

MEETING OF THE BOARD OF DIRECTORS OF THE
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Jointly with the
ADMINISTRATION & FINANCE COMMITTEE
18700 Ward Street, Conf. Room 101, Fountain Valley, CA 92708
October 9, 2024, 8:30 a.m.

Teleconference Sites:
25652 Paseo De La Paz, San Juan Capistrano, CA 92675
17420 Walnut Street, Fountain Valley, CA 92708

This meeting will be held in person at 18700 Ward Street, Fountain Valley, California, 92708 (Conference Room 101). As a convenience for the public, the meeting may also be accessed by Zoom Webinar and will be available by either computer or telephone audio as indicated below. Because this is an in-person meeting and the Zoom component is not required, but rather is being offered as a convenience, if there are any technical issues during the meeting, this meeting will continue and will not be suspended.

Computer Audio: You can join the Zoom meeting by clicking on the following link:
<https://zoom.us/j/8828665300>

Telephone Audio: (669) 900 9128 fees may apply
(877) 853 5247 Toll-free
Webinar ID: 882 866 5300#

A&F Committee:
Director Crane, Chair
Director Thomas
Director Nederhood

Staff: H. De La Torre, C. Harris,
H. Chumpitazi, M. Baum-Haley,
K. Davanaugh, M. Goldsby

Ex Officio Member: President McVicker

MWDOC Committee meetings are noticed and held as joint meetings of the Committee and the entire Board of Directors and all members of the Board of Directors may attend and participate in the discussion. Each Committee has designated Committee members, and other members of the Board are designated alternate committee members. If less than a quorum of the full Board is in attendance, the Board meeting will be adjourned for lack of a quorum and the meeting will proceed as a meeting of the Committee with those Committee members and alternate members in attendance acting as the Committee.

ROLL CALL

PUBLIC COMMENTS - Public comments on agenda items and items under the jurisdiction of the Committee should be made at this time.

ITEMS RECEIVED TOO LATE TO BE AGENDIZED - Determine there is a need to take immediate action on item(s) and that the need for action came to the attention of the District subsequent to the posting of the Agenda. (Requires a unanimous vote of the Committee).

ITEMS DISTRIBUTED TO THE BOARD LESS THAN 72 HOURS PRIOR TO MEETING -- Pursuant to Government Code section 54957.5, non-exempt public records that relate to open session agenda items and are distributed to a majority of the Board less than seventy-two (72) hours prior to the meeting will be available for public inspection in the lobby of the District's business office located at 18700 Ward Street, Fountain Valley, California 92708, during regular business hours. When practical, these public records will also be made available on the District's Internet Web site, accessible at <http://www.mwdoc.com>.

PRESENTATION

1. PRESENTATION BY PARS REGARDING OTHER POST-EMPLOYMENT BENEFITS TRUST & PENSION RATE STABILIZATION PROGRAM (PRSP) TRUST CLIENT REVIEW
2. WATER ENERGY EDUCATION ALLIANCE (WEEA) YEAR IN REVIEW

PROPOSED BOARD CONSENT CALENDAR ITEMS

3. TREASURER'S REPORT
 - a. Revenue/Cash Receipt Report – September 2024
 - b. Disbursement Approval Report for the month of October 2024
 - c. Disbursement Ratification Report for the month of September 2024
 - d. GM Approved Disbursement Report for the month of September 2024
 - e. Consolidated Summary of Cash and Investment – August 2024
 - f. OPEB and Pension Trust Fund statement
4. FINANCIAL REPORT
 - a. Combined Financial Statements and Budget Comparative for the Period Ending August 31, 2024

ACTION ITEMS

5. 2025 HEALTH SAVINGS ACCOUNT CONTRIBUTIONS
6. AUTHORIZE FY 2024-25 CHOICE PROGRAM BUDGET REVISIONS

INFORMATION ITEMS – (THE FOLLOWING ITEMS ARE FOR INFORMATIONAL PURPOSES ONLY – BACKGROUND INFORMATION IS INCLUDED IN THE PACKET. DISCUSSION IS NOT NECESSARY UNLESS REQUESTED BY A DIRECTOR.)

7. 2025 BENEFIT RATES (Health and Vision Insurance Rates)
8. JOINT SUPERVISOR TRAINING WORKSHOPS HOSTED BY MWDOC AND YLWD
9. INDIVIDUAL CHARGES DISCLOSURE REPORT
10. CALPERS ANNUAL VALUATION REPORT AS OF JUNE 30, 2023
11. OPEB ACTUARIAL REPORT AS OF JUNE 30, 2024
12. DEPARTMENT ACTIVITIES REPORTS
 - a. Administration
 - b. Finance and Information Technology
13. MONTHLY WATER USAGE DATA AND WATER SUPPLY INFORMATION

OTHER ITEMS

- 14. REVIEW ISSUES REGARDING DISTRICT ORGANIZATION, PERSONNEL MATTERS, EMPLOYEE BENEFITS FINANCE AND INSURANCE

ADJOURNMENT

NOTE: At the discretion of the Committee, all items appearing on this agenda, whether or not expressly listed for action, may be deliberated, and may be subject to action by the Committee. On those items designated for Board action, the Committee reviews the items and makes a recommendation for final action to the full Board of Directors; final action will be taken by the Board of Directors. Agendas for Committee and Board meetings may be obtained from the District Secretary. Members of the public are advised that the Board consideration process includes consideration of each agenda item by one or more Committees indicated on the Board Action Sheet. Attendance at Committee meetings and the Board meeting considering an item consequently is advised.

Accommodations for the Disabled. Any person may make a request for a disability-related modification or accommodation needed for that person to be able to participate in the public meeting by telephoning Maribeth Goldsby, District Secretary, at (714) 963-3058, or writing to Municipal Water District of Orange County at P.O. Box 20895, Fountain Valley, CA 92728. Requests must specify the nature of the disability and the type of accommodation requested. A telephone number or other contact information should be included so that District staff may discuss appropriate arrangements. Persons requesting a disability-related accommodation should make the request with adequate time before the meeting for the District to provide the requested accommodation.



PRESENTATION ITEM

October 9, 2024

TO: Administration & Finance Committee
 (Directors Crane, Thomas, Nederhood)

FROM: Harvey De La Torre, General Manager

Staff Contact: Hilary Chumpitazi, Director of Finance/IT

SUBJECT: PRESENTATION BY PARS REGARDING OTHER POST-EMPLOYMENT BENEFITS TRUST & PENSION RATE STABILIZATION PROGRAM (PRSP) TRUST CLIENT REVIEW

STAFF RECOMMENDATION

Staff recommends the Administration & Finance Committee receive and file this report.

SUMMARY

Annually, Public Agency Retirement Services (PARS) provides information to the Committee regarding the District's PARS 115 Trust -- OPEB Prefunding Program & Pension Rate Stabilization Program Plan.

Jennifer Meza from PARS and Keith Stribling from PFM Asset Management will be presenting this information; attached is the presentation material.

ALIGNMENT WITH BOARD STRATEGIC PRIORITIES

- | | |
|--|---|
| <input checked="" type="checkbox"/> Clarifying MWD OC's mission and role; defining functions and actions. | <input type="checkbox"/> Work with member agencies to develop water supply and demand objectives. |
| <input type="checkbox"/> Balance support for Metropolitan's regional mission and Orange County values and interests. | <input type="checkbox"/> Solicit input and feedback from member agencies. |
| <input type="checkbox"/> Strengthen communications and coordination of messaging. | <input type="checkbox"/> Invest in workforce development and succession planning. |

Budgeted: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Budgeted amount:	Core: <input checked="" type="checkbox"/>	Choice: <input type="checkbox"/>
Action item amount:		Movement between funds: <input type="checkbox"/> Yes <input type="checkbox"/> No	



MUNICIPAL WATER DISTRICT OF ORANGE COUNTY

PARS 115 Trust - OPEB Prefunding Program &
Pension Rate Stabilization Program Plan Client Review
October 9, 2024

CONTACTS



PUBLIC AGENCY
RETIREMENT SERVICES



Jennifer Meza, CEBS
Senior Manager, Consulting
(800) 540-6369 x141
jmeza@pars.org

J. Keith Stribling, CFA
Senior Portfolio Manager
(949) 966-3373
james.stribling@pfmam.com

Ashley Baires
Client Services Coordinator
(800) 540-6369 x170
abaires@pars.org

INVESTMENT MANAGER UPDATE

- HighMark Capital Management (HighMark) previously served as investment manager for your PARS plans since the inception of the plan in 2011
- On January 1, 2024, HighMark's institutional advisory business was transferred to PFM Asset Management (PFMAM)
- Your PARS plan assets are now currently managed by PFMAM as a result of this transition
- No change in your City's portfolio's asset allocation or investment strategy selection
- No additional action is required by your District
- Investments portfolios will continue to be managed by portfolio managers at PFMAM who were formerly from both HighMark and U.S. Bank

PARS 115 TRUST TEAM

As of June 30, 2024

Trust Administrator & Consultant*



- Serves as record-keeper, consultant, and central point of contact
- Sub-trust accounting
- Coordinates all agency services
- Monitors plan compliance (IRS/GASB/State Government Code)
- Processes contributions/disbursements
- Hands-on, dedicated support teams

40

Years of Experience
(1984-2024)

2,000+

Plans under Administration

1,000+

Public Agency Clients

500+

Trust Clients

500K+

Plan Participants

\$8.7B

Assets under Administration

* See important information regarding PARS in the Disclaimer page at the end of the presentation.

Trustee



- 5th largest commercial bank and one of the nation's largest trustees for Section 115 trusts
- Safeguard plan assets
- Oversight protection as plan fiduciary
- Custodian of assets

161

Years of Experience
(1863-2024)

\$11.0T

Assets under Administration

Investment Manager



- Investment sub-advisor to trustee U.S. Bank
- Institutional asset management solutions
- Fixed income and multi asset portfolios
- Active and passive platform options
- Customized portfolios (with minimum asset level)

40+

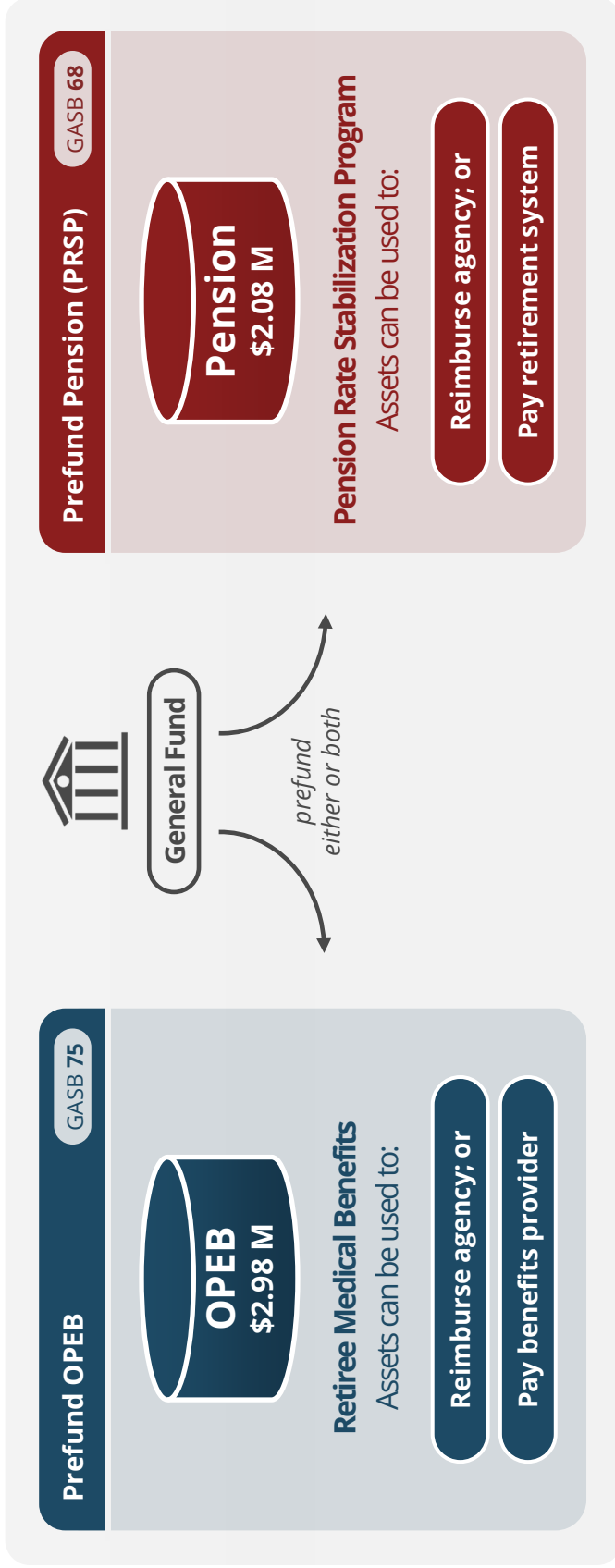
Years of Investment Experience
(As of 6/30/2024)

\$244.8B*

Assets under Management & Advisement

* Assets under management and advisement as of March 31, 2024, includes fixed income and multi asset class portfolios
Investment Management Services by PFM Asset Management as sub-advisor

PARS IRS-APPROVED SECTION 115 TRUST



- Subaccounts**
OPEB and pension assets are individually sub-accounted, and can be divided by dept., bargaining group, or cost center.
- Anytime Access**
Trust funds are available anytime; OPEB for OPEB and pension for pension.
- Economies-of-Scale**
OPEB and pension assets aggregate and reach lower fees on tiered schedule sooner – saving money!

- Financial Stability**
Assets in the PARS Section 115 Combination Trust can be used to address unfunded liabilities.
- Flexible Investing**
Allows separate investment strategies for OPEB and pension subaccounts.
- No Set Up Cost or Minimums**
No set-up costs, no minimum annual contribution amounts, and no fees until assets are added.

The

PARS OPEB TRUST PROGRAM

for prefunding Other Post-Employment Benefits

SUMMARY OF AGENCY'S OPEB PLAN

Plan Type: IRC Section 115 Irrevocable Exclusive Benefit Trust

Trustee Approach: Discretionary

Plan Effective Date: July 20, 2011

Plan Administrator: General Manager

Current Investment Strategy: Moderate Strategic Blend (Active); Pooled

AS OF AUGUST 31, 2024:

Initial Contribution: October 2011: \$500,000

Additional Contributions: \$1,080,656

Total Contributions: \$1,580,656

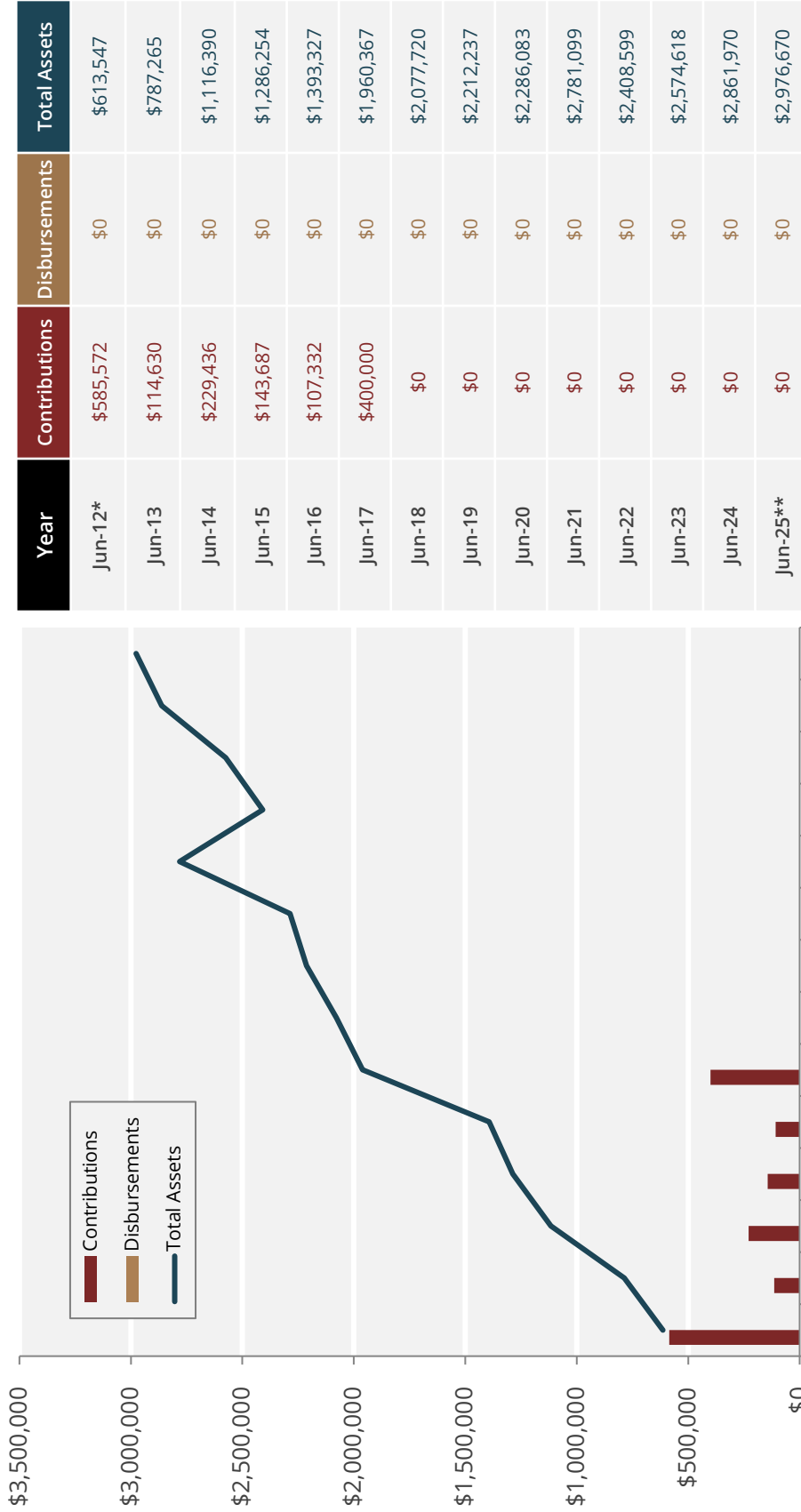
Disbursements: \$0

Net Investment Earnings: \$1,396,014

Account Balance: \$2,976,670

SUMMARY OF AGENCY'S OPEB PLAN

HISTORY OF CONTRIBUTIONS, DISBURSEMENTS, AND TOTAL ASSETS AS OF AUGUST 31, 2024:



Plan Year Ending

*Plan Year Ending June 2012 is based on 9 months of activity

**Plan Year Ending June 2025 is based on 2 months of activity

OPEB ACTUARIAL RESULTS

- We have received the actuarial report by Foster & Foster dated September 3, 2024, with a measurement date as of June 30, 2024. In the table below, we have summarized the results.

