
Foreign Large Value Funds										
DODGE & COX INTL STOCK FD(CLSF)#1048	DODFX	411.097	41.30	16,976.84	42.55	17,492.18	1.9	1.18	483.86	2.766
Total for Foreign Large Value Funds				16,976.84		17,492.18	1.9		483.86	2.766
Large-Cap Blended Funds										
COLUMBIA CONTRARIAN CORE CL Y #6262	COFYX	3,560.155	25.91	92,244.03	27.68	98,545.09	10.5	.20	729.83	.741
VANGUARD GRO & INC ADMIRAL SHRS #593	VGIAX	1,219.735	82.78	100,970.15	83.76	102,165.00	10.9	1.38	1,683.23	1.648
Total for Large-Cap Blended Funds				193,214.18		200,710.09	21.3		2,413.07	1.202

Account Name: EL TORO WATER 401K - BALANCED

Account ID: xxxxx31389



As of: June 30, 2022

Holdings Report w/ Yield and Income

	Ticker	Units	Unit Cost	Total Cost	Price	Market Value	Weight	Unit Income	Annual Income	Current Yield
Large-Cap Growth Funds										
	HARBOR CP APPRE RTRMT CL #2512	HNACX	609.164	77.07	46,950.02	64.99	39,589.57	4.2	.00	.000
	LEGG MASON CLRBRG LC GWTH CL IS#962	LSITX	850.300	56.57	48,102.58	50.87	43,254.76	4.6	.00	.000
Total for Large-Cap Growth Funds				95,052.60		82,844.33	8.8		.00	.000
Large-Cap Value Funds										
	DODGE & COX STOCK FD #145	DODGX	238.159	198.42	47,255.27	214.13	50,996.99	5.4	3.04	724.00
	ISHARES S&P 500 VALUE ETF	IVE	96.000	134.34	12,896.74	137.46	13,196.16	1.4	2.91	279.07
	PIMCO RAE FUNDAMENTAL US INSTL #2155	PKAIX	3,916.612	11.63	45,545.15	11.81	46,255.19	4.9	.17	665.82
Total for Large-Cap Value Funds				105,697.16		110,448.34	11.7		1,668.90	1.511
Mid-Cap Blended Funds										
	VANGUARD MID-CAP ETF	VO	41.000	178.16	7,304.38	196.97	8,075.77	.9	2.88	118.08
Total for Mid-Cap Blended Funds				7,304.38		8,075.77	.9		118.08	1.462
Small-Cap Blended Funds										
	DELAWARE SM CAP CORE FD CL R6 # 488	DCZRX	607.584	25.62	15,567.40	25.30	15,371.88	1.6	.10	60.15
	VANGUARD SMALL-CAP ETF	VB	82.000	168.31	13,801.60	176.11	14,441.02	1.5	2.82	231.49
Total for Small-Cap Blended Funds				29,369.00		29,812.90	3.2		291.64	.978
Small-Cap Growth Funds										
	VANGUARD SMALL CAP GR VIPERS	VBK	103.000	245.93	25,330.29	197.03	20,294.09	2.2	.76	78.49
Total for Small-Cap Growth Funds				25,330.29		20,294.09	2.2		78.49	.387
Small-Cap Value Funds										
	UNDISCOVERED MGRS BEHAVL R6 #3467	UBVFX	399.860	66.17	26,460.65	76.87	30,737.24	3.3	.91	363.07
Total for Small-Cap Value Funds				26,460.65		30,737.24	3.3		363.07	1.181
Total: Total Equities				616,770.80		619,316.28	65.8		9,120.68	1.473
Total Fixed Income										

Account Name: EL TORO WATER 401K - BALANCED

Account ID: xxxxx31389



As of: June 30, 2022

Holdings Report w/ Yield and Income

	Ticker	Units	Unit Cost	Total Cost	Price	Market Value	Weight	Unit Income	Annual Income	Current Yield
Tax Fds - Multi Sector Inc										
	PIMIX	828.866	11.94	9,898.44	10.61	8,832.32	.9	.49	407.80	4.637
Total for Tax Fds - Multi Sector Inc				9,898.44		8,832.32	.9		407.80	4.637
Taxable Funds - Int Term										
	DODIX	2,502.279	13.91	34,808.77	12.56	31,428.62	3.3	.27	665.61	2.118
	DBLFX	3,102.098	10.91	33,849.86	9.68	30,123.36	3.2	.32	983.37	3.275
	PTTRX	3,387.607	10.44	35,360.31	9.00	30,554.57	3.2	.18	620.78	2.036
	PTRQX	2,417.429	14.56	35,194.05	12.44	30,164.98	3.2	.46	1,112.02	3.698
Total for Taxable Funds - Int Term				139,212.99		122,271.53	13.0		3,381.77	2.772
Taxable Funds - Short Term										
	VFSUX	2,795.932	10.80	30,193.76	10.08	28,230.18	3.0	.18	514.45	1.825
Total for Taxable Funds - Short Term				30,193.76		28,230.18	3.0		514.45	1.825
Total: Total Fixed Income				179,305.19		159,334.03	16.9		4,304.02	2.707
Cash Equivalents										
Cash - Money Market										
	FIGXX	94,477.850	1.00	94,477.85	1.00	94,547.50	10.1	.00	250.37	.265
Total for Cash - Money Market				94,477.85		94,547.50	10.1		250.37	.265
Total: Cash Equivalents				94,477.85		94,547.50	10.1		250.37	.265
Total				954,359.57		940,603.74	100.0		16,682.97	1.774

Account Name: ETW 401K CAPITAL APPRECIATION

Account ID: xxxxx71389

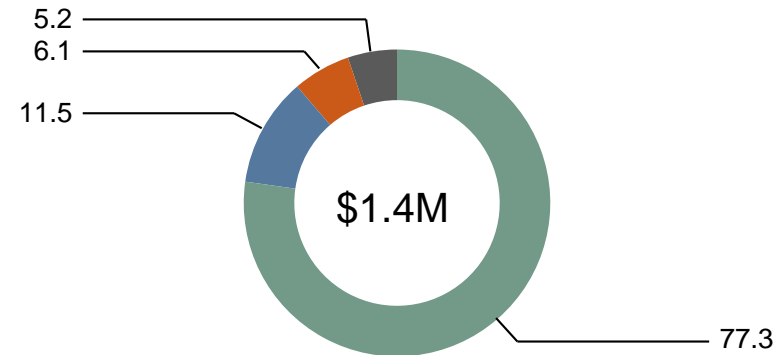


As of: June 30, 2022

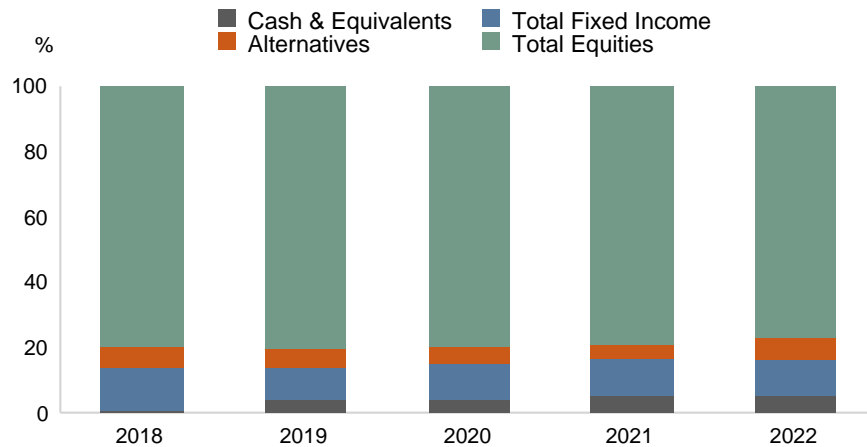
Asset Allocation Summary

Market Value by Asset Class

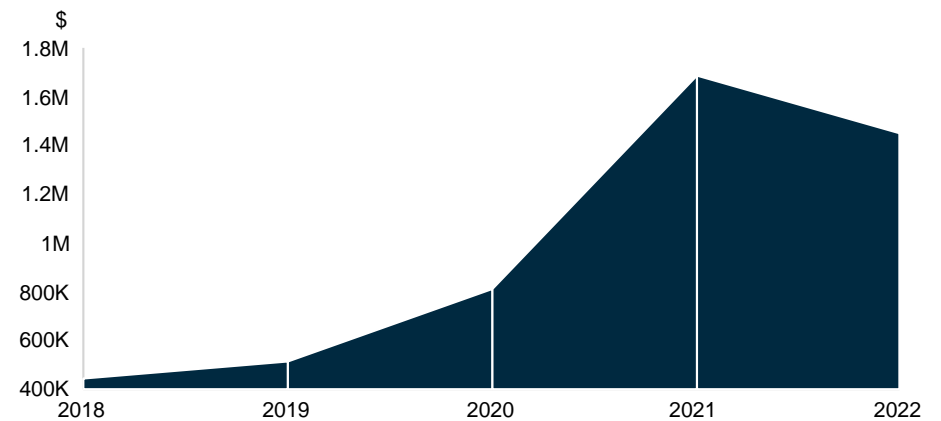
	Market Value	% of Mkt Val
Total Equities	\$ 1,119,282	77.3 %
Total Fixed Income	\$ 166,181	11.5 %
Alternatives	\$ 88,331	6.1 %
Cash & Equivalents	\$ 75,054	5.2 %
Total	\$ 1,448,848	100.0 %



Annual Allocation



Annual Ending Market Values



Account Name: ETW 401K CAPITAL APPRECIATION

Account ID: xxxxx71389



As of: June 30, 2022

Holdings Report w/ Yield and Income

	Ticker	Units	Unit Cost	Total Cost	Price	Market Value	Weight	Unit Income	Annual Income	Current Yield
Alternatives										
Commodities										
DFA COMMODITY STRATEGY INSTITUTIONAL	DCMSX	995.073	5.97	5,936.16	5.50	5,472.90	.4	2.15	2,143.39	39.164
Total for Commodities				5,936.16		5,472.90	.4		2,143.39	39.164
Managed Futures										
AMERICAN BEACON AHL MGD FUTS #4815	AHLIX	732.469	11.23	8,228.72	11.93	8,738.36	.6	.47	340.60	3.898
NATIXIS ASG MGD FUT CL N #6100	AMFNX	765.152	10.24	7,831.89	13.76	10,528.49	.7	.65	498.11	4.731
Total for Managed Futures				16,060.61		19,266.85	1.3		838.71	4.353
Merger/Arbitrage										
BLACKROCK EV DRIVEN EQTY FD #0443	BILPX	1,196.123	9.88	11,818.55	9.72	11,626.32	.8	.00	.00	.000
Total for Merger/Arbitrage				11,818.55		11,626.32	.8		.00	.000
Multi-Strategy Strategic										
BLACKROCK TOTAL FACTOR K#1994	BSTKX	260.595	9.00	2,345.32	8.52	2,220.27	.2	.38	97.72	4.401
Total for Multi-Strategy Strategic				2,345.32		2,220.27	.2		97.72	4.401
Precious Metals										
ISHARES GOLD TR	IAU	283.000	35.54	10,059.22	34.31	9,709.73	.7	.00	.00	.000
Total for Precious Metals				10,059.22		9,709.73	.7		.00	.000
Real Estate - ETFs / Sctr Fds										
ISHARES COHEN & STEERS REIT ETF	ICF	474.000	59.69	28,294.05	60.77	28,804.98	2.0	1.20	569.27	1.976
Total for Real Estate - ETFs / Sctr Fds				28,294.05		28,804.98	2.0		569.27	1.976
Unconstrained Fixed Income										
BLACKROCK STRAT INC OPPS CL K #1944	BSIKX	1,180.379	10.09	11,904.99	9.49	11,229.92	.8	.25	292.73	2.613
Total for Unconstrained Fixed Income				11,904.99		11,229.92	.8		292.73	2.613
Total: Alternatives				86,418.90		88,330.97	6.1		3,941.83	4.464

Account Name: ETW 401K CAPITAL APPRECIATION

Account ID: xxxxx71389



As of: June 30, 2022

Holdings Report w/ Yield and Income

	Ticker	Units	Unit Cost	Total Cost	Price	Market Value	Weight	Unit Income	Annual Income	Current Yield
Cash										
Cash										
Cash/Pending Trade		-1,794.980	1.00	-1,794.98	1.00	-1,794.98	-.1	.00	.00	.000
Total for Cash				-1,794.98		-1,794.98	-1		.00	.000
Total: Cash				-1,794.98		-1,794.98	-1		.00	.000
Total Equities										
Emerging Market Funds										
HARTFORD SCHRODERS EMRG MKT FD#3150	HHHFX	1,878.037	16.68	31,333.43	15.29	28,715.19	2.0	.27	497.68	1.733
VANGUARD FTSE EMRG MRKTS ETF	VWO	745.000	52.71	39,265.95	41.65	31,029.25	2.1	1.39	1,035.55	3.337
Total for Emerging Market Funds				70,599.38		59,744.44	4.1		1,533.23	2.566
Foreign Large Blended Funds										
DFA LARGE CAP INTERNATIONAL PORT #28	DFALX	5,406.126	23.87	129,040.05	22.25	120,286.30	8.3	.81	4,384.37	3.645
ISHARES TR HDG MSCI EAFE	HEFA	478.000	29.17	13,941.07	31.82	15,209.96	1.0	1.39	662.51	4.356
Total for Foreign Large Blended Funds				142,981.12		135,496.26	9.4		5,046.88	3.725
Foreign Large Growth Funds										
MFS INTERNATIONAL GROWTH R6 # 4805	MGRDX	512.540	36.16	18,534.58	35.19	18,036.28	1.2	.48	248.58	1.378
Total for Foreign Large Growth Funds				18,534.58		18,036.28	1.2		248.58	1.378
Foreign Large Value Funds										
DODGE & COX INTL STOCK FD(CLSL)#1048	DODFX	475.778	41.12	19,562.57	42.55	20,244.35	1.4	1.18	559.99	2.766
Total for Foreign Large Value Funds				19,562.57		20,244.35	1.4		559.99	2.766
Large-Cap Blended Funds										
COLUMBIA CONTRARIAN CORE CL Y #6262	COFYX	6,310.419	31.07	196,044.24	27.68	174,672.40	12.1	.20	1,293.64	.741
VANGUARD GRO & INC ADMIRAL SHRS #593	VGIAX	2,141.442	94.11	201,538.53	83.76	179,367.18	12.4	1.38	2,955.19	1.648
Total for Large-Cap Blended Funds				397,582.77		354,039.58	24.4		4,248.83	1.200

Account Name: ETW 401K CAPITAL APPRECIATION

Account ID: xxxxx71389



As of: June 30, 2022

Holdings Report w/ Yield and Income

	Ticker	Units	Unit Cost	Total Cost	Price	Market Value	Weight	Unit Income	Annual Income	Current Yield
Large-Cap Growth Funds										
	HARBOR CP APPRE RTRMT CL #2512	HNACX	1,239.184	93.26	115,561.38	64.99	80,534.57	5.6	.00	.000
	LEGG MASON CLRBRG LC GWTH CL IS#962	LSITX	1,581.060	65.62	103,748.27	50.87	80,428.52	5.6	.00	.000
Total for Large-Cap Growth Funds				219,309.65		160,963.09	11.1		.00	.000
Large-Cap Value Funds										
	DODGE & COX STOCK FD #145	DODGX	465.162	212.47	98,834.18	214.13	99,605.14	6.9	3.04	1,414.09
	ISHARES S&P 500 VALUE ETF	IVE	183.000	134.04	24,529.63	137.46	25,155.18	1.7	2.91	531.98
	PIMCO RAE FUNDAMENTAL US INSTL #2155	PKAIX	7,078.470	12.22	86,493.28	11.81	83,596.73	5.8	.17	1,203.34
Total for Large-Cap Value Funds				209,857.09		208,357.05	14.4		3,149.41	1.512
Mid-Cap Blended Funds										
	VANGUARD MID-CAP ETF	VO	66.000	201.28	13,284.67	196.97	13,000.02	.9	2.88	190.08
Total for Mid-Cap Blended Funds				13,284.67		13,000.02	.9		190.08	1.462
Small-Cap Blended Funds										
	DELAWARE SM CAP CORE FD CL R6 # 488	DCZRX	1,059.734	27.39	29,027.38	25.30	26,811.27	1.9	.10	104.91
	VANGUARD SMALL-CAP ETF	VB	145.000	181.72	26,349.75	176.11	25,535.95	1.8	2.82	409.33
Total for Small-Cap Blended Funds				55,377.13		52,347.22	3.6		514.25	.982
Small-Cap Growth Funds										
	VANGUARD SMALL CAP GR VIPERS	VBK	200.000	261.50	52,299.80	197.03	39,406.00	2.7	.76	152.40
Total for Small-Cap Growth Funds				52,299.80		39,406.00	2.7		152.40	.387
Small-Cap Value Funds										
	UNDISCOVERED MGRS BEHAVL R6 #3467	UBVFX	749.936	69.48	52,107.97	76.87	57,647.58	4.0	.91	680.94
Total for Small-Cap Value Funds				52,107.97		57,647.58	4.0		680.94	1.181
Total: Total Equities				1,251,496.73		1,119,281.87	77.3		16,324.59	1.458
Total Fixed Income										

Account Name: ETW 401K CAPITAL APPRECIATION

Account ID: xxxxx71389



As of: June 30, 2022

Holdings Report w/ Yield and Income

	Ticker	Units	Unit Cost	Total Cost	Price	Market Value	Weight	Unit Income	Annual Income	Current Yield
Tax Fds - Multi Sector Inc										
	PIMIX	717.112	11.94	8,561.56	10.61	7,641.31	.5	.49	352.82	4.637
Total for Tax Fds - Multi Sector Inc				8,561.56		7,641.31	.5		352.82	4.637
Taxable Funds - Int Term										
	DODIX	2,307.329	14.04	32,399.23	12.56	28,980.05	2.0	.27	613.75	2.118
	DBLFX	2,847.666	10.94	31,148.83	9.68	27,652.66	1.9	.32	902.71	3.275
	PTTRX	3,108.951	10.27	31,937.73	9.00	28,041.24	1.9	.18	569.72	2.036
	PTRQX	2,247.216	14.43	32,437.88	12.44	28,041.04	1.9	.46	1,033.72	3.698
Total for Taxable Funds - Int Term				127,923.67		112,714.99	7.8		3,119.89	2.774
Taxable Funds - Short Term										
	VFSUX	2,948.114	10.88	32,062.57	10.08	29,766.71	2.1	.18	542.45	1.825
Total for Taxable Funds - Short Term				32,062.57		29,766.71	2.1		542.45	1.825
Taxable Funds - Ultra ST										
	VUSFX	812.672	20.16	16,380.65	19.76	16,058.40	1.1	.14	109.71	.683
Total for Taxable Funds - Ultra ST				16,380.65		16,058.40	1.1		109.71	.683
Total: Total Fixed Income				184,928.45		166,181.41	11.5		4,124.88	2.487
Cash Equivalents										
Cash - Money Market										
	FIGXX	76,791.630	1.00	76,791.63	1.00	76,848.84	5.3	.00	203.50	.265
Total for Cash - Money Market				76,791.63		76,848.84	5.3		203.50	.265
Total: Cash Equivalents				76,791.63		76,848.84	5.3		203.50	.265
Total				1,597,840.73		1,448,848.11	100.0		24,594.79	1.698

Account Name: EL TORO WATER 401K - GROWTH

Account ID: xxxxx41389

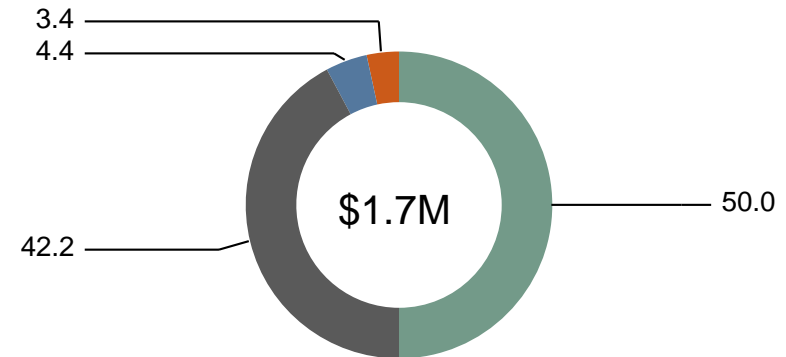


As of: June 30, 2022

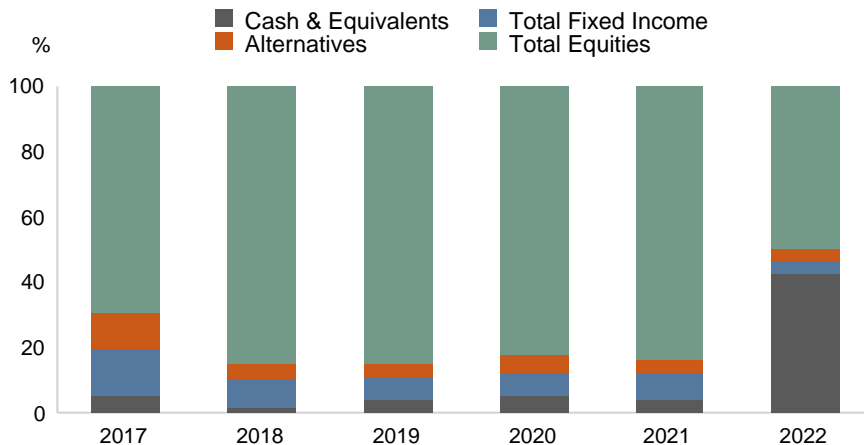
Asset Allocation Summary

Market Value by Asset Class

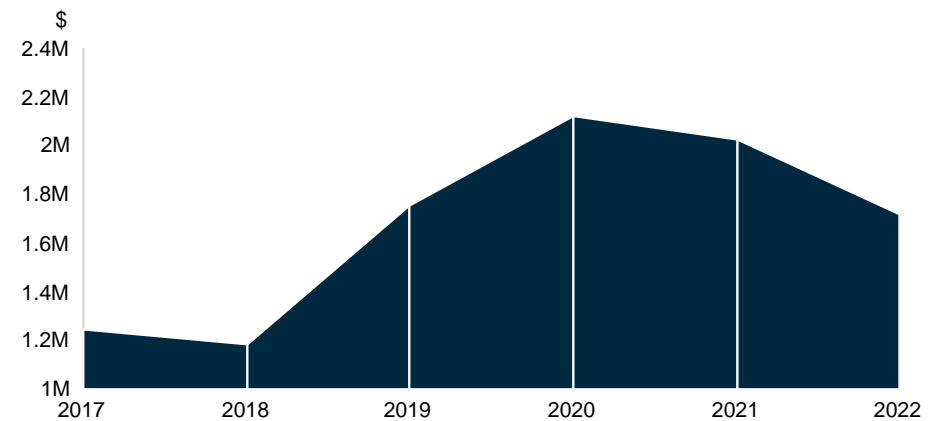
	Market Value	% of Mkt Val
Total Equities	\$ 856,708	50.0 %
Cash & Equivalents	\$ 723,518	42.2 %
Total Fixed Income	\$ 75,306	4.4 %
Alternatives	\$ 59,081	3.4 %
Total	\$ 1,714,613	100.0 %



Annual Allocation



Annual Ending Market Values



Account Name: EL TORO WATER 401K - GROWTH

Account ID: xxxxx41389



As of: June 30, 2022

Holdings Report w/ Yield and Income

	Ticker	Units	Unit Cost	Total Cost	Price	Market Value	Weight	Unit Income	Annual Income	Current Yield
Alternatives										
Commodities										
DFA COMMODITY STRATEGY INSTITUTIONAL	DCMSX	735.785	5.97	4,390.67	5.50	4,046.81	.2	2.15	1,584.88	39.164
Total for Commodities				4,390.67		4,046.81	.2		1,584.88	39.164
Managed Futures										
AMERICAN BEACON AHL MGD FUTS #4815	AHLIX	330.897	10.95	3,624.93	11.93	3,947.60	.2	.47	153.87	3.898
NATIXIS ASG MGD FUT CL N #6100	AMFNX	661.342	10.35	6,842.63	13.76	9,100.07	.5	.65	430.53	4.731
Total for Managed Futures				10,467.56		13,047.67	.8		584.40	4.479
Merger/Arbitrage										
BLACKROCK EV DRIVEN EQTY FD #0443	BILPX	787.210	9.84	7,745.08	9.72	7,651.68	.4	.00	.00	.000
Total for Merger/Arbitrage				7,745.08		7,651.68	.4		.00	.000
Multi-Strategy Strategic										
BLACKROCK TOTAL FACTOR K#1994	BSTKX	214.339	8.77	1,880.25	8.52	1,826.17	.1	.38	80.38	4.401
Total for Multi-Strategy Strategic				1,880.25		1,826.17	.1		80.38	4.401
Precious Metals										
ISHARES GOLD TR	IAU	161.000	35.87	5,775.66	34.31	5,523.91	.3	.00	.00	.000
Total for Precious Metals				5,775.66		5,523.91	.3		.00	.000
Real Estate - ETFs / Sctr Fds										
ISHARES COHEN & STEERS REIT ETF	ICF	324.000	56.90	18,434.65	60.77	19,689.48	1.1	1.20	389.12	1.976
Total for Real Estate - ETFs / Sctr Fds				18,434.65		19,689.48	1.1		389.12	1.976
Unconstrained Fixed Income										
BLACKROCK STRAT INC OPPS CL K #1944	BSIKX	765.577	9.94	7,609.73	9.49	7,295.45	.4	.25	189.86	2.613
Total for Unconstrained Fixed Income				7,609.73		7,295.45	.4		189.86	2.613
Total: Alternatives				56,303.60		59,081.17	3.4		2,828.65	4.790