Demographic Study	Measurement Date June 30, 2023	Measurement Date June 30, 2024
Actives	9	8
Retirees	13	13
Total	22	21

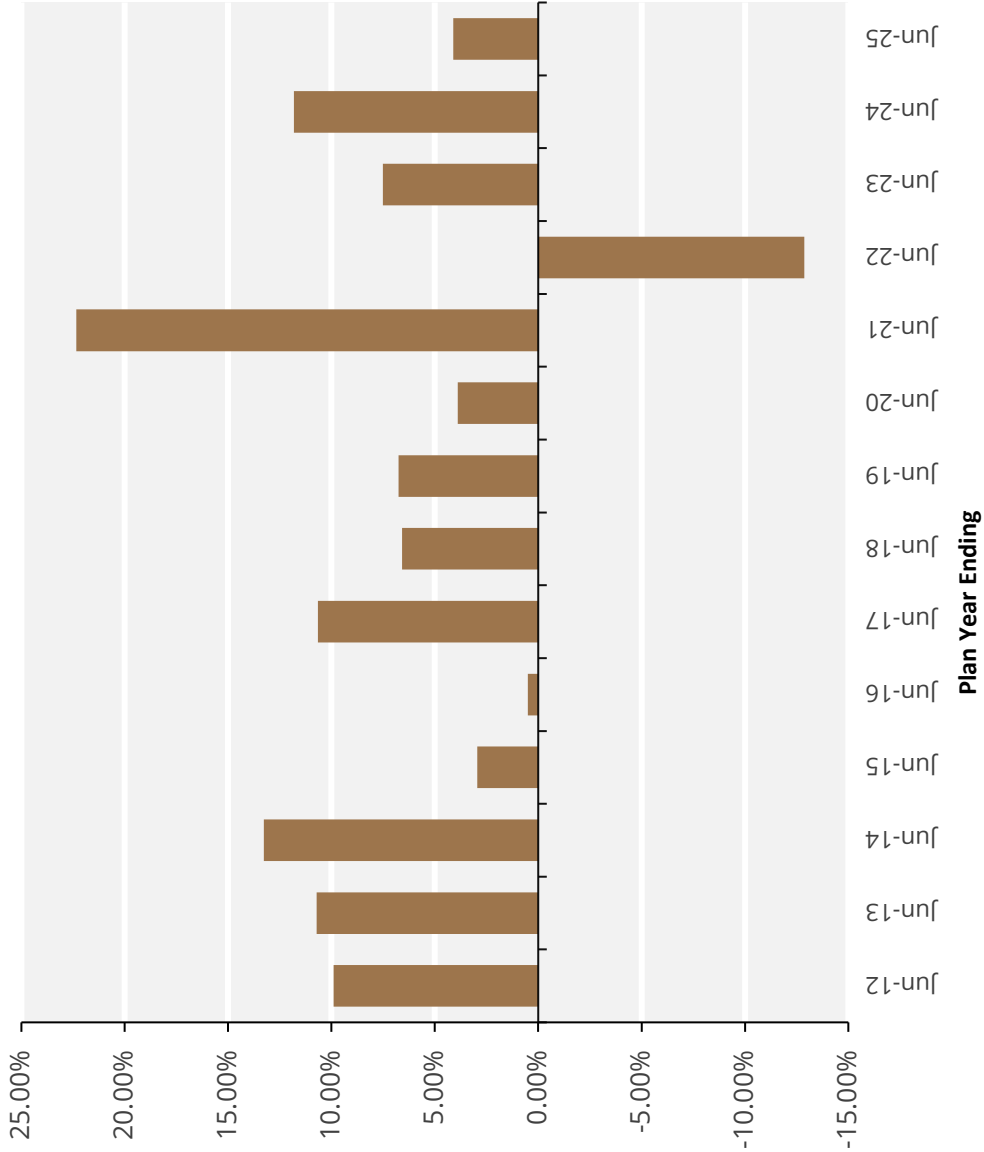
OPEB ACTUARIAL RESULTS

	Measurement Date June 30, 2023 Discount Rate: 6.00%	Measurement Date June 30, 2024 Discount Rate: 6.00%
Total OPEB Liability (TOL)	\$2,371,670	\$2,064,826
Fiduciary Net Position	\$2,574,618	\$2,861,970*
Net OPEB Liability (NOL)	(\$202,948)	(\$797,144)
Funded Ratio (%)	108.56%	138.60%
Actuarially Determined Contribution (ADC)	\$13,516 For FY 2023-24	\$37,354 for FY 2024-2025
Annual Benefit Payments (Pay-as-you-Go)	\$87,253 for FY 2022-2023	\$85,085 for FY 2023-2024

*As of August 31, 2024, assets at \$2,976,670 (approx. ~144.16% funded assuming no change in AAL).
Rule of thumb: For every one percent increase in the discount rate, the unfunded liability is lowered by 10-12%.

OPEB PLAN TOTAL RETURNS

AS OF AUGUST 31, 2024



Inception to Date (Annualized)
7.31%

*Plan Year Ending June 2012 is based on 9 months of activity

**Plan Year Ending June 2025 is based on 2 months of activity

Returns are net of the embedded fund fees and gross of trustee and trust administrator fees

Information as provided by US Bank, Trustee for PARS; Not FDIC Insured; No Bank Guarantee; May Lose Value. Past performance does not guarantee future results. Performance returns are impacted by agency plan activity and may not reflect the deduction of applicable fees, which could reduce returns. Information is deemed reliable but may be subject to change.

The advisor to the PARS portfolios is U.S. Bank, and PFM Asset Management serves as sub-advisor to U.S. Bank to manage these portfolios. Please see important additional disclosures to the PARS portfolios included in the individual strategy information at the end of this presentation.

The
**PARS PENSION RATE
STABILIZATION PROGRAM**

for prefunding pension obligations

SUMMARY OF AGENCY'S PENSION PLAN

Plan Type: IRC Section 115 Irrevocable Exclusive Benefit Trust

Trustee Approach: Discretionary

Plan Effective Date: February 21, 2018

Plan Administrator: General Manager

Current Investment Strategy: Moderate Strategic Blend (Active); Pooled

AS OF AUGUST 31, 2024:

Initial Contribution: July 2018: \$207,000

Additional Contributions: \$1,535,000

Total Contributions: \$1,742,000

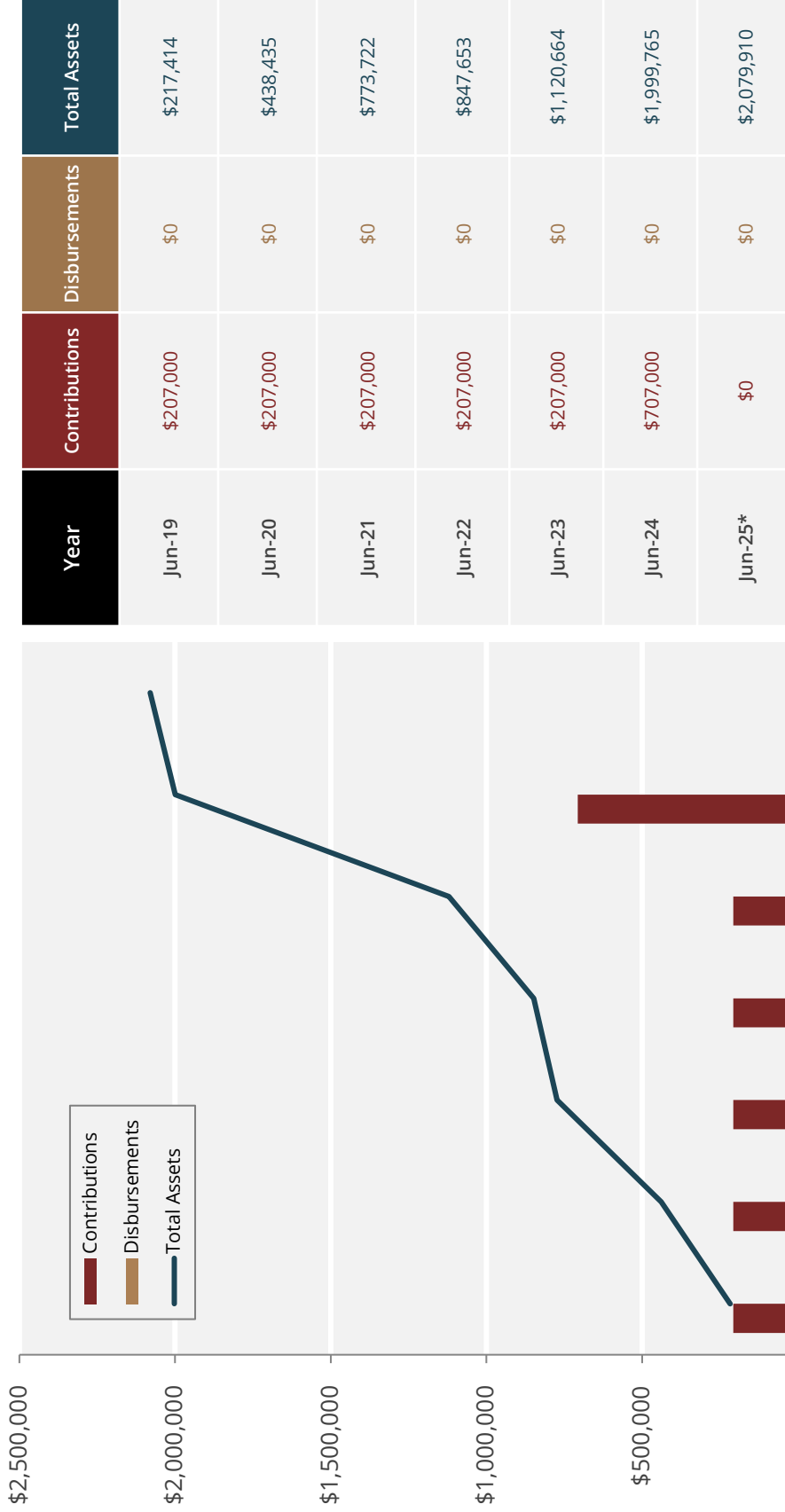
Disbursements: \$0.00

Net Investment Earnings: \$337,910

Account Balance: \$2,079,910

SUMMARY OF AGENCY'S PENSION PLAN

HISTORY OF CONTRIBUTIONS, DISBURSEMENTS, AND TOTAL ASSETS AS OF AUGUST 31, 2024:



Plan Year Ending

*Plan Year Ending June 2025 is based on 2 months of activity



PENSION FUNDING STATUS

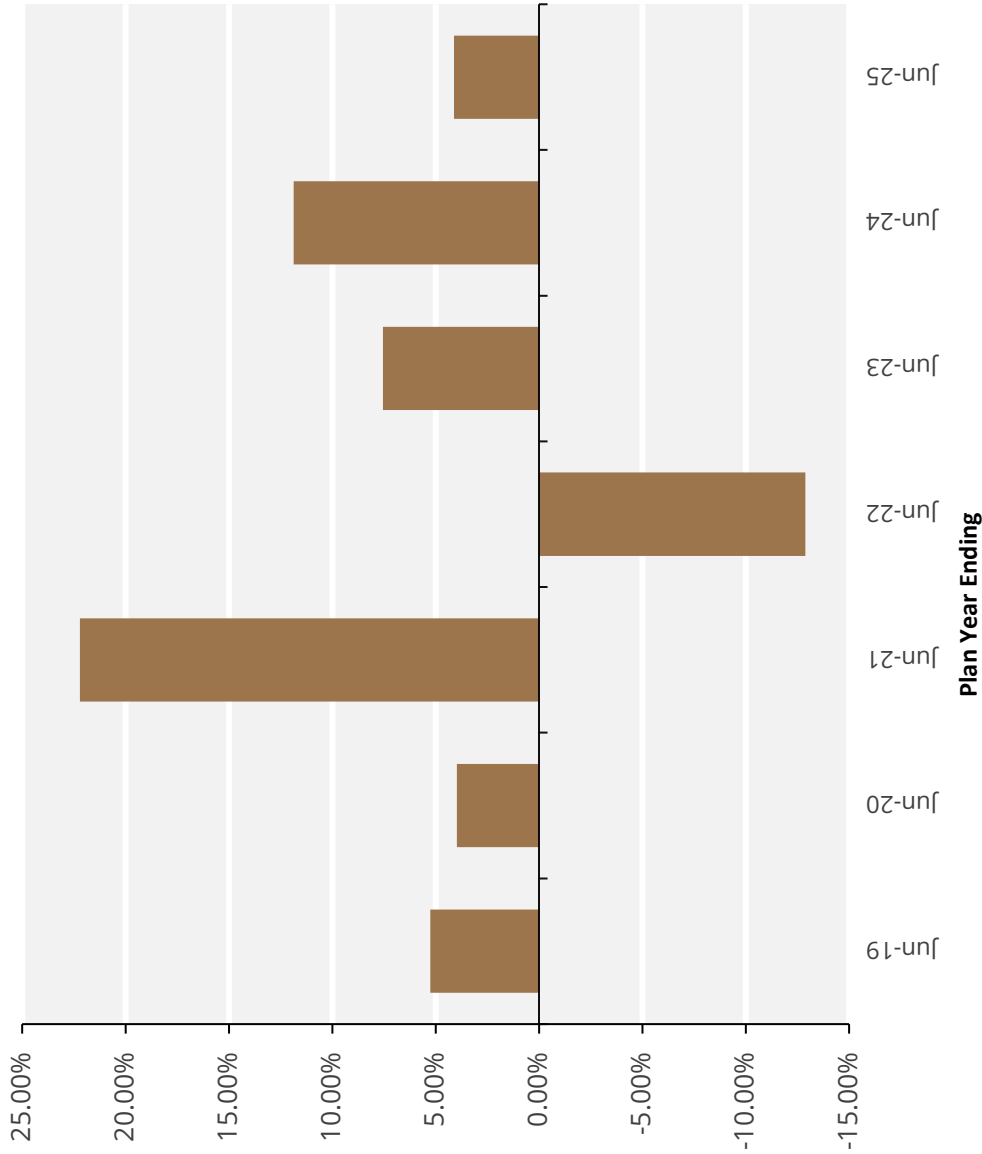
As of June 30, 2022, Municipal Water District of Orange County's CalPERS pension plan is funded as follows*:

Combined Miscellaneous Groups *	Valuation as of June 30, 2022	Valuation as of June 30, 2023	Change
Actuarial Liability	\$19.6 M	\$21.4 M	8.8% ↑
Assets	\$15.3 M	\$16.5 M	7.8% ↑
Unfunded Liability	\$4.3 M	\$4.8 M	12.4% ↑
Funded Ratio	78.1%	77.4%	0.9% ↓
Employer Contribution Amount	\$710 K (FY 23-24)	\$761 K (FY 24-25)	7.2% ↑
Employer Contribution Amount – Projected *	---	\$1.1 M (FY 30-31)	39.0% ↑

* Data through 2030-31 from Agency's latest CalPERS actuarial valuation.