Account Name: EL TORO WATER 401K - GROWTH

Account ID: xxxxx41389



As of: June 30, 2022

Holdings Report w/ Yield and Income

	Ticker	Units	Unit Cost	Total Cost	Price	Market Value	Weight	Unit Income	Annual Income	Current Yield
Cash										
Cash										
Cash/Pending Trade		-1,183.190	1.00	-1,183.19	1.00	-1,183.19	-.1	.00	.00	.000
Total for Cash				-1,183.19		-1,183.19	-1		.00	.000
Total: Cash				-1,183.19		-1,183.19	-1		.00	.000
Total Equities										
Emerging Market Funds										
HARTFORD SCHRODERS EMRG MKT FD#3150	HHHFX	1,479.748	16.15	23,897.63	15.29	22,625.35	1.3	.27	392.13	1.733
VANGUARD FTSE EMRG MRKTS ETF	VWO	547.000	45.05	24,640.03	41.65	22,782.55	1.3	1.39	760.33	3.337
Total for Emerging Market Funds				48,537.66		45,407.90	2.6		1,152.46	2.538
Foreign Large Blended Funds										
DFA LARGE CAP INTERNATIONAL PORT #28	DFALX	3,415.101	21.35	72,902.46	22.25	75,986.00	4.4	.81	2,769.65	3.645
ISHARES TR HDG MSCI EAFE	HEFA	611.000	26.42	16,144.44	31.82	19,442.02	1.1	1.39	846.85	4.356
Total for Foreign Large Blended Funds				89,046.90		95,428.02	5.6		3,616.49	3.790
Foreign Large Growth Funds										
MFS INTERNATIONAL GROWTH R6 # 4805	MGRDX	580.447	32.56	18,897.58	35.19	20,425.93	1.2	.48	281.52	1.378
Total for Foreign Large Growth Funds				18,897.58		20,425.93	1.2		281.52	1.378
Foreign Large Value Funds										
DODGE & COX INTL STOCK FD(CLSA)#1048	DODFX	473.428	41.28	19,541.67	42.55	20,144.36	1.2	1.18	557.22	2.766
Total for Foreign Large Value Funds				19,541.67		20,144.36	1.2		557.22	2.766
Large-Cap Blended Funds										
COLUMBIA CONTRARIAN CORE CL Y #6262	COFYX	4,720.382	26.36	124,413.86	27.68	130,660.17	7.6	.20	967.68	.741
VANGUARD GRO & INC ADMIRAL SHRS #593	VGIAX	1,619.710	82.65	133,863.91	83.76	135,666.91	7.9	1.38	2,235.20	1.648
Total for Large-Cap Blended Funds				258,277.77		266,327.08	15.5		3,202.88	1.203

Account Name: EL TORO WATER 401K - GROWTH

Account ID: xxxxx41389



As of: June 30, 2022

Holdings Report w/ Yield and Income

	Ticker	Units	Unit Cost	Total Cost	Price	Market Value	Weight	Unit Income	Annual Income	Current Yield
Large-Cap Growth Funds										
HARBOR CP APPRE RTRMT CL #2512	HNACX	984.259	80.46	79,195.19	64.99	63,966.99	3.7	.00	.00	.000
LEGG MASON CLRBRG LC GWTH CL IS#962	LSITX	1,215.585	56.79	69,028.70	50.87	61,836.81	3.6	.00	.00	.000
Total for Large-Cap Growth Funds				148,223.89		125,803.80	7.3		.00	.000
Large-Cap Value Funds										
DODGE & COX STOCK FD #145	DODGX	344.765	194.02	66,890.76	214.13	73,824.53	4.3	3.04	1,048.09	1.420
ISHARES S&P 500 VALUE ETF	IVE	104.000	130.14	13,534.44	137.46	14,295.84	.8	2.91	302.33	2.115
PIMCO RAE FUNDAMENTAL US INSTL #2155	PKAIX	5,821.357	11.42	66,477.85	11.81	68,750.23	4.0	.17	989.63	1.439
Total for Large-Cap Value Funds				146,903.05		156,870.60	9.1		2,340.04	1.492
Mid-Cap Blended Funds										
VANGUARD MID-CAP ETF	VO	60.000	180.96	10,857.45	196.97	11,818.20	.7	2.88	172.80	1.462
Total for Mid-Cap Blended Funds				10,857.45		11,818.20	.7		172.80	1.462
Small-Cap Blended Funds										
DELAWARE SM CAP CORE FD CL R6 # 488	DCZRX	777.958	24.58	19,125.72	25.30	19,682.34	1.1	.10	77.02	.391
VANGUARD SMALL-CAP ETF	VB	95.000	152.00	14,439.84	176.11	16,730.45	1.0	2.82	268.19	1.603
Total for Small-Cap Blended Funds				33,565.56		36,412.79	2.1		345.20	.948
Small-Cap Growth Funds										
VANGUARD SMALL CAP GR VIPERS	VBK	169.000	246.12	41,594.35	197.03	33,298.07	1.9	.76	128.78	.387
Total for Small-Cap Growth Funds				41,594.35		33,298.07	1.9		128.78	.387
Small-Cap Value Funds										
UNDISCOVERED MGRS BEHAVL R6 #3467	UBVFX	582.426	64.85	37,770.69	76.87	44,771.09	2.6	.91	528.84	1.181
Total for Small-Cap Value Funds				37,770.69		44,771.09	2.6		528.84	1.181
Total: Total Equities				853,216.57		856,707.84	50.0		12,326.24	1.439
Total Fixed Income										

Account Name: EL TORO WATER 401K - GROWTH

Account ID: xxxxx41389



As of: June 30, 2022

Holdings Report w/ Yield and Income

	Ticker	Units	Unit Cost	Total Cost	Price	Market Value	Weight	Unit Income	Annual Income	Current Yield
Tax Fds - Multi Sector Inc										
	PIMIX	456.424	11.95	5,454.76	10.61	4,876.69	.3	.49	224.56	4.637
Total for Tax Fds - Multi Sector Inc				5,454.76		4,876.69	.3		224.56	4.637
Taxable Funds - Int Term										
	DODIX	1,165.176	13.89	16,179.66	12.56	14,634.61	.9	.27	309.94	2.118
	DBLFX	1,434.692	10.89	15,617.70	9.68	13,931.78	.8	.32	454.80	3.275
	PTTRX	1,569.636	10.39	16,302.35	9.00	14,176.88	.8	.18	287.64	2.036
	PTRQX	1,136.065	14.50	16,474.67	12.44	14,204.28	.8	.46	522.59	3.698
Total for Taxable Funds - Int Term				64,574.38		56,947.55	3.3		1,574.96	2.774
Taxable Funds - Short Term										
	VFSUX	1,333.539	10.80	14,401.91	10.08	13,478.72	.8	.18	245.37	1.825
Total for Taxable Funds - Short Term				14,401.91		13,478.72	.8		245.37	1.825
Taxable Funds - Ultra ST										
	VUSFX	.154	20.19	3.11	19.74	3.04	.0	.14	.02	.684
Total for Taxable Funds - Ultra ST				3.11		3.04	.0		.02	.684
Total: Total Fixed Income				84,434.16		75,306.00	4.4		2,044.91	2.724
Cash Equivalents										
Cash - Money Market										
	FIGXX	724,595.450	1.00	724,595.45	1.00	724,701.43	42.3	.00	1,920.18	.265
Total for Cash - Money Market				724,595.45		724,701.43	42.3		1,920.18	.265
Total: Cash Equivalents				724,595.45		724,701.43	42.3		1,920.18	.265
Total				1,717,366.59		1,714,613.25	100.0		19,119.98	1.115

As of: March 31, 2022



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STAFF REPORT

To: BOARD OF DIRECTORS

Meeting Date: August 22, 2022

From: Jason Hayden, Chief Financial Officer

Subject: Springbrook Implementation – Progress Update

Since the last update on the Springbrook implementation process on July 25, 2022, District Staff has continued with implementation tasks, including:

- On July 1, 2022 ETWD Staff began using Springbrook to account for the activities in the 2022-2023 Fiscal Year. The budget has been entered into Springbrook and Payroll and Accounts Payable activities are occurring in the software.
- The payroll process has now been migrated to Springbrook and several payrolls have been completed. Finance staff has established a basic payroll process document and this document will continue to be improved as staff becomes more familiar with every aspect of the payroll process.
- During the week of August 1, ETWD Staff met with the Springbrook consultant to set up and begin the implementation of the Utility Billing module. These meetings were extensive, lasting more than 6 hours per day from Tuesday to Friday that week, and involved setting up all of the billing codes and linking these codes to the appropriate general ledger accounts.

Springbrook Finance/Payroll Systems Project Schedule as of 8/1/2022:

Week or Day	System	Description	Complete
1/13	Finance	Project Kick-off Conference Call	Yes
1/17 – 1/21	Finance	Business Process Questionnaire Review	Yes
1/31 – 2/4	Finance	Discovery Session Meetings	Yes
2/7 – 2/11	Finance	General Ledger/Chart of Accounts Consulting Session	Yes
3/4/22	Finance	Chart of Accounts/Accounts Payable Vendor List Due	Yes
3/4/22	Payroll	Payroll Business Process Questionnaire Due	Yes
3/7 – 3/11	Payroll	Payroll Questionnaire Review	Yes
3/14 – 3/18	Finance	General Ledger & Accounts Payable – Data Review and Load	Yes
3/14 – 3/18	Payroll	Discovery Session between ETWD and Springbrook	Yes
3/21 – 3/25	Finance	Setup & Configuration Session	Yes
5/6	Payroll	Payroll Data / Templates Due	Yes

6/28 – 7/7	Finance	Go Live Sessions	Yes
7/11 – 7/15	Payroll	Go Live Sessions	Yes
7/15 – 7/31	Both	Post Go Live Support	Yes

Springbrook Utility Billing Project Schedule as of 6/15:

Week/Day	System	Description	Complete
5/2 – 5/6	Utility Billing	Utility billing discovery session begins	Yes
6/3	Utility Billing	Utility billing data transmitted to Springbrook	Yes
6/6 – 6/10	Utility Billing	Springbrook works on Data Mapping from CUSI	Yes
6/13/ - 6/17	Utility Billing	Initial data conversion and load	Yes
6/20 – 6/24	Utility Billing	Initial Data Review	Yes
8/1 – 8/5	Utility Billing	Setup and Configuration Sessions	Yes
8/16	Utility Billing	Continued Configuration Session	Yes
8/29 – 9/2	Utility Billing	Parallel Billing Session	No



STAFF REPORT

To: BOARD OF DIRECTORS

Meeting Date: August 22, 2022

From: Jason Hayden, Chief Financial Officer

Subject: Financial Package - Authorization to Approve Bills for Consideration dated August 22, 2022

Due to a number of factors, the Financial Package for July had to be delayed but will be provided to the Board for Review (along with the August finances) at the September Finance & Insurance Committee Meeting. There are multiple factors that caused this delay:

- Finance Staff Absences for Medical Reasons – two finance employees were out of the office in June and July for multiple weeks. I was also out of the office for a week due to a medical procedure for my spouse. At one point, there was only one Finance staff person working in the office. The Accounting Supervisor and myself were able to keep the basic financial functions going but this prevented us from working on journal entries and completing moving the ending balances from Quickbooks into Springbrook.
- Implementation of Springbrook – The ending balances from fiscal year 2021-2022 had not yet been established in Quickbooks in early August and therefore have not been entered into Springbrook as the beginning balances for the 2022-2023 fiscal year. As discussed in the first bullet above, employee absences caused a delay in processing invoices for the 2021-2022 fiscal year which is the primary cause of the delay in establishing the ending balances for 2021-2022. Without the beginning balances in Springbrook, it was impossible to generate a Statement of Net Position (Balance Sheet) for July, 2022.

In addition, the implementation of Springbrook is a time intensive process that is requiring Staff to spend scores of hours in implementation meetings. During the week of August 1, the Customer Service Manager and I spent 24 hours in implementation meetings to set up the utility billing codes. The time and energy devoted to getting the system implemented is a challenge to balance with all of the other activities that need to be completed (Finance Staff is also involved in the annual audit process right now).

I apologize for this delay and intend to provide you with a revised financial package in September. Thanks for your patience.

Attached for approval are the expenses that were incurred in July, 2022 that exceeded \$50,000.

Recommended Action: Staff recommends that the Board approve, ratify and confirm payment of those bills as set forth in the schedule of bills for consideration dated August 22, 2022.

CHECK NUMBER	PAYMENT DATE	VENDOR NAME	PAYMENT AMOUNT
92480	07/21/2022	MOULTON NIGUEL WATER DISTRICT	390,334.50
92440	07/07/2022	MUNICIPAL WATER DISTRICT OF ORANGE CO.	353,243.34
92491	07/21/2022	SO. CALIFORNIA EDISON CO.	142,462.28
92462	07/21/2022	CAROLLO ENGINEERS, INC.	89,934.35
13	07/27/2022	South Orange County Wasstwater Assn.	253,588.00
10	07/27/2022	Municipal Water Distric of Orange County	116,223.82
4	07/27/2022	ACWA JPIA	102,569.75

TOTAL CHECKS OVER \$50,000	\$	1,448,356.04
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TOTAL CHECKS IN REGISTER	\$	1,778,338.31
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DEBIT TRANSFERS

07/15/2022	PAYROLL DIRECT DEPOSIT	195,675.28
07/15/2022	FEDERAL DEPOSIT LIABILITY	51,130.91
07/15/2022	SDI & STATE TAX	21,370.66
07/15/2022	WAGE GARNISHMENTS	282.50
07/15/2022	PRUDENTIAL (401K)	84,550.92
07/15/2022	PRUDENTIAL (457)	34,754.58
07/15/2022	HEALTH SAVINGS ACCOUNT	368.85
07/29/2022	PAYROLL DIRECT DEPOSIT	147,534.41
07/29/2022	FEDERAL DEPOSIT LIABILITY	33,408.86
07/29/2022	SDI & STATE TAX	13,877.70
07/29/2022	WAGE GARNISHMENTS	282.50
07/29/2022	PRUDENTIAL (401K)	57,855.76
07/29/2022	PRUDENTIAL (457)	18,160.49
07/29/2022	HEALTH SAVINGS ACCOUNT	53.85
07/31/2022	ADP AND BANK FEES	4,817.25

TOTAL INTERBANK WIRES / DEBIT TRANSFERS	\$	664,124.52
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TOTAL DISBURSEMENTS	\$	2,442,462.83
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REIMBURSEMENTS TO ETWD EMPLOYEES

CHECK NUMBER	PAYMENT DATE	PAYEE (DESCRIPTION)	PAYMENT AMOUNT
92445	07/07/2022	MARISOL MELENDEZ (Education)	2,687.09

TOTAL CHECKS TO EMPLOYEES	\$	2,687.09
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REINBURSEMENTS TO ETWD DIRECTORS

CHECK NUMBER	PAYMENT DATE	PAYEE (DESCRIPTION)	PAYMENT AMOUNT
92438	07/05/2022	JOSE VERGARA (Travel Expense Report)	508.95
92450	07/13/2022	KATHRYN FRESHLEY (Travel Expense Repoirt)	17.55

TOTAL CHECKS TO DIRECTORS	\$	526.50
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MINUTES OF THE REGULAR MEETING
& OF THE
ENGINEERING COMMITTEE MEETING

July 25, 2022

At approximately 9:05 a.m. Director Vergara called the Engineering Committee meeting to order.