PENSION PLAN TOTAL RETURNS

AS OF AUGUST 31, 2024



Inception to Date (Annualized)
6.32%

*Plan Year Ending June 2025 is based on 2 months of activity

Returns are net of the embedded fund fees and gross of trustee and trust administrator fees

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INVESTMENT REVIEW



PARS OPEB and Pension Trust Moderate Strategic Blend

Investment Performance Review For the Quarter Ended June 30, 2024

Client Management Team

PFM Asset Management

PFM Asset Management LLC

1 California Street
Suite 1000
San Francisco, CA 94111

1735 Market Street
43rd Floor
Philadelphia, PA 19103

Financial Markets & Investment Strategy Review

QUARTERLY MARKET SUMMARY

Factors to Consider Over the Next 6-12 Months

<p>Monetary Policy (Global):</p>  <ul style="list-style-type: none"> • Fed remains data dependent. Recent Fed guidance has been revised from three rate cuts to one rate cut in 2024 with markets expecting two cuts. • Globally, major central banks have begun easing cycle with rate cuts leading to divergence from Fed policy. 	<p>Economic Growth (Global):</p>  <ul style="list-style-type: none"> • U.S. economic growth remains resilient but some softness as consumer spending tapers. • Economic growth outside U.S. remain mixed with slower but improved growth projected in Eurozone and continued growth projected in emerging markets. 	<p>Inflation (U.S.):</p>  <ul style="list-style-type: none"> • The latest inflation reading has revived market confidence that inflation is heading in the right direction after experiencing broad disinflation across both goods and services. • Despite progress on inflation, policymakers would like more data to confirm the downward trend.
<p>Financial Conditions (U.S.):</p>  <ul style="list-style-type: none"> • Market measures, such as narrow corporate yield spreads, record equity index levels and low volatility, reflect economic confidence. • With interest rates elevated and the gradual normalization of labor markets and the consumer, we continue to focus on identifying potential catalysts for a broader slow down. 	<p>Consumer Spending (U.S.):</p>  <ul style="list-style-type: none"> • The consumer has begun to exercise caution and limit spending shedding light on a notable downshift over recent months. • Moderation in the pace of overall spending is expected to continue given persistent inflation, reduced/lower savings, and a cooling job market. 	<p>Labor Markets:</p>  <ul style="list-style-type: none"> • The labor market normalization has begun. After the pandemic led jolt, labor force participation rate and non-farm payrolls have moved to be in line with long term averages. • With the quits rate and excess demand for workers reaching a better balance, this should help cool wage pressures and inflation.
<p>Corporate Fundamentals:</p>  <ul style="list-style-type: none"> • Earnings growth expectations and profit margins are improving across U.S. large caps while earnings growth recovery has been slower for U.S. small-cap and international equities. • Higher cash levels especially across S&P 500 companies a positive. 	<p>Valuations:</p>  <ul style="list-style-type: none"> • U.S. equity and credit markets have experienced a run up in valuations. Any negative shock relating to economic growth could lead to sell-off. • International equities look attractive but continued economic and geopolitical uncertainty is leading to increased volatility. 	<p>Political Risks:</p>  <ul style="list-style-type: none"> • Geopolitical risks continue to remain elevated. Tensions between the U.S. and China, the war between Russia and Ukraine, the Israel and Hamas conflict, China's moves in South China Sea and Taiwan Strait further add to risks. • Elections across the globe could also lead to short-term volatility.

Current outlook
 Outlook one quarter ago
 Stance Unfavorable to Risk Assets
 Stance Favorable to Risk Assets

Negative
 Slightly Negative
 Neutral
 Slightly Positive
 Positive

Statements and opinions expressed about the next 6-12 months were developed based on our independent research with information obtained from Bloomberg. The views expressed within this material constitute the perspective and judgment of PFM Asset Management LLC at the time of distribution (June 30, 2024) and are subject to change. Information is obtained from sources generally believed to be reliable and available to the public; however, PFM Asset Management LLC cannot guarantee its accuracy, completeness, or suitability.

QUARTERLY MARKET SUMMARY

Investment Strategy Overview

Asset Class	Our Q3 2024 Investment Outlook	Comments
U.S. Equities		<ul style="list-style-type: none"> Recent earnings strength, fiscal support, and moderating inflation are positives, while rate cut uncertainty, election related volatility, higher valuations and geopolitical turbulence are negatives. The fed continues to be data dependent with recent guidance pointing to one rate cut. Given the rate cut uncertainty, we prefer to remain close to targets currently. Rising valuations for large caps are supported by improving earnings growth expectations but market breadth (measured by performance difference between equal weight and market cap weighted S&P 500) has been lagging in the recent months. Small-cap valuations are attractive and would benefit as investor sentiment/earnings growth expectations improve. Exposure to interest rate sensitive sectors such as regional banks remains a concern.
Large-Caps		
Small-Caps		
Non-U.S. Equities		<ul style="list-style-type: none"> International equities continue to trade at a discount to U.S. equities but stronger dollar and slower growth in Eurozone warrants a neutral stance.
Developed Markets		<ul style="list-style-type: none"> Recent ECB rate cuts, the recovery in manufacturing and services activity along with recent recovery in PEs are positive for developed market equities that continue to look attractive, but election related volatility needs to be watched.
Emerging Markets		<ul style="list-style-type: none"> EM equities trade at attractive valuations relative to developed market equities but strong dollar and China's uncertain growth weigh on outlook.
Fixed Income		<ul style="list-style-type: none"> The higher for longer narrative has led to increased volatility and uncertainty around rate cut path. Yields at the short-end of the curve look attractive even as long-term yields fell back from the recent highs.
Core Bonds		<ul style="list-style-type: none"> Given the rate cut scenarios, we are maintaining duration close to the benchmark duration and consider ways to close any duration gap over the next few months.
Investment Grade Credit		<ul style="list-style-type: none"> Credit markets remain attractive due to strong corporate fundamentals. We remain positive on investment-grade but are scaling down our exposure within high yield given the tighter spreads. We continue to closely watch for signs for any distress in the corporate credit space.
High Yield Credit		
Diversifying Assets		<ul style="list-style-type: none"> Lower office sector exposure, attractive valuations and possibility of rate cuts this year are positives for listed real estate while higher level of interest rates is a headwind.
Listed Real Estate		<ul style="list-style-type: none"> Transition to renewable energy and increase in AI led data center infrastructure spend are tailwinds for listed infrastructure while higher level of interest rates is a headwind.
Listed Global Infrastructure		
<p>● Current outlook ○ Outlook one quarter ago</p>		<p>Negative Slightly Negative Neutral Slightly Positive Positive</p>

The view expressed within this material constitute the perspective and judgment of PFM Asset Management LLC at the time of distribution (June 30, 2024) and are subject to change.

Plan Performance Summary

PARS OPEB and Pension Trust Moderate Strategic Blend

Asset Allocation & Performance

	Allocation		Performance(%)							
	%	1 Quarter	Year To Date	1 Year	3 Years	5 Years	7 Years	10 Years	Since Inception	Inception Date
Total Portfolio	100.00	1.24	5.26	11.70	1.50	5.86	6.10	N/A	6.82	02/01/2016
<i>Blended Benchmark</i>		<i>1.08</i>	<i>5.00</i>	<i>10.93</i>	<i>2.05</i>	<i>6.06</i>	<i>6.23</i>	<i>N/A</i>	<i>7.07</i>	
Domestic Equity	38.14	2.42	12.39	22.44	6.39	12.61	12.23	N/A	13.69	02/01/2016
<i>Russell 3000 Index</i>		<i>3.22</i>	<i>13.56</i>	<i>23.12</i>	<i>8.05</i>	<i>14.14</i>	<i>13.48</i>	<i>12.15</i>	<i>14.62</i>	
Dodge & Cox Stock	3.86	0.01	8.51	18.98	7.31	12.99	11.52	10.60	8.39	02/01/2024
iShares S&P 500 Value ETF	1.87	-2.14	5.69	15.08	9.39	11.70	10.62	9.71	5.40	02/01/2024
Columbia Contrarian Core Inst3	5.14	5.44	16.51	27.57	10.43	16.33	14.32	12.96	14.42	02/01/2024
Vanguard Growth & Income Adm	9.55	4.11	17.05	26.42	10.48	15.31	14.35	12.89	14.20	02/01/2024
Harbor Capital Appreciation Ret	3.08	6.52	21.17	36.14	7.01	18.00	18.07	N/A	16.24	02/01/2024
iShares S&P 500 Growth ETF	2.84	9.53	23.44	32.27	9.22	16.66	16.49	14.76	19.99	02/01/2024
S&P 500		4.28	15.29	24.56	10.01	15.05	14.28	12.86	13.39	
iShares Russell Mid-Cap ETF	4.86	-3.39	4.87	12.69	2.22	9.29	9.47	8.88	6.40	02/01/2024
<i>Russell Midcap Index</i>		<i>-3.35</i>	<i>4.96</i>	<i>12.88</i>	<i>2.37</i>	<i>9.46</i>	<i>9.63</i>	<i>9.04</i>	<i>6.48</i>	
Undisc Managers Behavioral Val R6	3.46	-4.32	1.80	16.22	6.66	11.22	9.24	9.14	4.00	02/01/2024
Emerald Growth Institutional	3.48	3.77	9.82	15.45	-1.31	8.12	9.30	9.51	13.67	02/01/2024
<i>Russell 2000 Index</i>		<i>-3.28</i>	<i>1.73</i>	<i>10.06</i>	<i>-2.58</i>	<i>6.94</i>	<i>6.85</i>	<i>7.00</i>	<i>5.85</i>	
International Equity	8.63	2.02	6.58	11.27	-0.31	5.75	5.19	N/A	7.39	02/01/2016
<i>MSCI AC World ex USA (Net)</i>		<i>0.96</i>	<i>5.69</i>	<i>11.62</i>	<i>0.46</i>	<i>5.55</i>	<i>5.17</i>	<i>3.84</i>	<i>7.38</i>	
MFS International Growth R6	1.10	1.45	6.36	8.73	1.87	7.29	7.89	6.73	7.19	02/01/2024
<i>MSCI AC World ex USA (Net)</i>		<i>0.96</i>	<i>5.69</i>	<i>11.62</i>	<i>0.46</i>	<i>5.55</i>	<i>5.17</i>	<i>3.84</i>	<i>6.75</i>	
Fidelity International Index	3.18	-0.27	5.50	11.37	3.07	6.65	5.86	4.47	N/A	07/01/2024
<i>MSCI EAFE (net)</i>		<i>-0.42</i>	<i>5.34</i>	<i>11.54</i>	<i>2.89</i>	<i>6.46</i>	<i>5.73</i>	<i>4.33</i>	<i>N/A</i>	
Goldman Sachs GQG Ptrns Intl Opportunities	1.19	2.98	17.01	29.38	8.70	12.11	12.09	N/A	N/A	07/01/2024
<i>MSCI AC World ex USA (Net)</i>		<i>0.96</i>	<i>5.69</i>	<i>11.62</i>	<i>0.46</i>	<i>5.55</i>	<i>5.17</i>	<i>3.84</i>	<i>N/A</i>	
Hartford Schroders Emerging Mkts Eq	3.16	5.57	9.22	11.11	-6.13	3.40	4.05	N/A	14.35	02/01/2024
<i>MSCI EM (net)</i>		<i>5.00</i>	<i>7.49</i>	<i>12.55</i>	<i>-5.07</i>	<i>3.10</i>	<i>3.54</i>	<i>2.79</i>	<i>12.72</i>	

Returns are gross of investment advisory fees and net of mutual fund fees. Returns are expressed as percentages and for periods over one year are annualized. Asset class level returns may vary from individual underlying manager returns due to cash flows. Total Portfolio returns prior to 1/1/2024 were provided by previous Advisor and believed to be accurate and reliable. Returns for January 2024 were calculated by the legacy performance system of previous Advisor and believed to be accurate and reliable.

PARS OPEB and Pension Trust Moderate Strategic Blend
Asset Allocation & Performance

As of June 30, 2024

	Allocation		Performance(%)							Inception Date
	%	1 Quarter	Year To Date	1 Year	3 Years	5 Years	7 Years	10 Years	Since Inception	
Other Growth	2.41	-2.09	N/A	N/A	N/A	N/A	N/A	N/A	1.78	02/01/2024
Cohen & Steers Inst Realty Shares	1.71	0.66	0.17	6.89	-0.13	5.30	6.50	7.19	2.35	06/01/2024
MSCI US REIT Index	0.08	0.08	-0.24	7.60	0.20	3.89	4.84	5.83	2.88	
MainStay CBRE Global Infrastructure	0.70	-0.44	-0.42	1.70	1.06	3.84	5.35	5.33	-4.03	06/01/2024
FTSE Global Core Infrastructure 50/50 Index (Net)	0.73	0.73	2.29	4.34	2.18	3.07	4.71	4.79	-2.68	
Fixed Income	45.95	0.35	-0.07	3.96	-2.09	0.43	1.29	N/A	1.69	02/01/2016
Bimbg. U.S. Aggregate	0.07	0.07	-0.71	2.63	-3.02	-0.23	0.86	1.35	1.14	
Baird Aggregate Bond Inst	11.96	0.24	-0.21	3.69	-2.73	0.24	1.25	1.75	1.20	03/01/2024
iShares Core US Aggregate Bond ETF	8.71	0.13	-0.62	2.61	-3.02	-0.26	0.83	1.31	0.97	03/01/2024
Bimbg. U.S. Aggregate	0.07	0.07	-0.71	2.63	-3.02	-0.23	0.86	1.35	0.99	
Dodge & Cox Income	11.48	0.51	0.18	4.54	-1.41	1.43	2.13	2.35	0.26	02/01/2024
PGIM Total Return Bond R6	11.54	0.47	0.61	5.10	-2.54	0.33	1.59	2.21	0.36	02/01/2024
Bimbg. U.S. Aggregate	0.07	0.07	-0.71	2.63	-3.02	-0.23	0.86	1.35	-0.44	
MainStay MacKay High Yield Corp Bond Fund	2.25	1.41	3.12	9.69	2.54	4.22	4.45	4.55	2.74	03/01/2024
ICE BofA US High Yield Index	1.09	1.09	2.62	10.45	1.65	3.73	4.10	4.21	2.29	
Cash Equivalent	4.88	1.31	2.18	4.87	2.87	1.98	1.89	N/A	1.63	02/01/2016
ICE BofA 3 Month U.S. T-Bill	1.32	1.32	2.63	5.40	3.03	2.16	2.07	1.51	1.79	
First American Government Obligation - X	4.88	1.31	2.63	5.37	3.05	2.10	1.98	N/A	2.18	02/01/2024
ICE BofA 3 Month U.S. T-Bill	1.32	1.32	2.63	5.40	3.03	2.16	2.07	1.51	2.19	

Returns are gross of investment advisory fees and net of mutual fund fees. Returns are expressed as percentages and for periods over one year are annualized. Asset class level returns may vary from individual underlying manager returns due to cash flows. Total Portfolio returns prior to 1/1/2024 were provided by previous Advisor and believed to be accurate and reliable. Returns for January 2024 were calculated by the legacy performance system of previous Advisor and believed to be accurate and reliable.