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

Also participating were DENNIS P. CAFFERTY, General Manager, JASON HAYDEN, CFO, JUDY CIMORELL, Human Resources Manager, GILBERT J. GRANITO, General Counsel, HANNAH FORD, Engineering Manager, SHERRI SEITZ, Public Relations/Emergency Preparedness Administrator, and POLLY WELSCH, Recording Secretary.

SCOTT HOPKINS, Operations Superintendent, was absent.

Consent Calendar

Director Vergara asked for a Motion.

Motion: Director Monin made a Motion, seconded by Vice President Havens and carried across the Board to approve the Consent Calendar.

Roll Call Vote:

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

Engineering Action Items

R-6 Reservoir Floating Cover and Liner Replacement Project

Ms. Ford stated that the construction cost from the low bidder, Layfield USA Corp who did the work 20 years ago for the last cover and liner installation, exceeds the final design estimate by approximately \$1.2 million. She further stated that with current market conditions, staff expected the costs may be higher than estimated.

Ms. Ford stated that along with the final design estimate, staff is recommending awarding the inspection services contract to Go2CQA and the construction management / engineering services during construction contract to Hilts Consulting Group. She further stated that the budget for inspection services is slightly under, however the inspection services that staff is recommending is slightly higher than the lowest proposal submittal because Go2CQA met our minimum qualifications, and they come highly recommended from our design consultant.

Ms. Ford stated that staff has discussed approving these contracts with our partner agencies, SMWD and MNWD, and both are on board, but SMWD needs to bring them before their Board in August for approval.

Ms. Ford stated that the final budget analysis is included in the staff report. She further stated that staff included a 5% construction contingency, and total project cost is over the Revenue Bond amount, which was based on preliminary design report costs.

Director Vergara asked for a Motion.

Motion: Director Gaskins made a Motion, seconded by President Freshley and carried across the Board to authorize the General Manager to 1) enter into a contract with Layfield USA Corp in the amount of \$23,608,825 for the construction of the R-6 Reservoir Floating Cover and Liner Replacement Project, 2) enter into a contract with

Hilts Consulting Group, Inc. in the amount of \$499,088 for Engineering Services During Construction and Construction Management Services, and 3) enter into a contract with Go2CQA in the amount of \$372,100 for Inspection Services during construction.

Roll Call Vote:

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

Filter Building and Clearwell Demolition Project

Ms. Ford stated that staff received bids for this project, and the low bid is well under the Engineer's estimate and is the only bidder able to do this job without subcontractors. She further stated that they also possess the certification to mitigate hazmat themselves, compared to the second lowest bidder, who could have self-performed all of the work except this part.

Ms. Ford stated that she spoke with Resource Environmental Inc., the low bidder, and they are confident in their bid, and she spoke with references at the Orange County Sanitation District, which used them to demo their Admin building.

Vice President Havens suggested that staff be sure the Contractor complies with all of the environmental regulations and permits. Ms. Ford replied that staff will check with the Contractor.

Ms. Ford stated that ESDC (Engineering During Construction Services) will be awarded along with some inspection for Geotech, and staff is recommending the contract be awarded to Brady.

Director Vergara asked for a Motion.

Motion: President Freshley made a Motion, seconded by Vice President Havens and carried across the Board to authorize the General Manager to 1) enter into a contract with Resource Environmental Inc. in the amount of \$685,000 for the construction of the demolition for the Filter Building and Clearwell Demolition Project, and 2) enter into a contract with Richard Brady and Associates, Inc. in the amount of \$124,429 for Engineering Services During Construction.

Roll Call Vote:

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

JTM Pump Station Motor Control Center Pre-Purchase Contract

Ms. Ford stated that Motor Control Centers (MCCs) for the JTM Pump Station Project have long lead times, so staff would like to pre-purchase them to avoid delays in construction. She further stated that staff will install spare parts from the District's inventory to get the pump station operating as early as possible and swap out the spare parts once the new MCCs arrive.

Ms. Ford stated that the main difference between the two lowest cost vendors is the MCC manufacturer being either Allen-Bradley or Siemens. She further stated that all of the District's current MCC equipment and spare parts are Allen-Bradley; although Siemens is less expensive, purchasing from this manufacturer would require additional cost for spare parts and commissioning as well as additional labor for training.

President Freshley asked if the MCC's fault rating has been checked with SCE. Mr. Perez replied that he will check on the fault capacity.

Director Vergara asked for a Motion.

Motion: Director Monin made a Motion, seconded by President Freshley and carried across the Board to authorize the General Manager to issue a purchase order contract to One Source in the amount of \$95,762 for the purchase of an MCC to meet the design requirements of the JTM Pump Station Project.

Roll Call Vote:

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

Headworks Rehabilitation Study

Ms. Ford stated that this study will focus on improving the fine screens, coarse screens, and grit chamber components of the WRP Headworks. She further stated that we would like to pause the current Grit Chamber Rehabilitation construction contract and reinitiate in November while conducting this study.

Ms. Ford stated that the Grit Chamber Rehabilitation project has experienced significant delays, largely due to lead time for the slide gate. Suspending construction is recommended because the Headworks Rehabilitation Study may change the scope of work required for the Grit Chamber Rehabilitation project. She further stated that the FY 2022/23 capital improvement program budget includes \$230,000 for a fine screen facility rehabilitation study.

Ms. Ford stated that Carollo, who is the current consultant for the Water and Sewer Master Plan Update and recommended for conducting this study, did the reconstruction in 1995 and is familiar with the construction of the plant.

Vice President Havens stated that she would like to tour the facility and see the Headworks again.

Director Vergara asked for a Motion.

Motion: President Freshley made a Motion, seconded by Director Gaskins and carried across the Board to authorize the General Manager to amend the Water and Sewer Master Plan Update contract with Carollo Engineers, Inc. in the amount of \$132,848 for a Headworks Rehabilitation Study.

Roll Call Vote:

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

Engineering General Information Items

Capital Projects Status Report

Main Office HVAC Replacement and Improvement Project

Ms. Ford stated that this project has been put out to bid and staff plans to award a construction contract in August. She further stated that this project will require staff to relocate from the Admin office for potentially two months.

Ms. Ford stated that the project costs are approximately \$61,000 higher than budgeted.

Asset Management Program

Ms. Ford stated that the new Intern has been very productive in developing the District's asset inventory. She further stated that we would like to start this program by focusing first on pump stations, sewer lift stations, water reservoirs, and pressure reducing valve stations.

R-6 Reservoir Floating Cover and Liner Replacement Project

Ms. Ford stated that staff are still testing the system operating without the R-6 Reservoir using interties with IRWD and MNWD to manage variations in flow. She further stated that the District will begin draining the R-6 Reservoir in August.

Ms. Ford stated that staff met with SMWD to develop a plan for the drain down. She further stated that the design contract is still underspent, but we still have to develop the conformed drawings.

JTM Pump Station Project

Ms. Ford stated that staff held a mandatory pre-bid meeting and had six interested contractors. She further stated that the total project cost will likely remain well under the Revenue Bond amount.

Ms. Ford stated that we adopted a Mitigated Negative Declaration and Mitigation Monitoring and Reporting Plan last month, after which the Gabrieleno tribe e-mailed a list of concerns requesting added mitigation measures, but after speaking with our legal consultant, we don't feel the need to reopen the Mitigated Negative Declaration, but we did offer them the option to bring a tribal member out to the site for one week during excavation.

R-2 Reservoir Interior Recoating Project

Ms. Ford stated that this project is almost complete, and they are keeping staff up to date on structural repair needs and OSHA compliance which are estimated at approximately \$38,000 to include seismic bracing rods, center vent, and a ladder. She further stated that the project contingency is \$110,000 so we are well under that cost.

Ms. Ford stated that staff are still developing the agreement for the grant and expect to be able to submit for reimbursements in September.

Water and Sewer Master Plan Update

Ms. Ford stated that the model is almost done, and the consultant is developing a revised recommendation on the Aliso Creek Lift Station regarding how The Village at Laguna Hills development will affect that station.

Ocean Outfall Pump Station (OOPS)

Ms. Ford stated that the generator has arrived and been installed, and this project should be complete by the end of August.

2022/23 Capital Improvement Program Schedule

Ms. Ford stated that the Boom Truck project is being delayed until the next fiscal year budget, due to current market delays.

Energy Efficiency

President Freshley noted that we are seeing some progress in the Energy reports. Ms. Ford stated that staff is working with SCE to come out and check the energy analysis.

Engineering Items Discussed at Various Conferences and Meetings

There were no comments.

Comments Regarding Non-Agenda Engineering Committee Items

There were no comments.

Adjournment

There being no further business, the Engineering Committee meeting was adjourned at approximately 10:00 a.m.

Attorney Report

Mr. Granito reported that there is a need for a Closed Session at today's meeting.

Closed Session

At approximately 10:00 a.m. the Board went into Closed Session as agendized on today's Closed Session agenda. Also at this time Ms. Ford, Mr. Hayden, Ms. Cimorell, Ms. Seitz, and Ms. Welsch left the meeting.

Regular Session/Report

At approximately 10:30 a.m. regular session resumed. Also at this time, Ms. Welsch and Ms. Cimorell returned to the meeting.

Mr. Granito reported that the Board went into Closed Session with regard to both matters reflected on today's Agenda.

Mr. Granito reported that during the first phase of the Closed Session (Item 1), the Board discussed the status of the matter and provided input. No further reportable action was taken.

During the second phase of the Closed Session (Item 2), the General Manager reported on a matter of anticipated litigation. No reportable action was taken.

Adjournment

At approximately 10:30 a.m. the meeting was adjourned.

Respectfully submitted,

POLLY WELSCH
Recording Secretary

APPROVED:

KATHRYN FRESHLEY, 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: August 22, 2022

From: Rory Harnisch, Project Engineer

Subject: Main Office HVAC Improvement Project

BACKGROUND

Originally constructed in the mid-1980s with remodeling in 1992 and in 1995, the El Toro Water District Water Main Office Administrative Building (Main Office) serves a critical role for District operations, Board meetings, and customer interaction. The building was designed and constructed as a 1-story pre-fabricated metal building using steel members to support not only the roof and roof-mounted Heating Ventilation and Cooling (HVAC) units but also all other electrical, HVAC ducting, lighting, and communication cables between the interior ceiling and the roof.



When the Main Office was originally constructed, its inhabitants were served by five HVAC units. Since then, only minor upgrades and maintenance activities have been performed on the system. The HVAC system serves five areas of the Main Office, each with its own HVAC unit and accompanying thermostat. The areas are as follows:

1. Board of Directors Meeting Room,
2. Southerly-most facing Rooms including the Kitchen, Engineering Inspection office, the Chief Finance Officer's office, and the Public Affairs office,
3. Easterly-most facing rooms including the General Manager's Office, the Executive Assistant's office, the Information Technology (IT) Manager's office, and server room,
4. Northerly-most facing rooms including Customer Service entryway, the Customer Service office, the Engineering Manager's office, and the Human Resources Manager's office,
5. Interior rooms including the cubicle areas, storage areas, and both bathrooms.

Although the HVAC unit serving the Northerly-most facing offices (Item #4 above) was replaced in 2015, the other four units have reached the end of their useful life. In 2020, the District hired RPM Engineers, Inc. (RPM) to conduct a field survey report due to increasing complaints about hot/cold spots and airflow issues observed by District staff and customers. RPM submitted a report to the District recommending replacement of the four aging HVAC units, which are over 30 years old and use a nearly obsolete refrigerant. RPM provided two solutions, as follows:

1. **Replace in Kind (RIK):** This option involves replacing the four aging HVAC units with a similar model and identical control scheme as existing.
2. **Variable Refrigerant Flow (VRF):** This option involves replacing all HVAC units with VRF, which offers more efficient control by adding more zones and equipment with higher efficiency to lower electrical costs.

The RPM report recommended the VRF system option because of improved equipment efficiencies, increased control with four additional zones, and avoiding structural roof member upgrades required by the City of Lake Forest Building Division. Based on this recommendation, the District hired RPM to create a set of bidding documents for a new VRF system in 2021. The District then obtained three bids, the lowest of which was approximately \$370,000 (i.e., \$130,000 above the CIP budget).