PARS OPEB and Pension Trust Moderate Strategic Blend

As of June 30, 2024

Calendar Year Comparative Performance

	Performance(%)						
	2023	2022	2021	2020	2019	2018	2017
Total Portfolio	14.07	-14.61	9.29	12.52	17.70	-4.01	13.38
Blended Benchmark	13.56	-13.74	10.21	12.02	17.66	-3.37	11.66
Domestic Equity	24.55	-18.76	23.40	18.35	29.31	-6.02	21.74
<i>Russell 3000 Index</i>	25.96	-19.21	25.66	20.89	31.02	-5.24	21.13
Dodge & Cox Stock	17.48	-7.22	31.73	7.16	24.83	-7.07	18.33
iShares S&P 500 Value ETF	22.02	-5.41	24.67	1.24	31.71	-9.09	15.19
Columbia Contrarian Core Inst3	32.21	-18.45	24.45	22.44	33.08	-8.81	21.89
Vanguard Growth & Income Adm	24.76	-17.11	29.11	18.08	29.77	-4.61	20.80
Harbor Capital Appreciation Ret	53.86	-37.67	15.74	54.56	33.39	-0.96	36.68
iShares S&P 500 Growth ETF	29.80	-29.51	31.76	33.21	30.91	-0.17	27.20
S&P 500	26.29	-18.11	28.71	18.40	31.49	-4.38	21.83
iShares Russell Mid-Cap ETF	17.07	-17.43	22.38	16.91	30.31	-9.13	18.32
<i>Russell Midcap Index</i>	17.23	-17.32	22.58	17.10	30.54	-9.06	18.52
Undisc Managers Behavioral Val R6	14.57	-1.10	34.50	3.62	23.34	-15.20	13.53
Emerald Growth Institutional	19.06	-24.50	4.04	38.85	28.70	-11.57	28.11
<i>Russell 2000 Index</i>	16.93	-20.44	14.82	19.96	25.53	-11.01	14.65
International Equity	14.02	-15.77	4.68	13.90	23.74	-15.46	30.21
<i>MSCI AC World ex USA (Net)</i>	15.62	-16.00	7.82	10.65	21.51	-14.20	27.19
MFS International Growth R6	14.96	-15.02	9.65	15.82	27.31	-8.79	32.58
<i>MSCI AC World ex USA (Net)</i>	15.62	-16.00	7.82	10.65	21.51	-14.20	27.19
Fidelity International Index	18.31	-14.24	11.45	8.17	22.00	-13.52	25.38
<i>MSCI EAFE (net)</i>	18.24	-14.45	11.26	7.82	22.01	-13.79	25.03
Goldman Sachs GQG Ptnrs Intl Opportunities	22.15	-11.10	12.49	15.77	27.64	-6.04	31.76
<i>MSCI AC World ex USA (Net)</i>	15.62	-16.00	7.82	10.65	21.51	-14.20	27.19
Hartford Schroders Emerging Mkts Eq	9.00	-22.14	-4.93	23.78	22.32	-15.42	N/A
<i>MSCI EM (net)</i>	9.83	-20.09	-2.54	18.31	18.42	-14.57	37.28
Other Growth	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cohen & Steers Inst Realty Shares	12.72	-24.73	42.47	-2.57	33.01	-3.99	7.45
<i>MSCI US REIT Index</i>	13.74	-24.51	43.06	-7.57	25.84	-4.57	5.07
MainStay CBRE Global Infrastructure	3.96	-6.08	15.22	1.17	28.46	-6.56	20.48
<i>FTSE Global Core Infrastructure 50/50 Index (Net)</i>	2.21	-4.87	14.88	-4.06	25.13	-3.99	18.39

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PARS OPEB and Pension Trust Moderate Strategic Blend

As of June 30, 2024

Calendar Year Comparative Performance

	Performance(%)						
	2023	2022	2021	2020	2019	2018	2017
Fixed Income	6.95	-12.08	-0.72	7.21	8.23	-0.39	4.37
<i>Bimbg. U.S. Aggregate</i>	5.53	-13.01	-1.55	7.51	8.72	0.01	3.54
Baird Aggregate Bond Inst	6.43	-13.35	-1.46	8.63	9.48	-0.30	4.20
iShares Core US Aggregate Bond ETF	5.59	-13.06	-1.67	7.42	8.68	-0.05	3.53
<i>Bimbg. U.S. Aggregate</i>	5.53	-13.01	-1.55	7.51	8.72	0.01	3.54
Dodge & Cox Income	7.70	-10.87	-0.91	9.45	9.73	-0.31	4.36
PGIM Total Return Bond R6	7.78	-14.86	-1.15	8.10	11.14	-0.63	6.71
<i>Bimbg. U.S. Aggregate</i>	5.53	-13.01	-1.55	7.51	8.72	0.01	3.54
MainStay MacKay High Yield Corp Bond Fund	11.97	-7.81	5.35	5.28	13.03	-1.34	6.79
<i>ICE BofA US High Yield Index</i>	13.46	-11.22	5.36	6.17	14.41	-2.27	7.48
Cash Equivalent	4.98	1.48	0.02	0.36	2.08	1.71	0.75
<i>ICE BofA 3 Month U.S. T-Bill</i>	5.02	1.46	0.05	0.67	2.28	1.87	0.86
First American Government Obligation - X	5.00	1.54	0.03	0.40	2.12	1.74	0.79
<i>ICE BofA 3 Month U.S. T-Bill</i>	5.02	1.46	0.05	0.67	2.28	1.87	0.86

Returns are gross of investment advisory fees and net of mutual fund fees. Returns are expressed as percentages and for periods over one year are annualized. Asset class level returns may vary from individual underlying manager returns due to cash flows. Total Portfolio returns prior to 1/1/2024 were provided by previous Advisor and believed to be accurate and reliable. Returns for January 2024 were calculated by the legacy performance system of previous Advisor and believed to be accurate and reliable.

PARS OPEB and Pension Trust Moderate Strategic Blend
Historical Hybrid Composition - PARS Moderate

As of June 30, 2024

Allocation Mandate	Weight (%)
Oct-2012	
Blmbg. U.S. Aggregate	33.5
S&P 500	26.5
ICE BofA 1-3 Yr. Gov/Corp	10.0
Russell 2000 Index	7.5
MSCI EAFE (net)	6.0
Russell Midcap Index	5.0
FTSE 1 Month T-Bill	5.0
MSCI EM (net)	3.3
Wilshire US REIT Index	1.8
ICE BofA US High Yield Index	1.5
Apr-2007	
S&P 500	43.0
Blmbg. U.S. Aggregate	30.0
ICE BofA 1-3 Yr. Gov/Corp	15.0
FTSE 1 Month T-Bill	5.0
MSCI EAFE (net)	5.0
Russell 2000 Index	2.0
Jul-1986	
S&P 500	50.0
Blmbg. U.S. Aggregate	30.0
ICE BofA 1-3 Yr. Gov/Corp	15.0
FTSE 1 Month T-Bill	5.0

*The benchmark for the PARS Moderate strategy defined above was assigned to the PARS OPEB and Pension Trust Moderate Strategic Blend upon its inception on February 2016

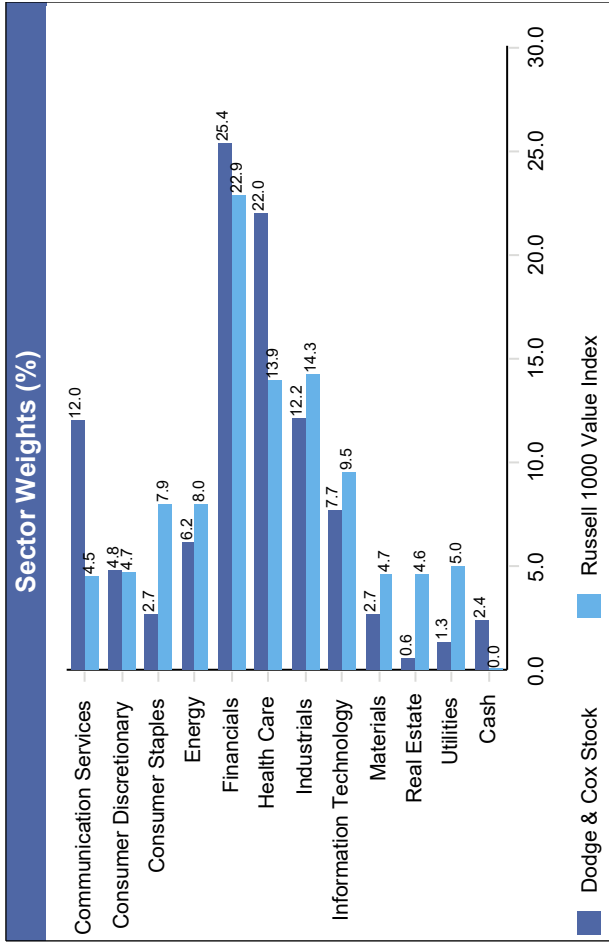
Manager Overview

Portfolio Characteristics

As of June 30, 2024

Dodge & Cox Stock vs. Russell 1000 Value Index

Portfolio Characteristics		Benchmark
Wtd. Avg. Mkt. Cap (\$M)	315,624	160,114
Median Mkt. Cap (\$M)	47,376	12,595
Price/Earnings ratio	19.55	19.03
Price/Book ratio	2.47	2.56
5 Yr. EPS Growth Rate (%)	6.36	8.50
Current Yield (%)	2.05	2.24
Number of Stocks	81	846



Top Ten Holdings				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Schwab (Charles) Corp	3.93	0.51	3.42	2.20
Wells Fargo & Co	3.58	1.01	2.57	3.05
Fiserv Inc.	3.19	0.30	2.89	-6.75
Occidental Petroleum Corp	3.15	0.20	2.95	-2.66
Alphabet Inc	2.97	0.00	2.97	20.60
RTX Corp	2.82	0.68	2.14	3.56
MetLife Inc	2.63	0.21	2.42	-4.56
Sanofi	2.60	0.00	2.60	4.01
Johnson Controls International Plc	2.56	0.21	2.35	2.31
Microsoft Corp	2.54	0.00	2.54	6.42
% of Portfolio	29.97	3.12	26.85	

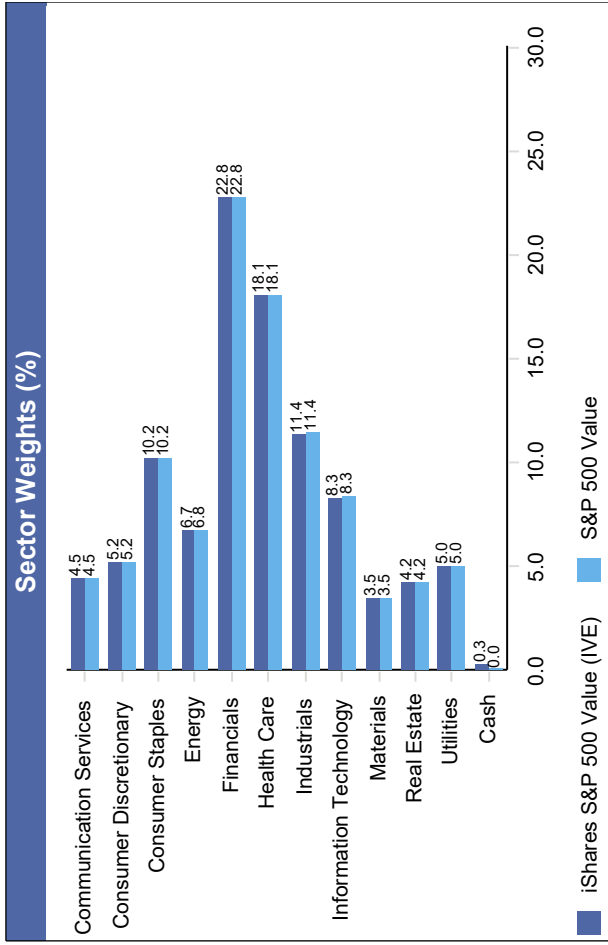
Ten Best Performers				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Alnylam Pharmaceuticals Inc	0.53	0.03	0.50	62.60
EchoStar Corp	0.15	0.00	0.15	24.98
Alphabet Inc	1.61	0.00	1.61	20.82
Alphabet Inc	2.97	0.00	2.97	20.60
Coherent Corp	0.59	0.04	0.55	19.53
HP Inc	0.85	0.11	0.74	16.76
GE Aerospace	1.57	0.81	0.76	14.47
Fox Corp	0.25	0.02	0.23	11.88
International Flavors & Fragrances Inc	1.22	0.11	1.11	11.18
Williams Cos Inc. (The)	1.05	0.24	0.81	10.33
% of Portfolio	10.79	1.36	9.43	

Portfolio Characteristics

As of June 30, 2024

iShares S&P 500 Value (IVE) vs. S&P 500 Value

Portfolio Characteristics		
	Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	187,839	188,343
Median Mkt. Cap (\$M)	31,338	31,338
Price/Earnings ratio	19.90	19.90
Price/Book ratio	2.81	2.81
5 Yr. EPS Growth Rate (%)	8.26	8.27
Current Yield (%)	2.34	2.34
Number of Stocks	439	438



Top Ten Holdings

	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Berkshire Hathaway Inc	3.78	3.79	-0.01	-3.26
JPMorgan Chase & Co	2.98	2.99	-0.01	1.57
Exxon Mobil Corp	2.65	2.66	-0.01	-0.16
Johnson & Johnson	1.81	1.81	0.00	-6.85
UnitedHealth Group Incorporated	1.49	1.50	-0.01	3.38
Walmart Inc	1.48	1.49	-0.01	12.92
Bank of America Corp	1.39	1.39	0.00	5.51
Chevron Corp	1.38	1.38	0.00	0.17
Procter & Gamble Co (The)	1.22	1.22	0.00	2.30
Costco Wholesale Corp	1.12	1.13	-0.01	16.20
% of Portfolio	19.30	19.36	-0.06	

Ten Best Performers

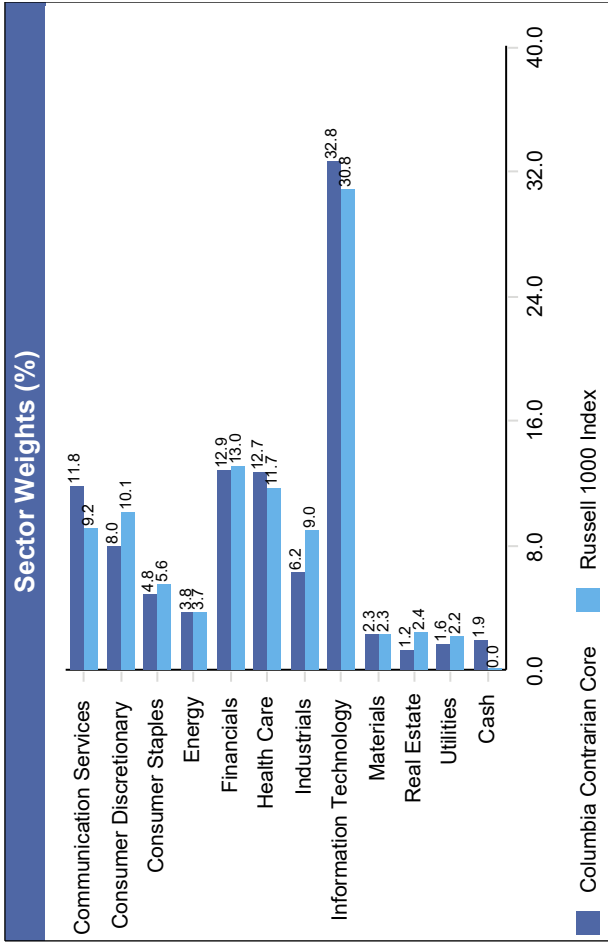
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
First Solar Inc	0.12	0.12	0.00	33.57
Teradyne Inc	0.12	0.12	0.00	31.54
GE Vernova Inc	0.14	0.14	0.00	25.42
NetApp Inc	0.09	0.09	0.00	23.29
Hewlett Packard Enterprise Co	0.14	0.14	0.00	20.11
Corning Inc	0.15	0.15	0.00	18.76
QUALCOMM Inc.	0.55	0.55	0.00	18.14
Insulet Corporation	0.05	0.05	0.00	17.74
Ventas Inc.	0.11	0.11	0.00	17.73
Newmont Corporation	0.25	0.25	0.00	17.55
% of Portfolio	1.72	1.72	0.00	