The District determined that the project was too expensive and decided to investigate the RIK option as a potentially lower cost alternative. The District hired a Structural Engineer, Scott Wallace Structural Engineers (SWSE), to evaluate the existing roof members' ability to meet current code with replaced HVAC units as required by the City of Lake Forest Building Division. SWSE determined that upgrades are necessary to meet current building codes and produced a set of structural plans. District staff also received an estimate for upgrading the roof members, per the SWSE plans, from the original contractor that built the Main Office, Shook Building Systems, Inc (Shook). Staff then compared VRF and RIK alternatives; even considering the energy savings VRF would provide, the RIK alternative offered a lower life cycle cost.

BID EVALUATION

The District publicly published the invitation to bid on PlanetBids on Tuesday, July 19 and extended an invitation to Shook. Three contractors attended the mandatory pre-bid meeting. Following the pre-bid meeting and a subsequent deadline for written questions, the District issued three addenda to the original bid documents. Staff opened one bid on Wednesday, August 17, with the breakdown shown in Table 1 and Figure 1.

Table 1 – Bid Comparison to Engineer's Estimate

Description	Engineer's Estimate	Empire Design & Build
Mobilization/Demobilization/Record Drawings	\$15,000.00	\$8,500
Prepare and Secure Office Space	\$20,000.00	\$4,950
Remove and Re-install Ceiling Tiles and Grids	\$25,000.00	\$15,550
Relocate Existing Lighting, Electrical, and HVAC Appurtenances	\$30,000.00	\$14,000
Furnish and Install AC-1 Through AC-5 Roof Structural Modifications	\$90,000.00	\$30,000
Furnish and Install AC-2 Through AC-5 Roof -Mounted HVAC Units	\$60,000.00	\$130,000
Commissioning	\$10,000.00	\$27,000
Total	\$250,000.00	\$230,000
Difference from Engineer's Estimate	-	(\$20,000)
Subcontractors		• 65% for HVAC

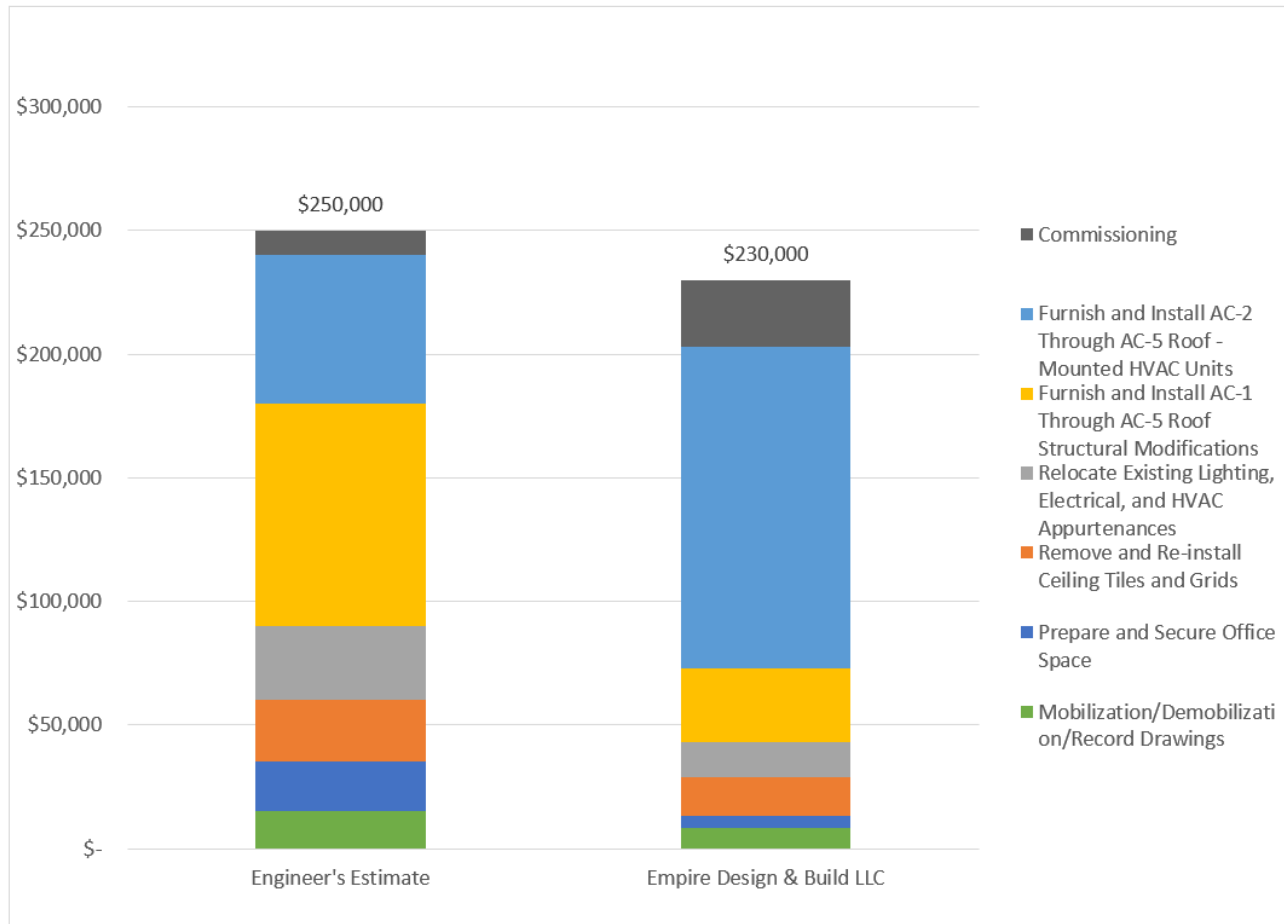


Figure 1– Bid Evaluation Summary

The Engineer's estimate comprised of estimates from Shook and the District's HVAC maintenance contractor. As staff finalized the design, the Engineer's estimate increased from the original amount budgeted due to the additional commissioning scope and construction complexity. The bidder's total cost is slightly lower than the revised Engineer's estimate.

Staff performed a detailed evaluation of the bid and did not find any errors or other discrepancies. Although the District has never worked with Empire Design & Build LLC directly, the District has worked with this contractor successfully on a similar tenant improvement project for the City of Laguna Woods.

ENGINEERING DURING CONSTRUCTION SERVICES (ESDC)

District staff recommends hiring RPM Engineers, Inc. and Scott Wallace Structural Engineers to perform ESDC for mechanical and structural services, respectively. Attachment A contains the totals proposal from both Engineering firms, which amounts to \$6,500. Table 2 summarizes fees. Attachment A contains the scope of work associated with these services

Table 2 –ESDC and Proposed Fee

Consultant	Fee
RPM	\$4,000
SWSE	\$2,500
Total	\$6,500

BUDGET ANALYSIS

Table 3 summarizes total project costs. The low bidder for the construction contract requires less than the original engineer's estimate.

Table 3 – Summary of Costs

Organization	Description	Total Cost
RPM	Design	\$20,000
Scott Wallace SE	Alternatives Analysis	\$11,640
Empire Design & Build LLC	Construction Contract	\$230,000
	Construction Contingency	\$23,000
RPM	ESDC	\$4,000
Scott Wallace SE	ESDC	\$2,500
Total		\$291,140
Budget		\$240,000
Difference		(\$51,140)

The project will create a more efficient HVAC system which will serve to lower the District's Main Office electrical costs, lower HVAC maintenance costs, correct an old and outdated HVAC system, and improve the overall conditions of the administrative staff's daily operations. To reduce cost, in house staff will perform the construction management.

CEQA

District staff prepared and filed a Class 1 Categorical Notice of Exemption with the County because the work only includes minor alteration of existing facilities without an increase in capacity. State CEQA Guideline Section 15301 provides exemption for existing facilities where the improvements and upgrades are negligible with no expansions of existing use.

RECOMMENDATION

Recommended Action:

Staff recommends that the Board of Directors authorize the General Manager to 1) enter into a contract with Empire Design & Build LLC in the amount of \$230,000 for the construction of the Main Office HVAC Improvement Project; 2) enter into a contract with RPM Engineers Inc. in the amount of \$4,000 for Engineering Services during Construction and 3) enter into a contract with Scott Wallace Structural Engineers in the amount of \$2,500 for Engineering Services during Construction. Staff further recommends that the Board authorize the General Manager to fund the project costs from District's Bond Covenant Reserves in accordance with the District's adopted Cash Reserve Policy.



FEE PROPOSAL

<i>TO:</i>	<i>FROM:</i>
Rory Harnisch	Johnny Lai
<i>COMPANY:</i>	<i>DATE:</i>
El Toro Water District 24251 Los Alisos Blvd Lake Forest, CA 92630	8/16/2022
<i>EMAIL:</i>	<i>NO. OF PAGES INCLUDING COVER:</i>
rharnisch@etwd.com	3
<i>PROJECT:</i>	
Admin Office HVAC Unit Replacement HVAC Engineering Service During Construction	

The following is a proposal to provide construction administration services for the HVAC scope for the project mentioned above.

Construction Administration

Review equipment submittals and shop drawings.
Respond to all RFIs during construction phase.
Review test and air balance reports.
Review contractor's final "as-builts" drawings and provide all documents as required.
Attend one (1) pre-construction meeting, as required.
Attend one (1) construction meeting, as required.
Attend one (1) final punch walk meeting, as required.

Exclusions

All printing, plotting, and delivery cost.
Drawing submittals to city.
Fire protection design.
Utility coordination.
All additional site visits and meetings (will be charged upon request).



Payment

- a) The fee for all engineering design services shall be as follows:
 - 1. Construction administration: \$4,000⁰⁰.
- b) Payment schedule:
 - 100% Upon completion of work
- c) Additional services (MEP drawing changes after first submittal) if requested (by Architect of Owner) shall be on a time and materials basis at the following rates:

Principal Engineer	\$240
Associates Engineer	\$220
Project Engineer	\$175
Designer	\$135
Drafting	\$120
Clerical	\$110



Reimbursable expenses include actual expenditures made by the Engineer in the interest of this project, such as Plan Check fees, printing and delivery for coordination, Contractor's use, reviewing agencies and for construction.

RPM has minimum \$1,000,000 professional liability insurance, and \$2,000,000 general liability insurance, and similar insurance coverage for automobiles, will name _____ as additional insured, and will keep same insurance in effect for at least one (1) year after project completion.

If this proposal correctly expresses our agreement, please indicate your acceptance by signing below and returning one copy for our files.

Sincerely,

Johnny Lai, P.E.
Mechanical Engineer
RPM Engineers, Inc.

Accepted and Agreed:

Co. Name: _____
Signature: _____
Print Name: _____
Title: _____
Date: _____



August 16, 2022

AGREEMENT FOR ADDITIONAL ENGINEERING SERVICES

PROJECT: El Toro Water District HVAC Support
Construction Administration
24251 Los Alisos
Lake Forest, CA 92630

CLIENT: El Toro Water District
Attn: Rory Harnisch
24251 Los Alisos
Lake Forest, CA 92630

This is an addendum to the original contract dated 04/04/22 between Client and the Engineer. Structural Engineering Services after permit are billed on a Time and Material basis. This agreement serves to acknowledge those additional services.

1. **Engineer's services:** The Engineer's professional services shall consist of:
 - A. Review of shop drawings.
 - B. Site visits for structural observation or as requested by the Client.
 - C. Modifications to the structural calculations and/or drawings for the permitted project.
 - D. Structural corrections as required by the building inspector.
2. **Basic Compensation:** Basic compensation shall be as follows:
 - A. Fee Amount: Hourly per item 3, estimated at \$2500. If this amount exceeded another addendum will be provided.
 - B. Reimbursables per original contract.
3. **Services:**
 - A. Billing rates for services are assessed as follows, including travel time: \$220.00/HR Principal, \$115.00/HR Associate, Drafting at \$80.00/HR, Secretarial at \$40.00/HR. Subject to change at the turn of the year.

All other original contract terms and provisions remain in effect.

The above is mutually agreed to on August _____, 2022.

Signature
(Must be signed by an officer of the company)

Scott Wallace, Principal/CEO
Scott Wallace Structural Engineers, Inc.

Name: _____

Title: _____



STAFF REPORT

To: Board of Directors

Meeting Date: August 22, 2022

From: Dennis Cafferty, General Manager

Subject: Board Room Audio Visual Technology Improvements

INTRODUCTION

Following the return to live Board meetings in July of 2021 the District has been conducting Board meetings in a hybrid format in an effort to accommodate remote participation of the public as well as, on occasion, Directors or staff. While the District has made rudimentary changes to adapt to the hybrid format, the current system is somewhat primitive and inefficient. The previous consideration of expanding the Board Room included a component to improve the audio-visual technology in the room to accommodate the current and future hybrid meeting format. The expansion of the building proved to be more expensive than the District was willing to bear so staff has explored technology improvements in the existing space.

The goal of the technology improvements includes speaker and microphone equipment to replace the current hardwired conference phone, improved camera/visual capability and a new large monitor to replace the existing projection system. The proposed technology solution will also seamlessly integrate audio and video into the Zoom platform.



Staff engaged with two firms to evaluate the District's Board Room technology needs and propose solutions. The proposed solutions vary significantly in cost as well as available features. Staff's research of industry references would also suggest that the higher cost proposal is based higher quality components. The following is a summary of potential technology options in the District's Board Room.