Portfolio Characteristics

As of June 30, 2024

Columbia Contrarian Core vs. Russell 1000 Index

Portfolio Characteristics		Benchmark
Wtd. Avg. Mkt. Cap (\$M)	1,065,414	921,416
Median Mkt. Cap (\$M)	125,938	13,577
Price/Earnings ratio	27.24	26.44
Price/Book ratio	5.04	4.75
5 Yr. EPS Growth Rate (%)	18.22	17.62
Current Yield (%)	1.17	1.36
Number of Stocks	77	1,004



Top Ten Holdings				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Microsoft Corp	7.60	6.70	0.90	6.42
Apple Inc	7.29	6.19	1.10	22.99
NVIDIA Corporation	7.28	5.91	1.37	36.74
Amazon.com Inc	4.91	3.51	1.40	7.13
Meta Platforms Inc	3.52	2.25	1.27	3.94
Alphabet Inc	2.62	2.18	0.44	20.82
Alphabet Inc	2.26	1.85	0.41	20.60
CASH	1.95	0.00	1.95	N/A
Elevance Health Inc	1.88	0.26	1.62	4.82
JPMorgan Chase & Co	1.79	1.18	0.61	1.57
% of Portfolio	41.10	30.03	11.07	

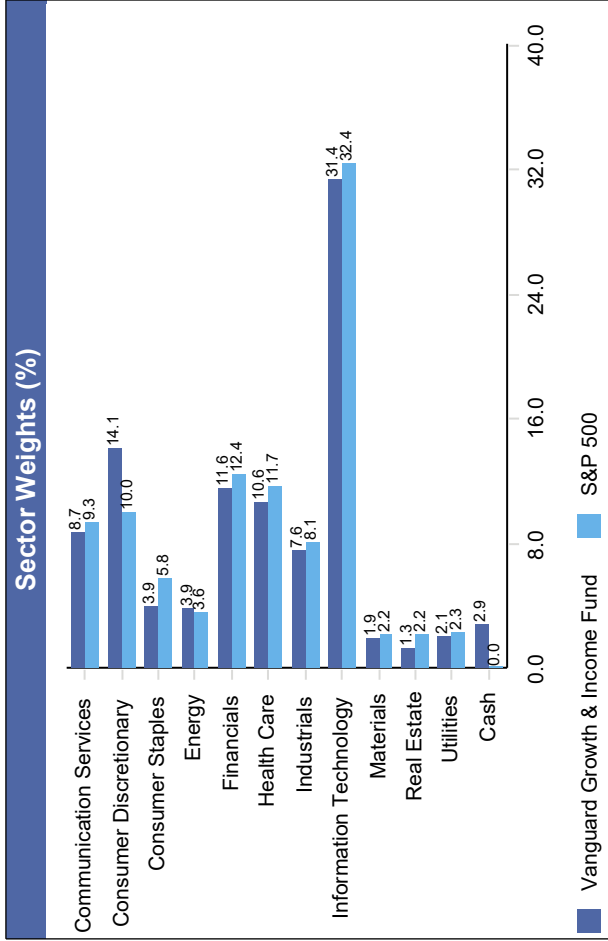
Ten Best Performers				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
NVIDIA Corporation	7.28	5.91	1.37	36.74
Pinterest Inc	0.93	0.05	0.88	27.11
GE Vernova Inc	0.16	0.09	0.07	25.42
Apple Inc	7.29	6.19	1.10	22.99
Alphabet Inc	2.62	2.18	0.44	20.82
Alphabet Inc	2.26	1.85	0.41	20.60
Palo Alto Networks Inc	0.63	0.21	0.42	19.32
QUALCOMM Inc.	0.80	0.45	0.35	18.14
Newmont Corporation	1.15	0.10	1.05	17.55
Eli Lilly and Co	1.48	1.54	-0.06	16.57
% of Portfolio	24.60	18.57	6.03	

Portfolio Characteristics

As of June 30, 2024

Vanguard Growth & Income Fund vs. S&P 500

Portfolio Characteristics		Benchmark
Wtd. Avg. Mkt. Cap (\$M)	919,467	999,085
Median Mkt. Cap (\$M)	9,669	34,742
Price/Earnings ratio	26.91	27.08
Price/Book ratio	5.25	4.96
5 Yr. EPS Growth Rate (%)	18.79	17.79
Current Yield (%)	1.20	1.37
Number of Stocks	816	503



Top Ten Holdings				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Microsoft Corp	6.67	7.25	-0.58	6.42
NVIDIA Corporation	6.61	6.63	-0.02	36.74
Amazon.com Inc	5.21	3.86	1.35	7.13
Apple Inc	4.89	6.62	-1.73	22.99
Alphabet Inc	3.14	2.33	0.81	20.82
CASH	2.88	0.00	2.88	N/A
Meta Platforms Inc	1.68	2.41	-0.73	3.94
Eli Lilly and Co	1.68	1.58	0.10	16.57
Exxon Mobil Corp	1.47	1.13	0.34	-0.16
Merck & Co Inc	1.45	0.68	0.77	-5.61
% of Portfolio	35.68	32.49	3.19	

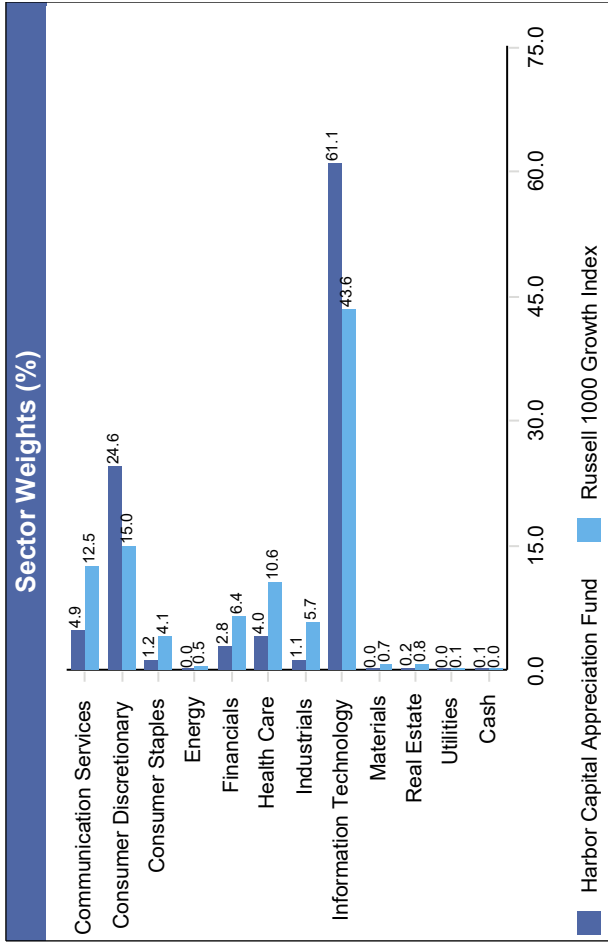
Ten Best Performers				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Gannett Co Inc	0.01	0.00	0.01	88.93
American Superconductor Corp	0.00	0.00	0.00	73.13
Alnylam Pharmaceuticals Inc	0.03	0.00	0.03	62.60
Zeta Global Holdings Corp	0.00	0.00	0.00	61.48
United States Cellular Corp	0.00	0.00	0.00	52.93
Credo Technology Group Holding Ltd	0.00	0.00	0.00	50.73
WideOpenWest Inc	0.00	0.00	0.00	49.45
Silk Road Medical Inc	0.00	0.00	0.00	47.60
CareDx Inc	0.00	0.00	0.00	46.65
Carvana Co	0.05	0.00	0.05	46.42
% of Portfolio	0.09	0.00	0.09	

Portfolio Characteristics

As of April 30, 2024

Harbor Capital Appreciation Fund vs. Russell 1000 Growth Index

Portfolio Characteristics		
	Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	1,136,180	1,169,754
Median Mkt. Cap (\$M)	138,561	18,320
Price/Earnings ratio	53.58	32.58
Price/Book ratio	15.57	10.92
5 Yr. EPS Growth Rate (%)	33.57	20.58
Current Yield (%)	0.42	0.78
Number of Stocks	53	440



Top Ten Holdings				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
NVIDIA Corporation	34.13	8.16	25.97	40.44
Chipotle Mexican Grill Inc	16.98	0.35	16.63	31.17
Broadcom Inc	16.22	2.23	13.99	10.65
Amazon.com Inc	3.25	6.27	-3.02	12.76
Microsoft Corp	3.09	11.52	-8.43	-1.90
Meta Platforms Inc	1.81	3.78	-1.97	10.38
Eli Lilly and Co	1.63	2.63	-1.00	21.20
Apple Inc	1.45	9.88	-8.43	-7.51
Advanced Micro Devices Inc	1.32	0.57	0.75	-5.55
Visa Inc	1.07	1.70	-0.63	-1.52
% of Portfolio	80.95	47.09	33.86	

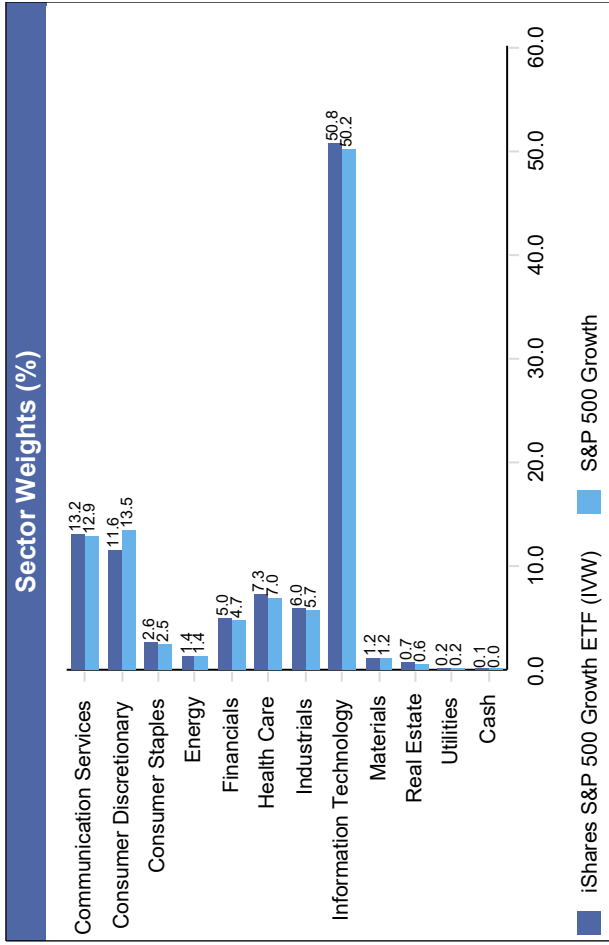
Ten Best Performers				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
NVIDIA Corporation	34.13	8.16	25.97	40.44
Chipotle Mexican Grill Inc	16.98	0.35	16.63	31.17
Eaton Corporation plc	0.32	0.00	0.32	29.74
Eli Lilly and Co	1.63	2.63	-1.00	21.20
Trade Desk Inc (The)	0.31	0.15	0.16	21.07
Progressive Corp (The)	0.19	0.36	-0.17	16.89
Alphabet Inc	0.72	3.85	-3.13	16.19
Alphabet Inc	0.72	3.29	-2.57	16.11
Walt Disney Co (The)	0.38	0.00	0.38	15.67
Astrazeneca PLC	0.46	0.00	0.46	15.61
% of Portfolio	55.84	18.79	37.05	

Portfolio Characteristics

As of June 30, 2024

iShares S&P 500 Growth ETF (IVW) vs. S&P 500 Growth

Portfolio Characteristics		
	Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	1,558,091	1,595,738
Median Mkt. Cap (\$M)	47,596	47,596
Price/Earnings ratio	35.94	36.28
Price/Book ratio	10.80	10.84
5 Yr. EPS Growth Rate (%)	24.42	24.58
Current Yield (%)	0.67	0.65
Number of Stocks	232	231



Top Ten Holdings				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Microsoft Corp	12.57	12.58	-0.01	6.42
NVIDIA Corporation	11.50	11.51	-0.01	36.74
Apple Inc	11.49	11.50	-0.01	22.99
Amazon.com Inc	4.51	6.70	-2.19	7.13
Meta Platforms Inc	4.36	4.18	0.18	3.94
Alphabet Inc	4.05	4.05	0.00	20.82
Alphabet Inc	3.39	3.39	0.00	20.60
Eli Lilly and Co	2.85	2.74	0.11	16.57
Broadcom Inc	2.76	2.65	0.11	21.53
Tesla Inc	2.17	2.08	0.09	12.57
% of Portfolio	59.65	61.38	-1.73	

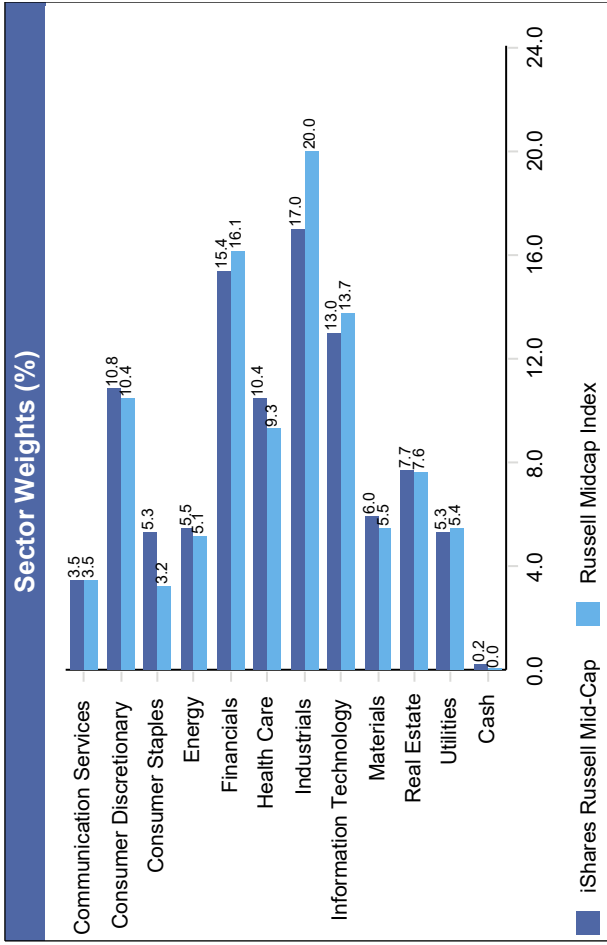
Ten Best Performers				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
NVIDIA Corporation	11.50	11.51	-0.01	36.74
GE Vernova Inc	0.08	0.08	0.00	25.42
Vistra Corp	0.11	0.11	0.00	23.75
NetApp Inc	0.04	0.04	0.00	23.29
Apple Inc	11.49	11.50	-0.01	22.99
Broadcom Inc	2.76	2.65	0.11	21.53
Monolithic Power Systems Inc	0.16	0.15	0.01	21.48
Arista Networks Inc	0.35	0.34	0.01	20.86
Alphabet Inc	4.05	4.05	0.00	20.82
Alphabet Inc	3.39	3.39	0.00	20.60
% of Portfolio	33.93	33.82	0.11	

Portfolio Characteristics

As of June 30, 2024

iShares Russell Mid-Cap vs. Russell Midcap Index

Portfolio Characteristics		Benchmark
Wtd. Avg. Mkt. Cap (\$M)	23,668	27,498
Median Mkt. Cap (\$M)	10,424	10,318
Price/Earnings ratio	20.30	20.72
Price/Book ratio	2.93	3.04
5 Yr. EPS Growth Rate (%)	13.16	13.21
Current Yield (%)	1.71	1.61
Number of Stocks	813	807



Top Ten Holdings				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Arthur J. Gallagher & Co.	0.52	0.51	0.01	3.95
Hilton Worldwide Holdings Inc	0.50	0.49	0.01	2.37
Williams Cos Inc. (The)	0.48	0.47	0.01	10.33
Aflac Incorporated	0.48	0.47	0.01	4.61
Palantir Technologies Inc	0.47	0.44	0.03	10.08
Simon Property Group Inc	0.46	0.45	0.01	-1.72
Digital Realty Trust Inc	0.45	0.43	0.02	6.42
Microchip Technology Inc	0.45	0.44	0.01	2.48
Ross Stores Inc	0.44	0.44	0.00	-0.73
ONEOK Inc	0.44	0.43	0.01	2.99
% of Portfolio	4.69	4.57	0.12	

Ten Best Performers				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
GameStop Corp.	0.06	0.06	0.00	97.20
Alnylam Pharmaceuticals Inc	0.28	0.28	0.00	62.60
Carvana Co	0.13	0.00	0.13	46.42
United Therapeutics Corp	0.13	0.13	0.00	38.67
Cirrus Logic Inc.	0.06	0.06	0.00	37.92
First Solar Inc	0.22	0.22	0.00	33.57
CAVA Group Inc	0.06	0.04	0.02	32.41
Teradyne Inc	0.21	0.21	0.00	31.54
Coca Cola Consolidated Inc	0.06	0.00	0.06	28.27
Globus Medical Inc	0.07	0.07	0.00	27.68
% of Portfolio	1.28	1.07	0.21	

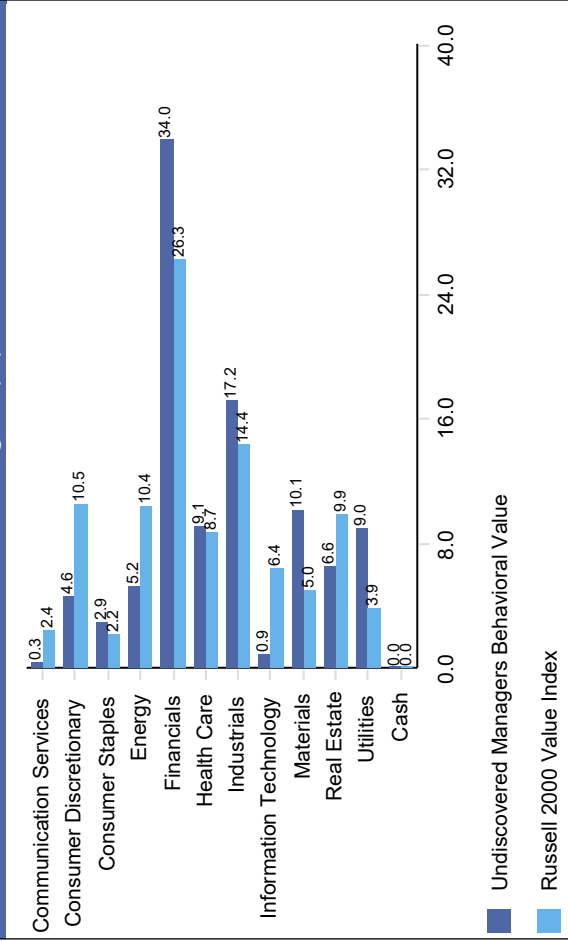
Portfolio Characteristics

As of June 30, 2024

Undiscovered Managers Behavioral Value vs. Russell 2000 Value Index

	Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	6,609	2,980
Median Mkt. Cap (\$M)	3,718	766
Price/Earnings ratio	13.67	12.76
Price/Book ratio	1.66	1.67
5 Yr. EPS Growth Rate (%)	9.23	8.91
Current Yield (%)	2.66	2.31
Number of Stocks	103	1,402

Sector Weights (%)



Top Ten Holdings

	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Citizens Financial Group Inc	3.92	0.00	3.92	0.51
KeyCorp	3.51	0.00	3.51	-8.85
Old National Bancorp	3.25	0.43	2.82	-0.43
Devon Energy Corp	3.18	0.00	3.18	-4.81
F.N.B. Corp	3.02	0.00	3.02	-2.10
Healthpeak Properties Inc	2.81	0.00	2.81	6.19
Ensign Group Inc (The)	2.67	0.00	2.67	-0.54
Graphic Packaging Holding Co	2.52	0.00	2.52	-9.85
Berry Global Group Inc	2.49	0.00	2.49	-2.26
Kemper Corp	2.49	0.00	2.49	-3.69
% of Portfolio	29.86	0.43	29.43	

Ten Best Performers

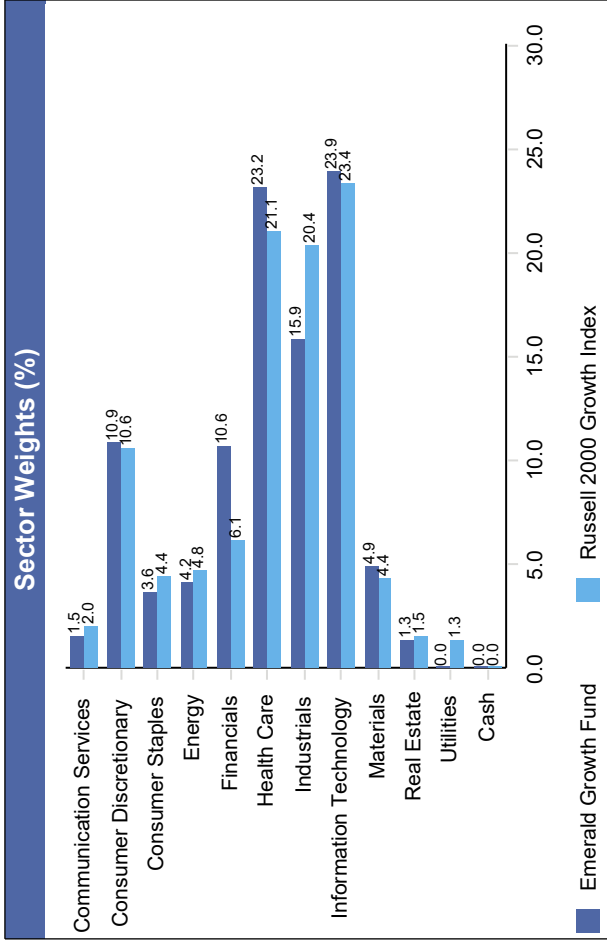
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
NCR Atleos Corp	0.61	0.00	0.61	36.81
Veradigm Inc	0.22	0.00	0.22	23.38
Primo Water Corp	1.59	0.23	1.36	20.52
Matson Inc	1.29	0.36	0.93	16.86
ABM Industries Inc	0.59	0.25	0.34	13.91
ModivCare Inc	0.22	0.00	0.22	11.90
Brink's Co (The)	1.86	0.00	1.86	11.12
ICU Medical Inc	1.70	0.00	1.70	10.65
AXIS Capital Holdings Ltd	0.82	0.00	0.82	9.34
Hyster Yale Inc	0.14	0.00	0.14	9.19
% of Portfolio	9.04	0.84	8.20	

Portfolio Characteristics

As of April 30, 2024

Emerald Growth Fund vs. Russell 2000 Growth Index

	Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	5,409	5,603
Median Mkt. Cap (\$M)	2,643	1,157
Price/Earnings ratio	22.04	21.31
Price/Book ratio	4.14	3.93
5 Yr. EPS Growth Rate (%)	18.86	20.29
Current Yield (%)	0.48	0.66
Number of Stocks	124	1,064



Top Ten Holdings

	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Super Micro Computer Inc	3.44	3.54	-0.10	62.16
Freshpet Inc	2.78	0.00	2.78	23.19
FTAI Aviation Ltd	2.64	0.57	2.07	30.80
TransMedics Group Inc	2.27	0.24	2.03	9.75
Carpenter Technology Corp	2.20	0.00	2.20	39.50
Varonis Systems Inc	1.99	0.39	1.60	-2.52
Churchill Downs Inc	1.88	0.00	1.88	6.64
ATI Inc	1.75	0.62	1.13	46.07
LivaNova PLC	1.74	0.02	1.72	14.52
Palomar Holdings Inc	1.74	0.16	1.58	31.40
% of Portfolio	22.43	5.54	16.89	

Ten Best Performers

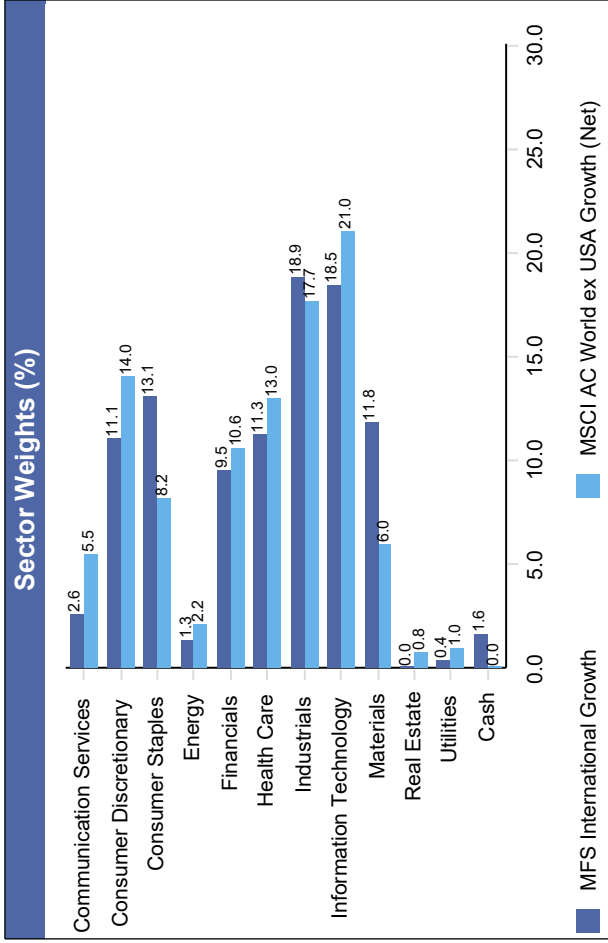
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Viking Therapeutics Inc	1.04	0.66	0.38	229.66
Impinj Inc	1.19	0.30	0.89	64.34
Super Micro Computer Inc	3.44	3.54	-0.10	62.16
MediaAlpha Inc	0.56	0.03	0.53	58.82
LendingTree Inc	0.58	0.01	0.57	49.26
Montrose Environmental Group Inc	1.49	0.10	1.39	48.65
ATI Inc	1.75	0.62	1.13	46.07
Celsius Holdings Inc	0.18	0.00	0.18	42.83
Carpenter Technology Corp	2.20	0.00	2.20	39.50
Arlo Technologies Inc	0.06	0.08	-0.02	39.42
% of Portfolio	12.49	5.34	7.15	

Portfolio Characteristics

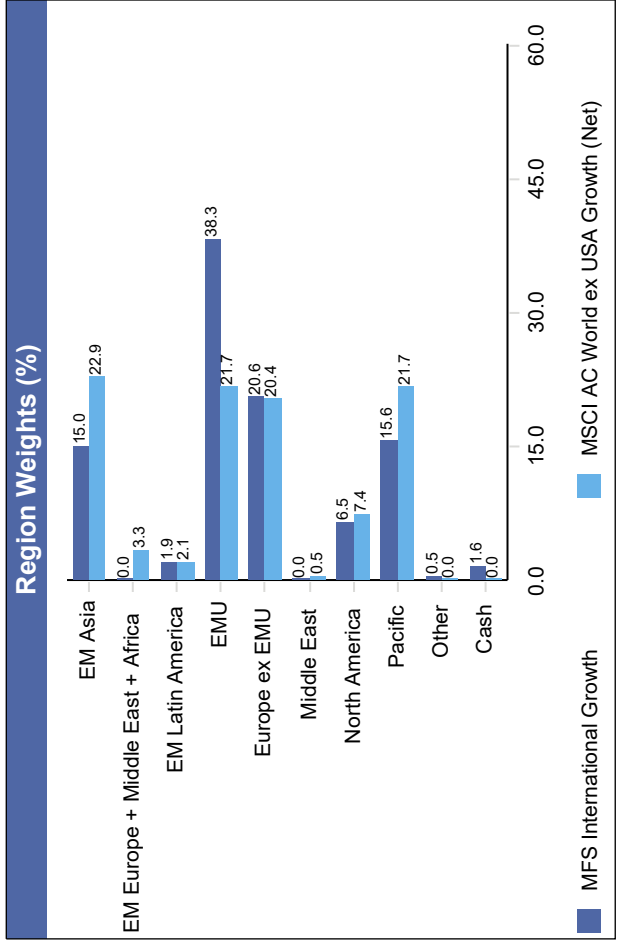
As of June 30, 2024

MFS International Growth vs. MSCI AC World ex USA Growth (Net)

	Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	142,277	152,711
Median Mkt. Cap (\$M)	31,027	8,853
Price/Earnings ratio	20.68	23.43
Price/Book ratio	3.34	3.76
5 Yr. EPS Growth Rate (%)	10.94	13.82
Current Yield (%)	2.06	1.67
Number of Stocks	87	1,227



	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
SAP SE	5.05	1.60	3.45	5.51
Schneider Electric S E	4.36	0.99	3.37	7.77
Hitachi Ltd	3.98	0.78	3.20	21.83
Nestle SA, Cham Und Vevey	3.77	1.33	2.44	-0.92
Taiwan Semicon Manu Co ADR	3.34	5.53	-2.19	28.16
Roche Holding AG	3.25	0.07	3.18	8.87
Heineken NV	3.02	0.21	2.81	1.45
LVMH Moet Hennessy Louis Vuit	2.96	1.59	1.37	-14.26
Linde Plc	2.57	0.00	2.57	-5.19
Amadeus IT Group SA	2.15	0.23	1.92	3.74
% of Portfolio	34.45	12.33	22.12	

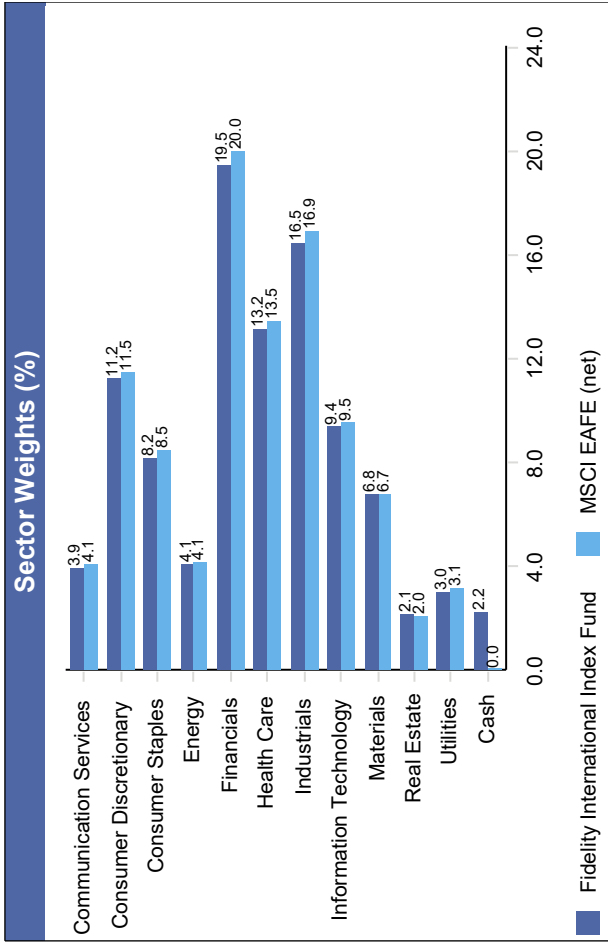


Portfolio Characteristics

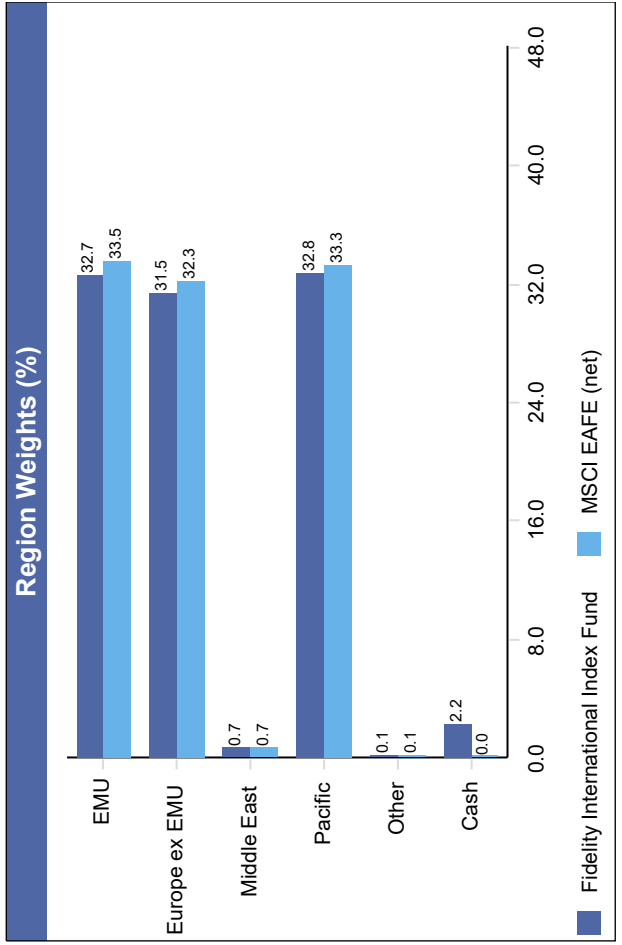
As of June 30, 2024

Fidelity International Index Fund vs. MSCI EAFE (net)

	Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	98,356	100,942
Median Mkt. Cap (\$M)	13,547	13,989
Price/Earnings ratio	16.71	16.74
Price/Book ratio	2.66	2.67
5 Yr. EPS Growth Rate (%)	9.03	9.12
Current Yield (%)	3.13	3.13
Number of Stocks	768	742



	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Novo Nordisk A/S	2.78	2.85	-0.07	13.26
ASML Holding NV	2.45	2.50	-0.05	7.46
CASH	2.23	0.00	2.23	N/A
Nestle SA, Cham Und Vevey	1.60	1.65	-0.05	-0.92
Astrazeneca PLC	1.43	1.46	-0.03	15.79
Shell Plc	1.37	1.39	-0.02	9.07
Novartis AG	1.29	1.28	0.01	10.33
Toyota Motor Corp	1.28	1.31	-0.03	-18.37
SAP SE	1.25	1.28	-0.03	5.51
LVMH Moet Hennessy Louis Vuitton	1.24	1.27	-0.03	-14.26
% of Portfolio	16.92	14.99	1.93	

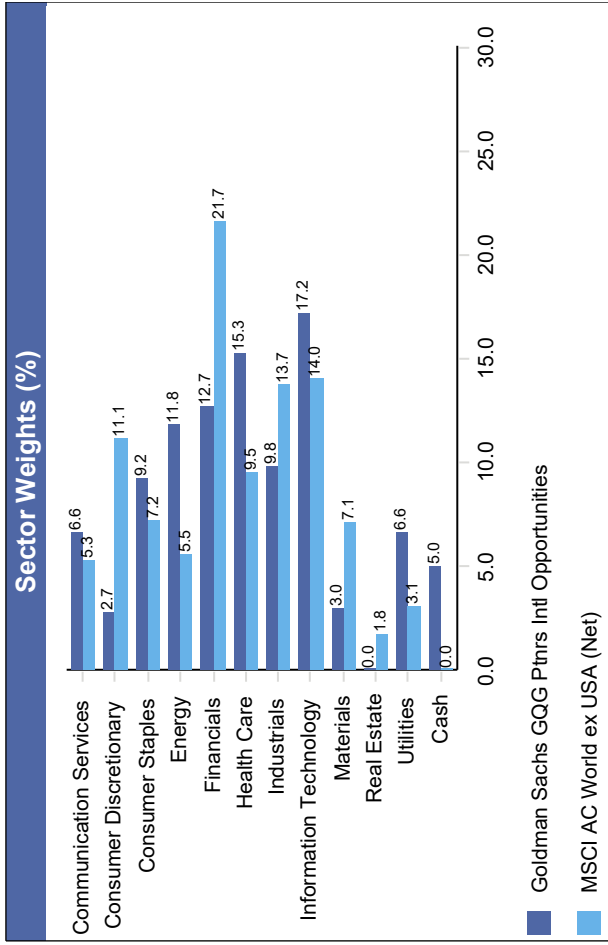


Portfolio Characteristics

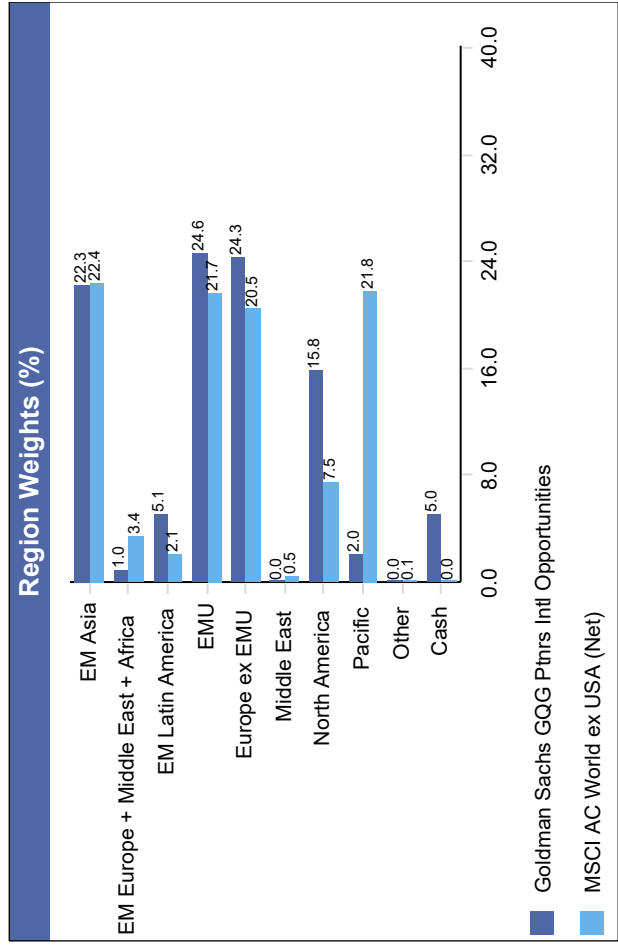
As of June 30, 2024

Goldman Sachs GQG Ptnrs Intl Opportunities vs. MSCI AC World ex USA (Net)

	Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	332,297	112,367
Median Mkt. Cap (\$M)	80,043	9,176
Price/Earnings ratio	19.78	16.27
Price/Book ratio	3.86	2.57
5 Yr. EPS Growth Rate (%)	19.35	10.28
Current Yield (%)	2.85	3.02
Number of Stocks	71	2,159



	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Novo Nordisk A/S	7.93	1.81	6.12	13.26
CASH	5.00	0.00	5.00	N/A
Astrazeneca PLC	4.78	0.93	3.85	15.79
TotalEnergies SE	4.09	0.55	3.54	-1.30
NVIDIA Corporation	3.59	0.00	3.59	36.74
ASML Holding NV	3.25	1.59	1.66	7.46
SAP SE	2.69	0.81	1.88	5.51
Taiwan Semicon Manu Co	2.61	2.82	-0.21	22.80
Glencore Plc	2.59	0.23	2.36	4.88
Adani Power Ltd	2.52	0.03	2.49	34.64
% of Portfolio	39.05	8.77	30.28	

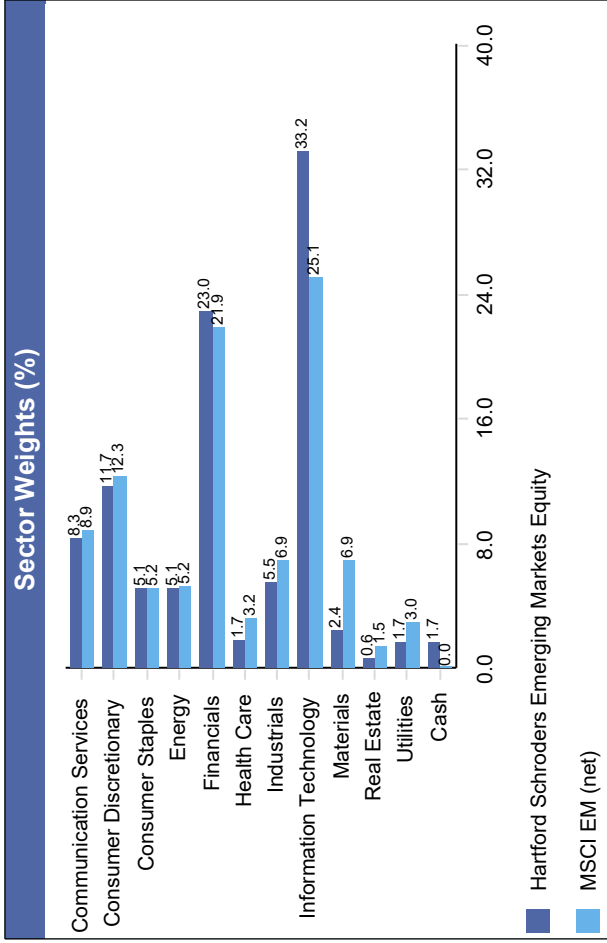


Portfolio Characteristics

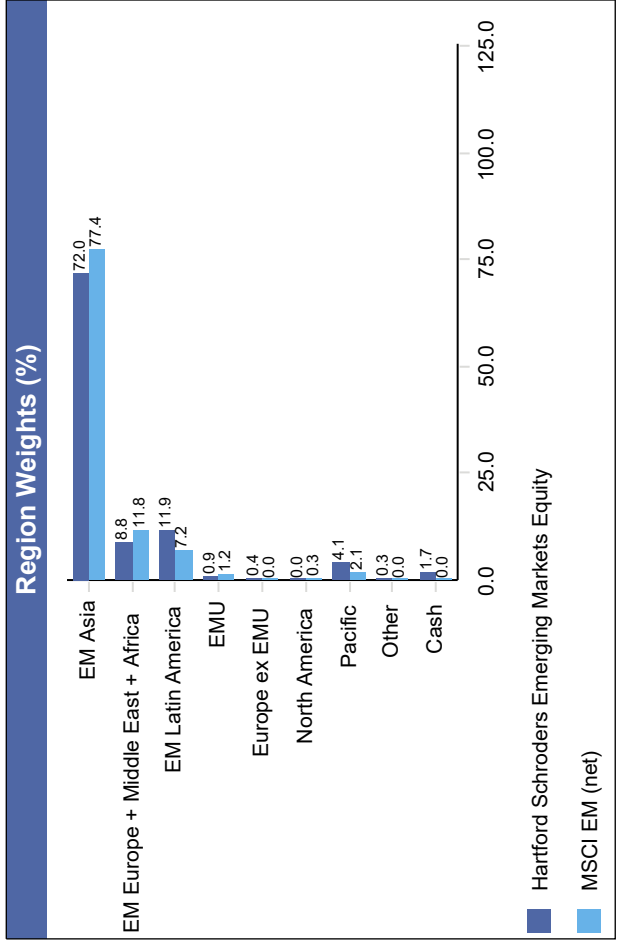
As of June 30, 2024

Hartford Schroders Emerging Markets Equity vs. MSCI EM (net)

Portfolio Characteristics	
Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	152,426
Median Mkt. Cap (\$M)	7,008
Price/Earnings ratio	15.38
Price/Book ratio	2.62
5 Yr. EPS Growth Rate (%)	13.55
Current Yield (%)	2.75
Number of Stocks	1,330



Top Ten Holdings			
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)
Taiwan Semicon Manu Co	11.87	9.72	2.15
Samsung Electronics Co Ltd	6.58	3.75	2.83
Tencent Holdings LTD	5.74	4.18	1.56
Hon Hai Precision Industry Co Ltd	2.26	1.09	1.17
Axis Bank Ltd	2.18	0.46	1.72
SK Hynix Inc	2.03	1.24	0.79
Mediatek Incorporation	1.93	0.87	1.06
Icici Bank Ltd	1.91	0.99	0.92
Reliance Industries Ltd	1.87	1.51	0.36
Meituan	1.79	0.96	0.83
% of Portfolio	38.16	24.77	13.39



Portfolio Characteristics

Cohen & Steers Institutional Realty Shares

As of June 30, 2024

Portfolio Characteristics

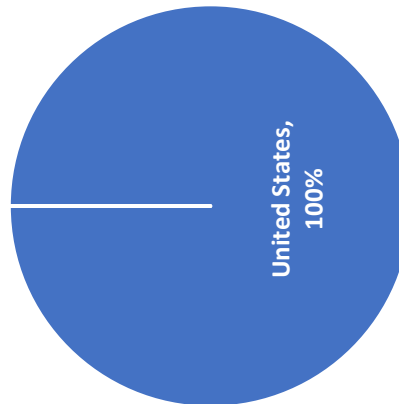
Net Assets (\$ millions)	6,710
Inception Date	2/14/2000
Gross Expense Ratio	0.76%
Net Expense Ratio	0.75%
Number of Holdings	32
Turnover Rate	32%
Wgt. Avg. Market Cap. (\$ millions)	46,340
12-Month Distribution Yield	3.14%
30-Day SEC Yield	2.39%

Top 10 Holdings

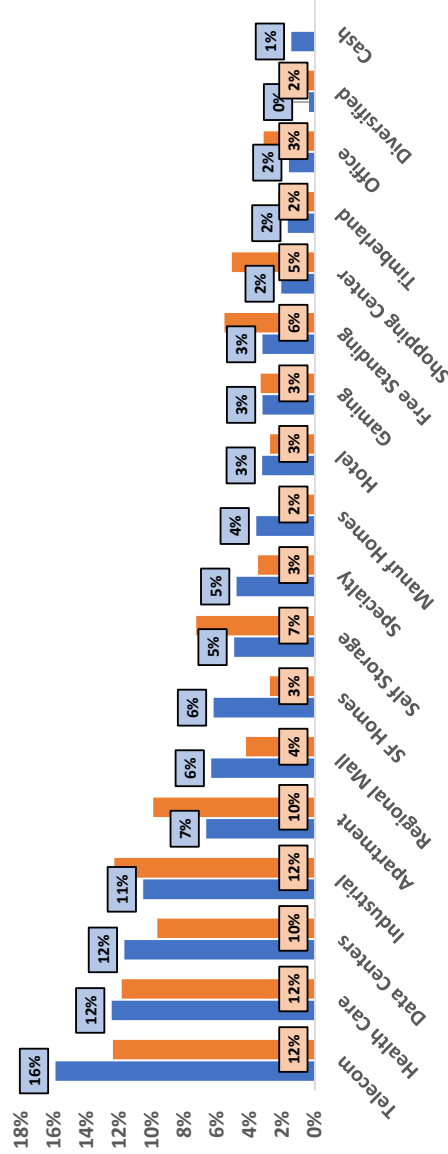
American Tower Corporation	Telecommunications	9.73%
Weiltower, Inc.	Health Care	8.91%
Prologis, Inc.	Industrial	8.33%
Digital Realty Trust, Inc.	Data Centers	7.63%
Simon Property Group, Inc.	Regional Mall	6.36%
Crown Castle International Corp.	Telecommunications	5.62%
Iron Mountain Incorporated	Specialty	4.80%
Invitation Homes, Inc.	Single Family Homes	4.67%
Equinix, Inc.	Data Centers	4.06%
Sun Communities, Inc.	Manufactured Homes	3.24%

Portfolio	Benchmark ¹	Active Weight
9.73%	7.26%	2.47%
8.91%	4.93%	3.98%
8.33%	8.30%	0.03%
7.63%	3.92%	3.71%
6.36%	3.93%	2.43%
5.62%	3.39%	2.23%
4.80%	2.09%	2.71%
4.67%	1.76%	2.91%
4.06%	5.73%	-1.67%
3.24%	1.19%	2.05%

Geographic Exposure



Sector Exposure vs. Benchmark¹



(1) Cohen & Steers uses the FTSE Nareit All Equity REIT Index as its preferred benchmark for this strategy.