ALTERNATIVES

Status Quo – While this is the cheapest option it does not resolve the existing challenges and deficiencies. The current system relies on a conference phone for audio that is sometimes not completely clearly audible. The video is a wide shot of the room that does not capture all the people in the room, shows only the back of certain people and does not provide any opportunity to observe who is actually speaking. The customer that recently requested the recording of the July Public Hearing complained that he could not discern who was speaking. While the customer was only provided an audio recording, the current video system does not provide significant improvement in the ability to understand who is speaking at any given time. The Status Quo option would replace the projection system. Total estimated cost for the installation of a new 98” monitor is approximately \$12,000.

Option 1 – Option 1 proposes to replace the conference phone with ceiling mounted speakers and microphones to significantly improve the audio technology. A better camera will be installed but it will still be limited to the wide pan view of the room and won’t be able to show the front view or faces of all the participants in the room nor would it be able to identify individual speakers. Option 1 would also replace the projection system with a new 98” monitor. The proposed solution includes wireless presentation capability and a 10” touch pad controller. This option is the basis for the proposal from Anderson Howard in the amount of approximately \$36,400. The estimated amount is slightly different than that identified in the attached proposal. The estimated amount includes tax and a lower cost for a 98” monitor rather than the quoted 100” monitor.

Option 2 – Option 2 provides higher end equipment for the audio system as well as the new 98” monitor. This option also provides technology that will allow multiple cameras in the room to automatically focus on individual speakers so that remote participants can see all of the meeting participants as well as identify who is speaking. This option will require three cameras in the room to facilitate camera angles that can reach each individual participant around the table. Option 2 also includes wireless presentation capability and a 7” touch pad controller. This option is the basis for the proposal from Western Audio Visual in the amount of \$89,763.22.

ANALYSIS

The Status Quo option retains the existing deficiencies that currently hamper the quality of the remote experience. Staff does not recommend the Status Quo option.

Option 1 fully resolves the existing audio deficiencies. Moulton Niguel Water District installed similar equipment in their new Board Room and have been pleased with the performance of the new components and the service provided by Anderson Howard. The limitation remains the inability for the single camera to identify individual Directors or staff that are speaking and will continue to show the back of certain staff or external presenters.

While Option 2 is the most expensive, it provides top of the line equipment with features that will better facilitate the public's remote participation in District Board meetings. The Option 2 video system allows multiple cameras to automatically pan and zoom to preset locations based on who is speaking. This will allow the public to view individual speakers at the Board table, at the podium or from the audience. The QSC system identified in the Western Audio-Visual proposal provides the most flexibility for future expansion of features and audio-visual capability. Staff research identified a significant industry preference for QSC equipment due to its quality and capability. Staff participated in a demonstration of the capabilities of the QSC system at QSC's headquarters in Costa Mesa. The demonstration was tailored to some of the District's specific needs.

CONCLUSION

The recommended action, based on Option 2, provides the opportunity to pursue the full technology solution including the video component that will allow a more complete video experience for remote participants. In order to determine whether Option 2 is the appropriate solution, staff needs direction from the Board regarding the importance of the video aspect of the Board Room audio visual technology.

If the Board determines that there is no need to clearly show all the meeting participants on video, or to be able to clearly identify who is speaking during meetings, then the Option 1 audio solution will adequately meet the District's needs. If the Board prefers Option 1, the purchase and installation will fall within the General Manager's purchasing authority.

If the Board determines that the video capability is important either now or in anticipation of any potential future remote participation by the District's customers, the larger investment in the Option 2 solution is appropriate. It should also be noted that the QSC audio components included in Option 2 are higher quality components that have the potential to enhance the audio experience for remote meeting participants.

Recommended Action: Staff recommends that the Board of Directors consider authorizing the General Manager to issue a purchase order to Western Audio Visual in the amount of \$89,763.22 for the purchase and installation of audio-visual technology improvements in the District Board Room. Staff further recommends that the Board authorize the General Manager to fund the project costs from District's Bond Covenant Reserves in accordance with the District's adopted Cash Reserve Policy.



August 09, 2022

Michael Miazga
El Toro Water District, Information Technology Manager
24251 Los Alisos Boulevard
Lake Forest, CA 92630

Michael,

We are pleased to submit our bid for your Board Room Audio Visual upgrade located at 24251 Los Alisos Blvd. in Lake Forest California. Our price is based on multiple discussions and site visits.

Audio Visual equipment to be new, Biamp conferencing system with Commercial Grade LG Display and additional devices as noted.

Project Pricing

Description	Cost
Board Room	\$39,390.00

ADD/ALT

Clickshare interface can replace Modena wireless interface for an additional \$1,675.00

Thank you for the opportunity to provide a proposal for this project. Should you have any questions, please contact us.

Sincerely,

Bill Romano | Vice President
bill.romano@aandh.com
T 949.756.3320
C 714.300.3434



Scope of Work

Anderson Howard to provide and install the equipment listed below. Anderson Howard has included all labor, programming, testing and end user training. All required cabling is also included. Client responsibilities include network and POE switches as needed and removal of Projector and Screens.

Board Room

• (1) Biamp TesiraFORTE package	\$12,965
• (1) Tesira Backpack Amplifier	
• (3) Parle Ceiling Expansion Mic	
• (4) Parle Ceiling Speakers	
• (1) Modena Wireless Interface	
• (1) 10in Touch Enabled Controller	
• (1) Controller / Processor	
• (1) 8 Port POE	
• (1) USB Hub	
• (1) 100" Sony Comm Display 24/7	\$14,325
• (1) Chief Wall Mount, Non Articulating	\$ 505
• (1) Vaddio 12X Optical Zoom Camera	\$ 1,875
• Misc Cables / Connectors / Jacks / Boxes	\$ 1,250
• Shipping / Handling	\$ 1,295
• Installation Labor & Programming	\$ 5,950
• Demo of existing	\$ 550
• Project Management	<u>\$ 675</u>
• TOTAL	\$39,390

Notes and Qualifications

- This proposal is valid for 30 days
- Anderson Howard to provide only the AV components and Services listed
- All Programming and Testing is included
- Anderson Howard to Install new cables as needed
- All work to be performed during regular business hours [Mon thru Fri, 6:00AM-2:30PM].
- Any additional documents or specifications not specifically listed are excluded from this proposal.
- Scheduling of other trades [HVAC, elevator contractor, sprinkler contractor, etc.] with interfacing/testing with fire alarm system to be scheduled by Anderson & Howard Electric, Inc.
- Prevailing wage and certified payroll as needed.
- Payment terms: Net 30 days from date of invoice. Purchaser agrees to pay interest charges of 1½% per month, which is an annual rate of 18%. In the event payment is not made, purchaser agrees to pay all costs and expenses of collection including attorneys' fees. Title to the above merchandise remains with A&H Communications, Inc. until fully paid.



Exclusions

- All cost increases associated with construction delays and labor material shortages resulting from COVID-19 and/or the electronic chip shortage from various manufacturers.
- Unless otherwise stated in our scope or work, the following items are excluded from this proposal:
 - All 120V or greater power
 - Other than one (1) additional outlet for new Commercial Display
 - Conduit, sleeves, stubs, terminal cans, gutters and back boxes
 - Permits, plan check fees and inspection fees
 - Any bonding requirements and associated fees
 - Parking fees
 - Interface/integration to any systems not specifically mentioned here within
 - Active electronics
 - Telephone backboards
 - Any patching or painting
 - Repair / replacement of ceiling tiles, carpet, wall finishing if damaged during the installation
 - Access panels and hatches
 - Hazardous waste disposal fees
 - Fire sealing and/or firestopping
 - Floor x-raying, coring or trenching
 - 2-hour rated cable and/or 2-hour rated enclosures
 - Fire watch
 - Smoke fire dampers, actuators and end switches
 - Graphic annunciator
 - Smoke control systems, smoker evacuation systems
 - Fire fighter panel
 - 120VAC smoke detectors
 - Duct detectors to be installed by HVAC contractor
 - Pre-action or VESDA system
 - Sprinkler valve tamper switches, flow switches, PIV and OS&Y
 - Elevator cab card reader and camera cable
 - Elevator capture interface panel
 - HVAC mechanical control conduit and wiring or interface
 - Monitoring, maintenance, and testing of any systems

Item	Quantity	Manufacturer	Model	Description	Unit Price	Ext Price
Display System						
98" Display						
1	LG	98UH5F-H	98" 4K LCD Display		\$ 12,904.00	\$ 12,904.00
1	Chief	XTM1U	X-Large Fusion Micro-Adjustable Tilt Wall Mount		\$ 325.00	\$ 325.00
Signal Distribution and Switching System						
INPUTS:						
HDMI 1						
Wireless Presentation Gateway						
Zoom PC (OFE)						
Camera 1						
OUTPUTS:						
98" Display						
3	QSC	NV-32-H	4K60 4:4:4 Network Video Endpoint for the Q-SYS Ecosystem		\$ 3,125.00	\$ 9,375.00
-Display						
-Zoom PC (OFE)						
-HDMI 1/Wireless Presentation Gateway						
1	Barco	R9861511US	ClickShare IEEE 802.11ac Wireless Presentation Gateway		\$ 1,563.00	\$ 1,563.00
3	QSC	NC-12x80	12x Optical Zoom 80° Horizontal Field of View, PTZ Network Camera, PoE		\$ 3,369.00	\$ 10,107.00
Audio System						
DSP						
Amplifier						
(6) Ceiling Loudspeakers						
Ceiling Array Microphone						
1	QSC	CORE 8 Nano	Unified Core		\$ 1,563.00	\$ 1,563.00
1	QSC	SPA4-100	1/2 RU 4 Channel ENERGY STAR amplifier		\$ 842.00	\$ 842.00
6	QSC	AD-C6T-WH	6.5" Two-Way Ceiling Loudspeaker		\$ 198.00	\$ 1,188.00
1	Senheiser	TeamConnect Ceiling 2	Ceiling Array Microphone		\$ 3,844.00	\$ 3,844.00
1	QSC	QIO-ML2x2	Q-SYS I/O Peripheral, 2 Mic/Line Level Inputs, 2 Line Level Outputs		\$ 498.00	\$ 498.00
1	QSC	QIO-RMK	Q-SYS QIO Rack Mount Kit		\$ 134.00	\$ 134.00
Control System						
(1) Tabletop Touch Screen						
AV Network Switch						
1	QSC	NS26-1440++	26-Port Preconfigured Q-SYS Audio Network Switch		\$ 4,225.00	\$ 4,225.00
1	QSC	TSC-70-G3	Q-SYS 7" PoE Touch Screen Controller		\$ 1,388.00	\$ 1,388.00
1	QSC	TSC-710t-G3	Table Top Mounting Accessor for 7"/10" Touch Screen Controller		\$ 332.00	\$ 332.00
1	QSC	SLDAN-32-P	Q-SYS Software-based Dante 32x32 Channel License, Perpetual.		\$ 670.00	\$ 670.00
1	QSC	SLQUD-8N-P	Q-SYS Core 8 Flex, Core Nano, NV-32-H (Core Capable). UCI Deployment Software License, Perpetual.		\$ 85.00	\$ 85.00
1	QSC	SLQSE-8N-P	Q-SYS Core 8 Flex, Core Nano, NV-32-H (Core Capable). Scripting Engine Software License, Perpetual.		\$ 169.00	\$ 169.00
Miscellaneous Components						
1	OFE	OFE	Equipment Rack			
Board of Directors Equipment Sub-Total:					\$	49,212.00
Miscellaneous Materials						
Cable & Connectors					\$	1,231.00
Installation Hardware & Accessories					\$	868.00
Equipment Rack Hardware (Lacing Bars, Blanks, Vents, etc.)					\$	247.00
Miscellaneous Materials Sub-Total:					\$	2,346.00
Integration Labor						
Engineering & Drafting					\$	3,117.00
Control Programming					\$	9,600.00
Project Management					\$	1,192.00
Staging & Assembly					\$	184.00
Installation & Testing					\$	13,860.00
Training, Closing, & Commissioning					\$	3,920.00
Travel					\$	-
Sub-Contract					\$	-
G & A					\$	860.00
Integration Labor Sub-Total:					\$	32,733.00
Extended Warranty & Maintenance Agreement						
Extended Service Plan					0	\$ -
Service Sub-Total:					\$	-
Board of Directors Totals						
Total Equipment					\$	51,558.00
Total Labor					\$	32,733.00
Equipment and Labor Subtotal					\$	84,291.00
Total Shipping					\$	1,361.00
Additional Shipping for Overnight or Large Items					\$	-
Subtotal					\$	85,652.00
Sales Tax					7.75%	\$ 4,101.22
Electronic Waste Fee 4" - 14" (\$4.00)					QTY: 1	\$ 4.00
Electronic Waste Fee 15" - 34" (\$5.00)					QTY: 0	\$ -
Electronic Waste Fee 35" and Greater (\$6.00)					QTY: 1	\$ 6.00
Electronic Waste Fee Total						\$ 10.00
Total Service Agreement					\$	-
Bond (if required)					\$	-
					\$	89,763.22



Client El Toro Water District
Project Name Board of Directors Room AV

Representative Hailey Schellin
Mobile 949.584.7028
Office 714.637.7557
Email HaileyS@wav1.com
Date 8/18/2022

Project Contact

Contact Matt Miazga
Address
City, State, Zip Lake Forest, CA 92630
Phone (949)-599-2500
Mobile
Email MMiazga@etwd.com

Audio Visual Investment Summary

Room	Room Qty	Equipment	Shipping	Sales Tax	eWaste	Labor	Maintenance	Bond	Cost Per Room	TOTAL
Board of Directors	1	\$ 51,558.00	\$ 1,361.00	\$ 4,101.22	\$ 10.00	\$ 32,733.00	\$ -	\$ -	\$ 89,763.22	\$ 89,763.22
Base Project Total										\$ 89,763.22

EXTENDED WARRANTY & MAINTENANCE RENEWAL SCHEDULE

STANDARD RENEWAL RATE

\$2,971.00

	Year 1	Year 2	Year 3	Year 4	Year 5
Rate	\$1,485.50	\$2,971.00	\$2,971.00	\$2,971.00	\$2,971.00
Discount	50%	0%	0%	0%	0%

PROJECT TOTAL:

\$89,763.22

NOTES:

This proposal includes prevailing wage rates.

Billing Terms:

100% Equipment Upon Order, Progress Billing for Labor

Client Authorized Signature

Printed Name & Title

Date

This quote is valid for 30 days. The sales tax is subject to change—in the event of an increase, the client agrees to pay the current sales tax rate. This proposal is not to be copied, reproduced or forward to any third party as its contents are the property of Western Audio Visual.

Billing Inquiries:

Western Audio Visual | 1592 North Batavia Street, Suite 2, Orange, CA 92867 | P 714 637 7272



STAFF REPORT

To: Board of Directors

Meeting Date: August 22, 2022

From: Hannah Ford, Engineering Manager

Subject: Capital Project Status Report

I. Asset Management Program

With the assistance of an Asset Management intern, staff continues to make significant progress such that the water pump stations, sewer lift stations, reservoirs, and pressure regulations station assets will be inventoried by the end of the summer. All five of the invited consultants attended the mandatory preproposal meeting for the Pump Station Asset Management Plan on August 1st. One consultant has since declined to propose based on local staff experience. Proposals are due in September for potential award in that month.

In addition, recently South Orange County Wastewater Authority (SOCWA) has required submission of Water Recycling Plant (WRP) asset management materials by October to comply with recent changes to the outfall permit. District staff plans to develop a formal asset management plan for the WRP in the next fiscal year, and the materials developed as part of that effort will likely differ from the asset management templates provided by SOCWA because the templates do not coincide with the District's asset management needs. To minimize unnecessary work effort, District staff is working with SOCWA staff to leverage existing materials for permit compliance.

II. Aliso Creek Generator Replacement Project

Anticipated lead time for the generator is 17 months. To avoid contractor price escalation due to delayed labor with these long lead items, staff plans to prepurchase the generator and automatic transfer switch (ATS) required for this project then place the project out to bid closer to equipment delivery date. As a result, the CIP schedule reflects the purchase of this equipment this fiscal year and a delay of this project's construction until the next fiscal year.

The Master Plan team is also developing recommendations related to the Aliso Creek Lift Station capacity due to eroded efficiency and ability to handle additional flow from new development at The Village at Laguna Hills. Any modifications to the lift station required as a result of this analysis may be included as additional scope items in the project planned for next fiscal year. The results of this analysis may influence generator size.

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

The contractor, Filanc construction, has completed the construction of this project as of August 2, 2022. Filanc commissioned the generator and trained WRP staff. Staff will release the retention to Filanc in early September.



Table 1 summarizes the total budget, timeframe, and percent complete for Filanc's construction contract. Original construction completion was scheduled for November 2021, but material delays have extended schedule to August 2022, which explains higher schedule than budget expenditure. With the upcoming project completion, these values will match. The budget increased via change order due to pandemic-related material shortages, schedule delays, and additional safety design features requested by District staff after bidding.

Table 1 – OOPS Generator Replacement Construction Schedule and Budget Status

Construction Contract	Total	Percent Complete
Budget	\$414,523 ¹	100%
Schedule	April 19, 2021 – July 28, 2022	100%

¹Original contract value of \$384,532 plus Change Order 1 for \$23,322 added in February 2022 and Change Order 2 for \$6,677.97.

IV. R-2 Reservoir Interior Recoating Project

The contractor, Associated Tank Constructors (ATC), is working toward finalizing the project. ATC has completed wall coatings, floor coatings, exterior gutter removal, and will be working on welding the door sheet back onto the tank wall. ATC is performing coating touch-ups and tank disinfection the week of August 22nd.

The contractor has also performed several structural repairs to date including installing a new FRP ladder, access hatch, center vent, and seismic bracing rods at the roof girders. These repairs have been either due to not meeting OSHA requirements or severe corrosion as identified by the District's inspection firm, CSI. To date, the structural repairs total to approximately \$43,000. The remaining repairs will be calculated after all the floor corrosion repairs are complete and new total in a Change Order. The District's budgeted contingency for this project allows for a total of \$110,000.

The Urban and Multibenefit Drought Grant from DWR will cover \$617,668 of project costs. Currently, the grant agreement is under development such that the District will be able to receive the funding in September.



Table 2 summarizes the total budget, timeframe, and percent complete for ATC’s construction contract. Staff will finalize the change order related to structural repairs and review close-out project financials at the next Board meeting.

Table 2 – R-2 Reservoir Interior Recoating Project Schedule and Budget Status

Design Contract	Total	Percent Complete
Budget	\$611,000	98%
Schedule	April 11, 2022 – August 29, 2022	95%

V. R-6 Reservoir Floating Cover and Liner Replacement Project

District staff issued the contractor, Layfield USA Inc., notice of award on August 4th, following approval from the Board of Santa Margarita Water District (SMWD). Notice to proceed (NTP) is anticipated on August 18th, from which point the contractor has 360 days to complete the work (i.e. by August 13, 2023).

Since June, District staff has been testing interties with Irvine Ranch Water District (IRWD) and Moulton Niguel Water District (MNWD) to manage variations in flow when the R-6 Reservoir is offline. The final test of interties flowing all together with the R-6 Reservoir isolated from the distribution system started on August 8th and will continue through the end of this month. Staff has coordinated with SMWD and MNWD to time the reservoir drain down with the anticipated MWD Upper Feeder shutdown, scheduled to start on September 6th and last for up to two weeks.

Table 3 summarizes the total budget, timeframe, and percent complete for the current design contract with HGC. Because budget expended through August is 79% with work and schedule at 100% completion, total effort remains below anticipated expenditure thereby freeing up \$142,532 to offset other project costs.

Table 3 – R-6 Floating Cover and Liner Design Contract Schedule and Budget Status

Design Contract	Total	Percent Complete
Budget	\$671,236	79%
Schedule	May 28, 2021 – July 8, 2022	100%

VI. Filter Building Site Use Project

The District awarded the construction contract to Resource Environmental, Inc. and will issue formal NTP for on-site construction on September 1st to avoid the nesting season. In the meantime, the contractor is working on submittals. Staff sent out construction notices and conducted a virtual meeting for residents adjacent to the construction site.

Air Quality Management District (AQMD) has relocated its facilities to avoid conflicts during construction. Staff continues to coordinate with AQMD staff to schedule their construction of a new AQMD trailer.

District staff continues to work with its consultant Brady to progress the new Warehouse and EOC design. Once bid documents are developed, staff will delay bidding the new Warehouse until July 2023 such that construction will take place after the nesting season in September 2023. Based on available funding, MWDOC is determining the schedule for its EOC and will likely delay its construction to the years following the District's new Warehouse. Depending on MWDOC's EOC schedule and feasibility, the District will determine how to design the not-yet-constructed EOC footprint and site paving in the interim.

Table 4 summarizes summarizes the total budget, timeframe, and percent complete for Brady's design contract. The District has received the consultant's invoices through June; budget appears less spent than schedule because the new building design has been delayed.

Table 4 – Filter Plant Site Use Design Schedule and Budget Status

Design Contract	Total	Percent Complete
Budget	\$475,633	63%
Schedule	November 23, 2021 – October 23, 2022	81%

VII. Joint Transmission Main (JTM) Pump Station Project

District staff issued the contractor, J.R. Filanc Construction Co. Inc., notice of award on August 9th, following Board approval. Notice to proceed (NTP) is anticipated on August 23rd, from which point the contractor has 165 days to complete the work (i.e., by February 4, 2023).

Table 5 summarizes summarizes the total budget, timeframe, and percent complete for Black & Veatch's design contract, which reflects billings through June. The July invoice will close out the design portion of Black & Veatch's contract. Following CIP status reports will reflect the schedule and budget status for construction now that the design phase is closed out.

Table 5 – JTM Pump Station Design Contract Schedule and Budget Status

Design Contract	Total	Percent Complete
Budget	\$182,045 ¹	95%
Schedule	January 7, 2022 – July 28, 2022	100%

¹Amended by \$4,200 per August 2022 Board Action to reflect additional scope added to design contract.

VIII. Water and Sewer Master Plan Update

Carollo Engineers, Inc (Carollo) conducted several check-ins and developed a final technical memorandum (TM) on Aliso Creek Lift Station, evaluating its flow capacity. Essentially, its operation may currently be able to handle existing flows, but the recent degradation in pump performance likely requires modification to handle any additional flow (i.e., from The Village at Laguna Hills). The consultant will model influent flow based on a 10-year design storm event after they have calibrated the sewer model. If necessary based on these results, they may recommend wet weather flow monitoring directly upstream of the wet well and/or conducting a pump drawdown test to determine the actual pumping capacity of the two pumps together since it no longer matches design.

The water hydraulic model has been calibrated and utilized to simulate fire flows thereby saving Operations staff time. District staff is meeting with the team this afternoon to review initial calibration results and discuss next steps.

Table 6 summarizes the total budget, timeframe, and percent complete for this project. The consultant's last invoice reflected below was from July, so project progress remains on track with schedule and budget expenditure.

Table 6 – Water and Sewer Master Plan Update Schedule and Budget Status

Design Contract	Total	Percent Complete
Budget	\$349,951	41%
Schedule	March 23, 2022 – January 1, 2023	50%

IX. Headworks Rehabilitation Study

District staff executed the contract this month and met with the Consultant at the WRP last week. The Grit Chamber Rehabilitation construction contract with SS Mechanical has been suspended until the results of this Study are available at the end of the year.

X. WRP Main Electrical Power Breakers Replacement Project

Schneider Electric USA Inc. delivered the breakers at the end of July. Staff reviewed the shipment and noticed the covers were missing so is working with the manufacturer to expedite their delivery. Staff will install the breakers once the covers arrive on site.

The battery in the ATS requires four wire per the latest code. The contactor in the existing ATS is three wire; staff is in the process of initiating a change order of approximately \$25,000 to replace the contactor to accommodate four wire.

Table 7 summarizes the total budget, timeframe, and percent complete for this project. The budget does not yet reflect the anticipated change order related to ATS contactor changeout.

Table 7 – WRP Main Electrical Power Breaker Schedule and Budget Status

Construction Contract	Total	Percent Complete
Budget	\$134,491	84%
Schedule	April 29, 2021 – October 29, 2022	88%

XI. Tertiary System Optimization

Staff met with Southern California Regional Energy Network (SoCalREN) to progress accessing Southern California Edison (SCE) rebates for the ammonia analyzer. Staff also conducted a progress meeting to discuss initial recommendations that may reduce chemical consumption and costs following the consultant, Trussell Technologies, Inc, review of the provided data. Potential solutions include revising the regulatory compliance point to the Chlorine Contact Tank (CCT) instead of the Recycled Water Storage Tank (RWST), thereby decoupling the two tanks and freeing up the volume currently required for disinfection in the RWST. Alternatives include relying on chlorine alone or adding ammonia within the CCT to assist with coliform inactivation, as shown in Figures 1 and 2 respectively. Staff developed a test protocol to confirm total coliform inactivation at the end of the CCT in order to confirm the ability to move the compliance point to the end of the CCT without ammonia addition. The testing will take place for two weeks next month.

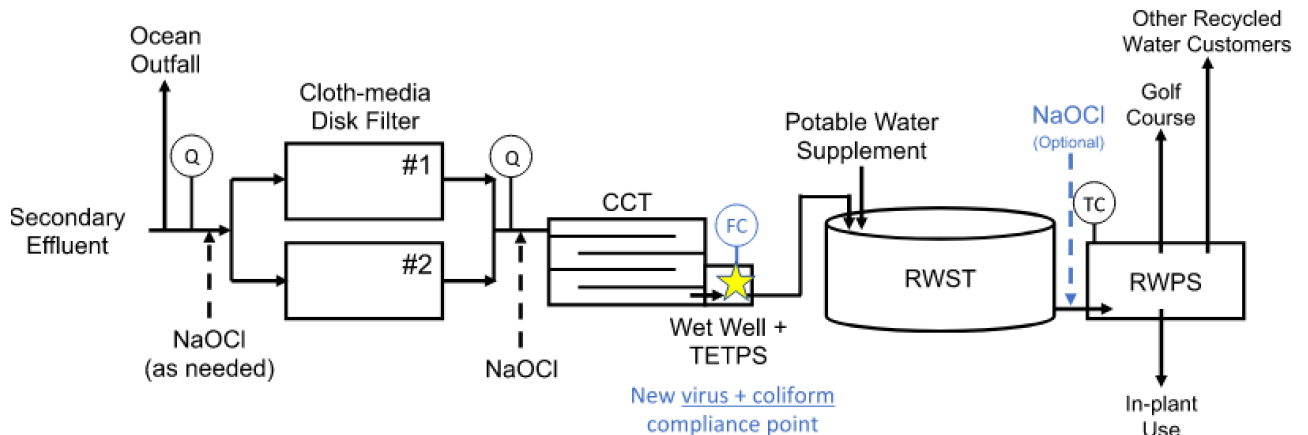


Figure 1 – Tertiary Disinfection Process Flow Diagram for Lower Concentration time Contact Time (CT) Free Chlorine Disinfection

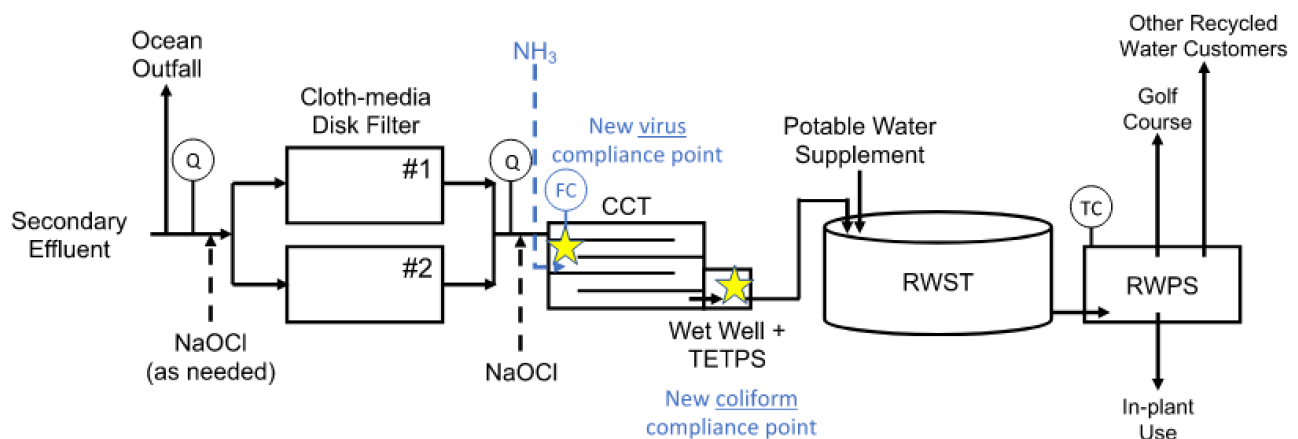


Figure 2 – Tertiary Disinfection Process Flow Diagram for Sequential Chlorination

XII. Caltrans I-5 Widening Utility Relocations

District staff has finalized the Phase B construction schedule from the Contractor, Paulus Engineering. Phase B is slated to begin on August 29th with sewer relocation followed by fire hydrant relocations.

Table 8 summarizes the total budget, timeframe, and percent complete for Paulus' construction contract. The ETWD project is split into three segments: Phase A, B, and C. Phase A work was completed between September and October of 2020. Phase B is scheduled from end of August through approximately early October of this year. Phase C will take place thereafter.

Table 8 – Caltrans I-5 Widening Utility Relocations Construction Schedule and Budget Status

Construction Contract	Total	Percent Complete
Budget (Phase B)	\$109,829 ¹	0%
Budget (Total Project)	\$627,365 ²	73%
Schedule (Phase B)	August 29 th 2022 – October 3 rd 2022	0%

¹Caltrans will be reimbursing the District for Phase B per utility agreement 12-UT-1450 and 12-UT-1451.

²Original contract value of \$769,777 plus deductive Change Order 1 for \$142,412 finalized in November 2020.

XIII. Effluent Pump Station Rehabilitation Project

This Project is still in the submittal review phase. District staff have worked with the contractor, Filanc, to release the pumps for production. Construction start is anticipated for December 2022.

Table 9 summarizes the total budget, timeframe, and percent complete for Filanc's construction contract. The end date will extend beyond February 2022 but timing remains to be determined based on pump manufacturer production times.

Table 9 – Effluent Pump Station Construction Schedule and Budget Status

Construction Contract	Total	Percent Complete
Budget	\$387,000 ¹	5%
Schedule	March 23, 2022 – February 15, 2023	46%

¹Original contract value, does not include deduct of \$20,000 as part of anticipated Change Order 1.

XIV. Wash Press System at Headworks

District staff received the new Wash Press equipment this month, as shown in the below photos. WRP staff will hold off on installing the equipment, including supporting electrical, until the Headworks Rehabilitation Study is complete.



Table 10 summarizes the total budget, timeframe, and percent complete for this project's construction. The end date has shifted to accommodate results of the Headworks Rehabilitation Study. The District has not yet received an invoice, so the budget remains at zero percent this month.

Table 10 –Wash Press System at Headworks Construction Schedule and Budget Status

Construction Contract	Total	Percent Complete
Budget	\$103,063	0%
Schedule	December 23, 2021 – October 15, 2022	62%

XV. Revenue Bond Expense Tracking

District staff have been closely tracking project actuals compared to revenue bond budget, as summarized in Table 11. Based on the current net negative difference of all budgeted projects, the net revenue bond funding available for the AMI project is \$4,954,861.

Table 11 –Revenue Bond Expense Tracking

Projects	Revenue Bond Budget	Actual	Difference
R-6 Floating Cover and Liner Replacement Project	\$9,776,400	\$11,880,187	(\$2,103,787)
South County Pipeline Turnout Project	\$3,000,000	\$3,000,000 ¹	\$0
Joint Transmission Main Pump Station	\$2,400,000	\$989,546	\$1,410,454
Water Filtration Plant Reuse Project	\$2,917,000	\$3,430,706 ¹	(\$513,706)
SOCWA Capital Projects	\$9,974,000	\$2,599,818 ^{1,2}	\$0 ²
AMI Remote Meter Reading	\$6,161,900	\$6,161,900 ¹	\$0
Total Project Costs	\$34,229,300	\$37,673,349	(\$1,207,039)
Capital Reserves	(\$6,428,700)		
Release of Restricted SRF Reserves	(\$2,270,000)		
Total Funding Needed	\$25,530,600		

¹Contains some costs that remain estimates (not yet bid).

²Actual represents capital required for the next five years FY 2022/23 through 2026/27. Excess revenue bond funding above this amount (anticipated at \$2,599,818) will be applied to the following years of SOCWA capital needs.

XVI. Energy Efficiency Analysis

District staff continues to work on developing the recommended energy efficiency projects for the WRP and pump stations. Table 12 summarizes the projects staff are developing. SoCalREN has indicated that incentives are available for some of these projects, so staff met with them last week to determine the amount and feasibility of collecting those incentives. Staff scheduled pump re-testing with Southern California Edison in September 2022.

Table 12 – Energy Efficiency Progress Summary

Facility	Recommended Project	Projected Savings (kWh/yr)	Budgetary Cost	Projected Payback (years) ⁽¹⁾	Status
WRP					
ABAC based Aeration Control	Introduce ammonia-based aeration control (ABAC) in aeration basins.	334,000	\$84,000	1.7	Moving forward with design and implementation this year.
Aerated Grit Chamber Optimization	Optimize blower for aerated grit chamber.	54,000	\$65,000	5.6	Included as part of Headworks Rehabilitation Study
Odor Control System Optimization	Install H ₂ S analyzers for trimming and VFDs on blowers.	29,000	\$31,000	5.0	Including study in FY 22/23 CIP budget to firm up cost, feasibility, and understand process implications of these modifications.
WAC Rehabilitation	Eliminate waste activated clarifier (WAC) sludge blower. Replace with polymer addition.	147,000	\$112,000	4.9	
RAS Pump Optimization	Flow pace and trim based on sludge blanket monitoring.	113,000	\$156,000	6.4	
Aeration Distribution Optimization	Automate valves on droplegs to zones of aeration basins.	94,000	\$254,000	12.5	
Large Bubble Mixing in Equalization Basin	Replace mixing pumps with large bubble diffusers.	235,000	\$880,000	17.3	
Water Pump Stations					
P-1	Rehabilitate due to degraded efficiency.	98,000	\$107,000	6.4	Included in FY 23/24 CIP budget.
P-4	Potentially rehabilitate due to degraded efficiency based on February 2018 test data	99,000	\$20,000	1.4	Scheduled new SCE test because pumps were rehabilitated since February 2018.
Cherry	Rehabilitate due to degraded efficiency.	12,000	\$29,000	12.1	Included in FY 24/25 CIP budget.
Shenandoah	Rehabilitate due to degraded efficiency.	33,000	\$43,000	6.8	Included in FY 24/25 CIP budget.
Spartan	Rehabilitate due to degraded efficiency.	59,000	\$29,000	3.5	Issued a purchase order for pump rehabilitation; delivery anticipated in December 2022.

Facility	Recommended Project	Projected Savings (kWh/yr)	Budgetary Cost	Projected Payback (years) ⁽¹⁾	Status
Towers	Potentially rehabilitate due to degraded efficiency based on November 2015 test data.	1,488	\$12,000	5.4	Investigate whether pump station was rehabilitated since November 2015.
Sewer Lift Stations					
Aliso Creek – Pump 1	Tested in April 2021, and pump and motor were replaced thereafter in December 2021.	37,276	\$30,000	7.3	Scheduled new SCE test because pumps were rehabilitated since April 2021.
Aliso Creek – Pump 2	Pump and motor were replaced in September 2020 and SCE testing conducted in April 2021. Evaluate deficiencies to understand causation of rapid efficiency decline in one of the duty pumps.	87,000	\$36,000	3.1	Conducted site visit with consultant for the Master Plan, Carollo, to evaluate and recommend solutions.
Northline – Pump 3	Pump and motor were replaced in January 2020 and SCE testing conducted in April 2021. Evaluate deficiencies to understand causation of rapid efficiency decline in one of the duty pumps.	24,000	\$18,000	4.5	Operations staff indicate that Northline Pump 3 is under frequent strain because it serves to regularly pump down the wet well, at which time it is subject to poor suction conditions.
Westline	Potentially rehabilitate due to degraded efficiency based on September 2015 test data.	42,065	19,500	3.1	Scheduled new SCE test because pumps were rehabilitated since September 2015.
Freeway	Potentially rehabilitate due to degraded efficiency based on October 2015 test data.	75,457	19,500	1.7	Investigate whether pump station was rehabilitated since October 2015.
Veeh – Pumps 3 and 4	Potentially rehabilitate due to degraded efficiency based on September 2015 test data.	33,828	11,000	2.1	Investigate whether pump station was rehabilitated since September 2015.

⁽¹⁾Does not include potential rebate from SCE.

**F.Y. 2022/23 CAPITAL IMPROVEMENT PROGRAM BUDGET ITEMS > \$50,000
BOARD APPROVAL SCHEDULE**

Category	Project Description	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Revenue Bond / CIP Budget	Board Approved Cost
<i>2022/23 Capital Projects</i>															
	4920 Siphon	E	E	E	E	BP								\$170,000	-
	La Paz Abandonment	ET	ET	ET	ET	ET	ET	ET	BP					\$100,000	-
	WRP Optimization Study			B	A	E	E	E	E	E	E	E	BP	\$200,000	
	Headworks Rehabilitation Study	A	E	E	E	E	BP							\$230,000	\$132,848
	Headworks Bar Screen Retrofit								E	E	B	A	C	\$515,000	-
	Asset Management		B	A	E	E	E	E	E	E	E	BP		\$100,000	-
<i>2022/23 Capital Equipment</i>															
	P-4 Pump Replacement					A	O						R	\$59,000	-
	P-1 and R-5 Fence Alarm Replacement			B	A	C								\$69,000	-
	Reservoir Mixer Improvements				E	E	A	C	C	C				\$77,000	-
	Headworks Bar Screen PLC Panel Replacement											E	A	\$60,000	-
	Boom Truck (Diesel - Regulatory Compliance)	Deferred to FY 2023/24												\$315,000	-
	IT Master Plan						RFP	A	E	E	E	E	BP	\$80,000	-
<i>Revenue Bond Projects</i>															
	R-6 Reservoir Floating Cover	A	C	C	C	C	C	C	C	C	C	C	C	\$9,776,400	\$11,948,193
	Filter Plant Site Use Plan Investigation and Design	A / E	C / E	C / E	C / E	C							B	\$2,917,000	\$1,163,616
	AMR / AMI Implementation	To be determined based on costs incurred by ongoing revenue bond projects												\$6,761,900	-
	South Orange County Turnout Project			E	E	E	E	E	E	E	E	E	E	\$3,000,000	
	JTM Pump Station	B	A	C	C	C	C	C	C	C	C	C		\$2,400,000	\$989,546
<i>Previous Fiscal Year Carryover</i>															
	R-2 Reservoir Interior Recoating	C	C											\$605,000	\$806,000
	Wash Press System at Headworks		R	C	C									\$200,000	\$103,063
	Effluent Pump Station Rehabilitation	C	C	C	C	C	C	C	C	C				\$150,000	\$425,000
	WRP Main Electrical Power Breaker Upgrades	C												\$140,000	\$134,491
	DAF Unit #2 Rehabilitation Project	E	E	E	E	E	B	A	C	C	C	C	C	\$150,000	-
	Aliso Creek Emergency Generator Replacement Project	E	B	A	C	C	C	C	C	C				\$275,000	-
	Grit Chamber Rehab/Recoating	Suspended until Headworks Rehabilitation Study complete												\$85,000	\$416,000
	OOPS Emergency Generator Replacement	C	C	C										\$220,000	\$414,523
	Main Office HVAC Replacement Project	B	A	C	C	C	C	C						\$240,000	-
	Master Plan Update	ET	ET	ET	ET	ET	BP	ET						\$350,000	\$349,951
	Caltrans I-5 Widening Utility Relocations	C	C											\$0	\$627,365
Total														\$29,326,300	\$17,510,597

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.