Portfolio Characteristics

MainStay CBRE Global Infrastructure Fund

As of June 30, 2024

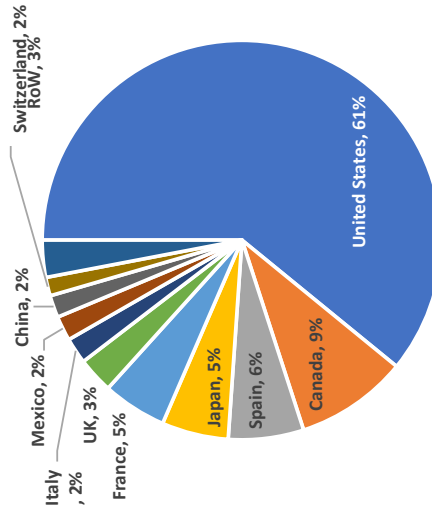
Portfolio Characteristics

Net Assets (\$ millions)	815
Inception Date	6/28/2013
Gross Expense Ratio	1.02%
Net Expense Ratio	0.97%
Number of Holdings	53
Turnover Rate	47%
Wgt. Avg. Market Cap. (\$ millions)	37,300
12-Month Distribution Yield	2.25%
30-Day SEC Yield	2.41%

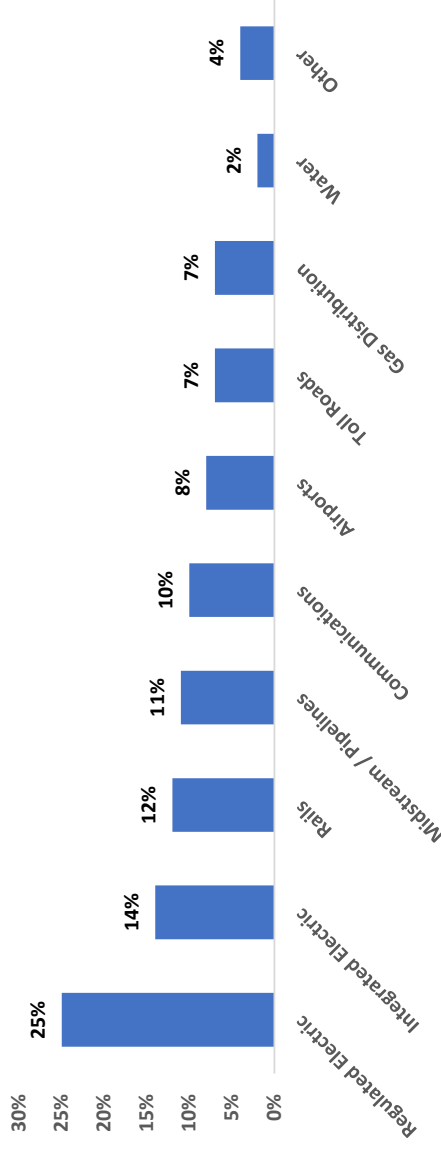
Top 10 Holdings

Company	Industry	Country	Portfolio
Targa Resources Corp.	Midstream / Pipelines	United States	4.60%
WEC Energy Group, Inc.	Regulated Electric	United States	4.40%
CSX Corporation	Rail	United States	4.00%
Atmos Energy Corp.	Gas Distribution	United States	3.90%
Canadian National Railway	Rail	Canada	3.80%
American Tower Corp.	Communications	United States	3.60%
Nextera Energy Inc.	Integrated Electric	United States	3.60%
Pembina Pipeline Corp.	Midstream / Pipelines	Canada	3.40%
Sempra Energy	Integrated Electric	United States	3.40%
AENA SME SA	Airports	Spain	3.40%

Geographic Exposure



Sector Exposure



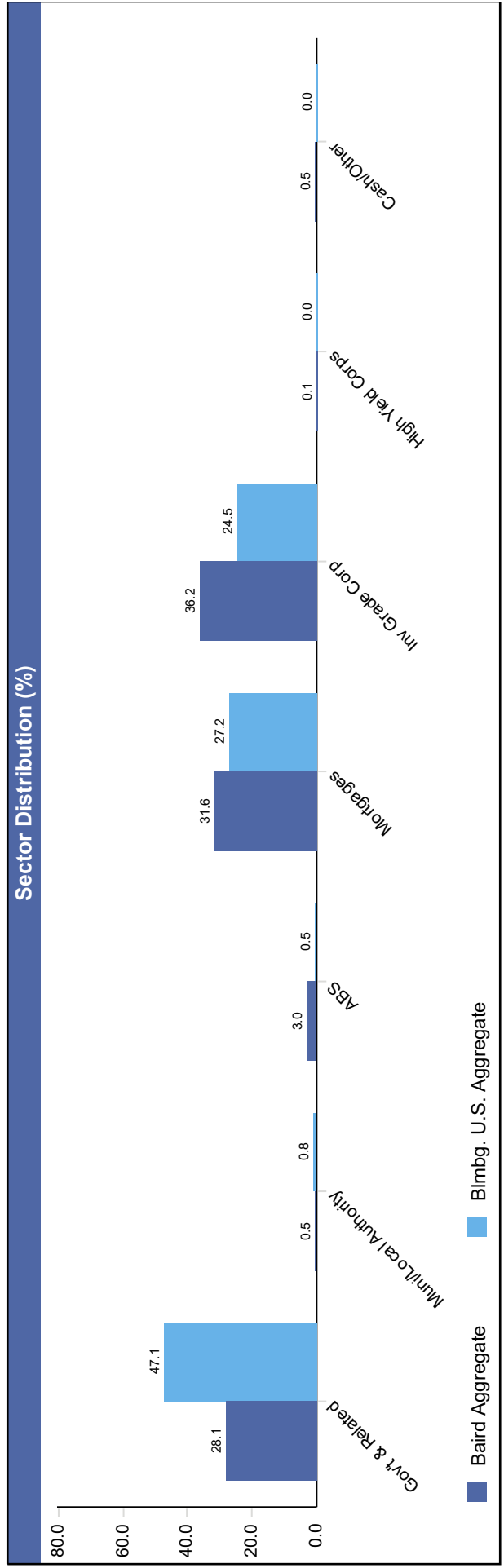
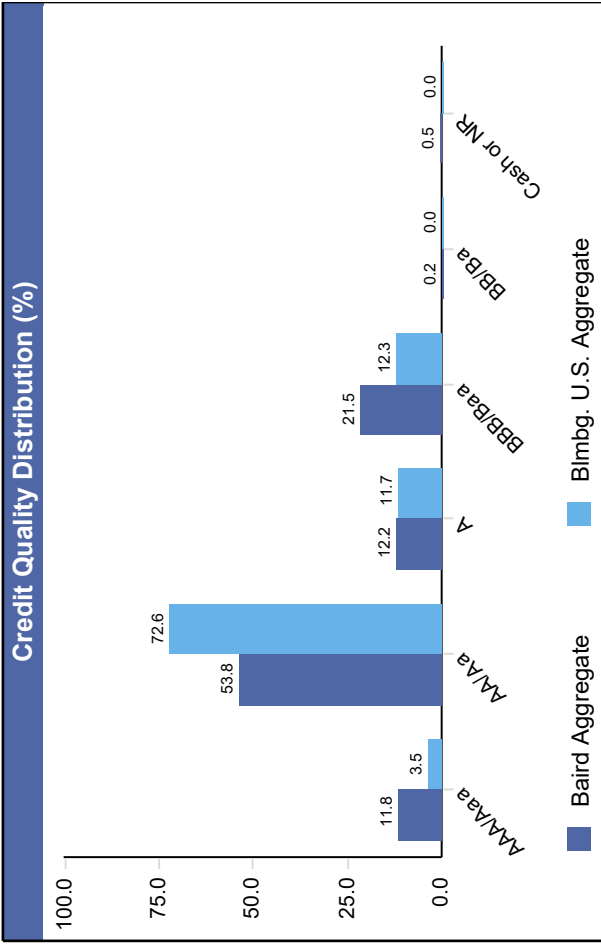
■ MainStay CBRE Global Infrastructure Fund

Portfolio Characteristics

As of June 30, 2024

Baird Aggregate vs. Blmbg. U.S. Aggregate

Portfolio Characteristics		Benchmark	
Effective Duration	6.13	6.13	
Yield To Maturity (%)	5.23	5.00	
Avg. Maturity	8.23	8.43	
Avg. Quality	AA	AA	
Coupon Rate (%)	3.55	3.30	

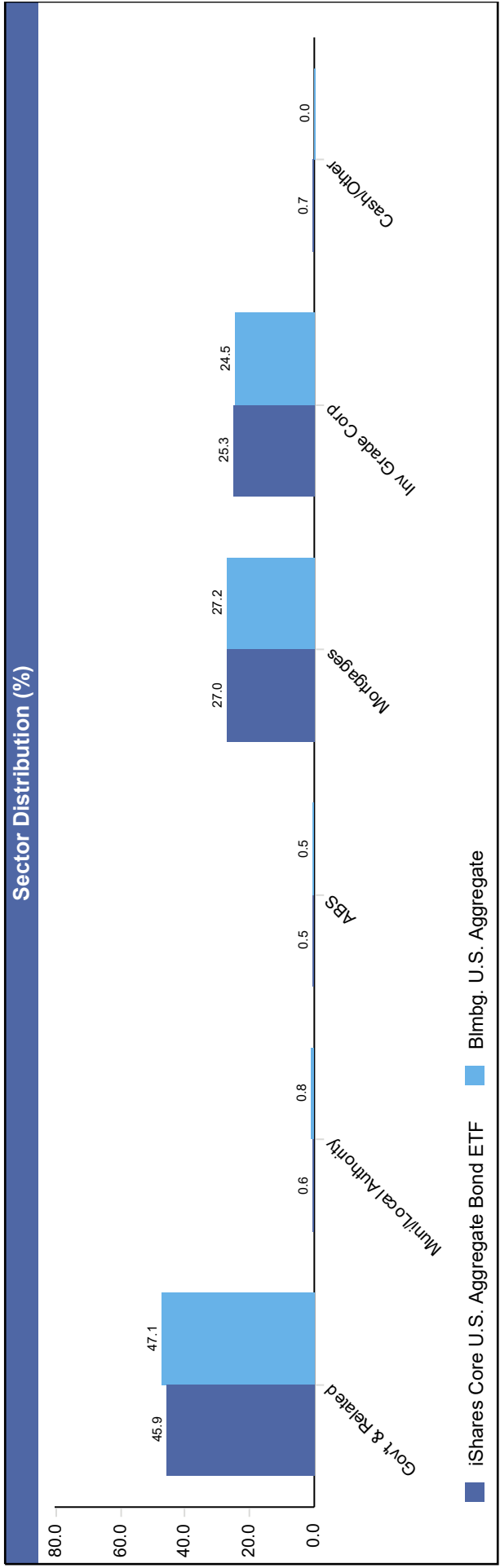
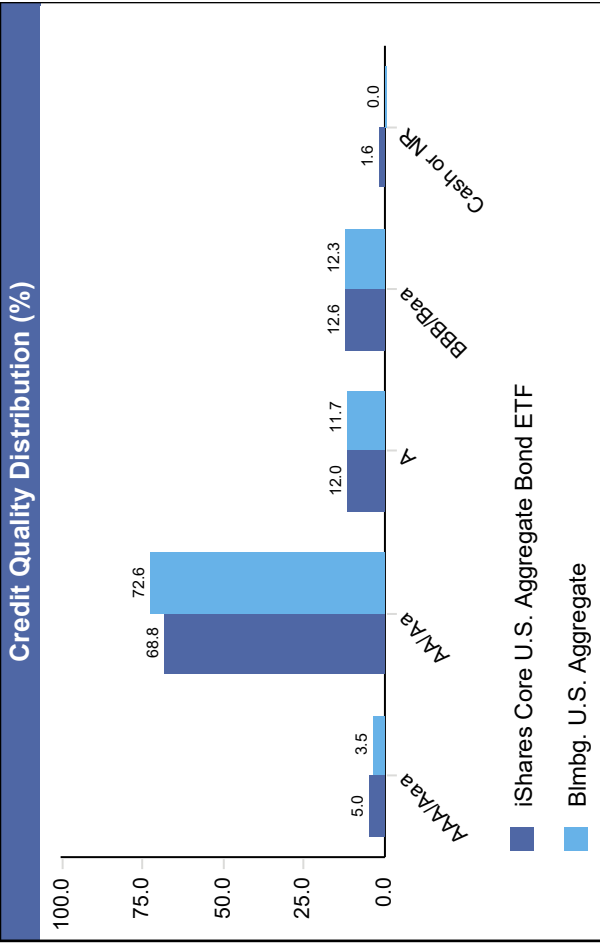


Portfolio Characteristics

As of June 30, 2024

iShares Core U.S. Aggregate Bond ETF vs. Blmbg. U.S. Aggregate

Portfolio Characteristics		
	Portfolio	Benchmark
Effective Duration	6.09	6.13
Yield To Maturity (%)	5.01	5.00
Avg. Maturity	8.50	8.43
Avg. Quality	AA	AA
Coupon Rate (%)	3.36	3.30

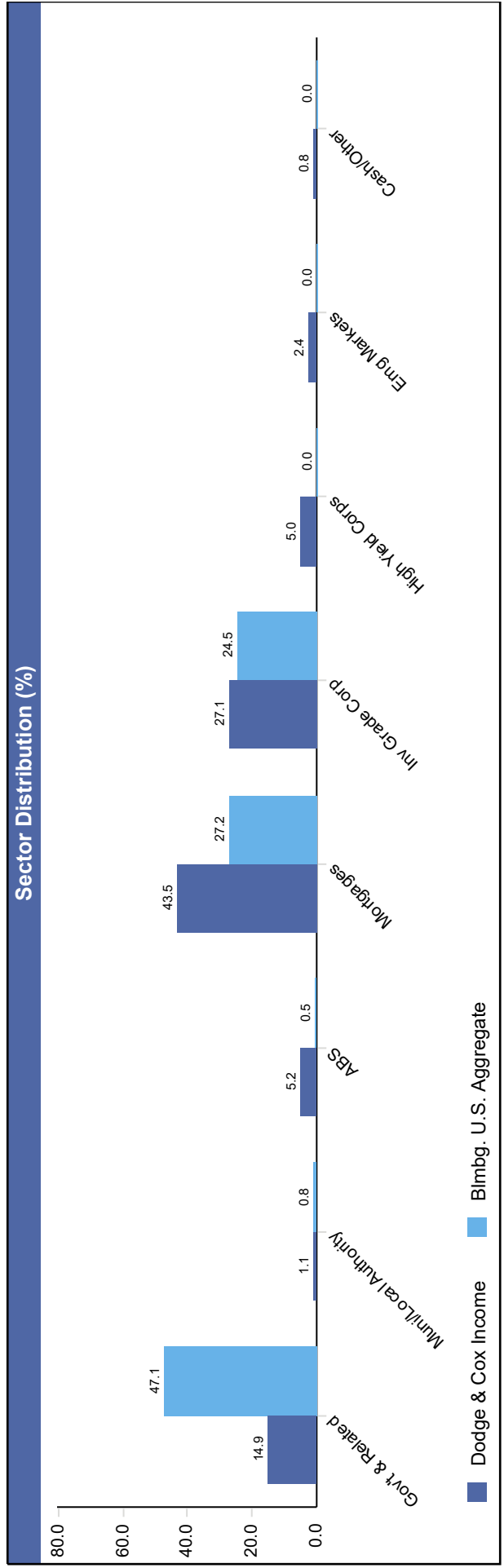
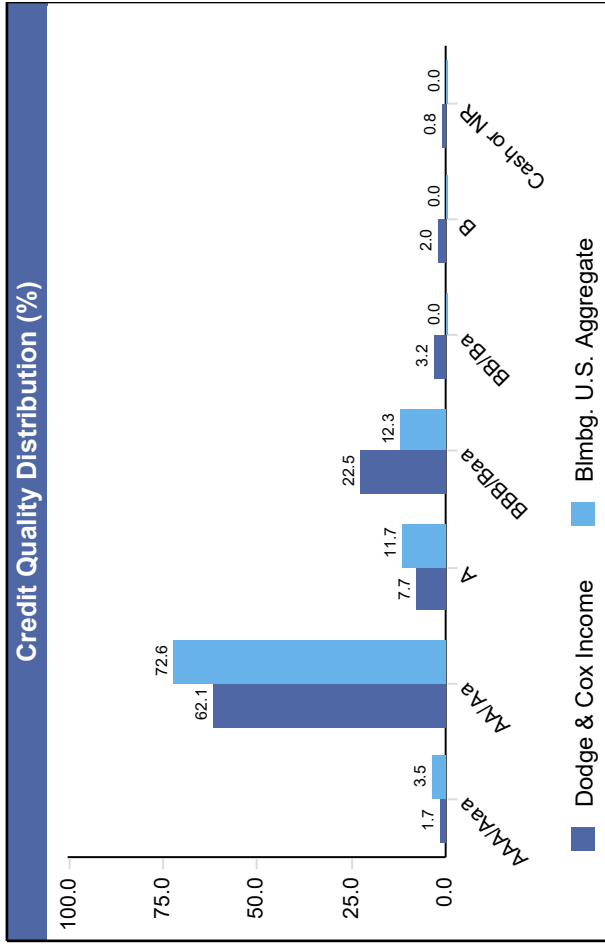


Portfolio Characteristics

As of June 30, 2024

Dodge & Cox Income vs. Blimbg. U.S. Aggregate

Portfolio Characteristics		Benchmark	
Effective Duration	6.20	Effective Duration	6.13
Yield To Maturity (%)	5.50	Yield To Maturity (%)	5.00
Avg. Maturity	9.90	Avg. Maturity	8.43
Avg. Quality	A	Avg. Quality	AA
Coupon Rate (%)	4.28	Coupon Rate (%)	3.30

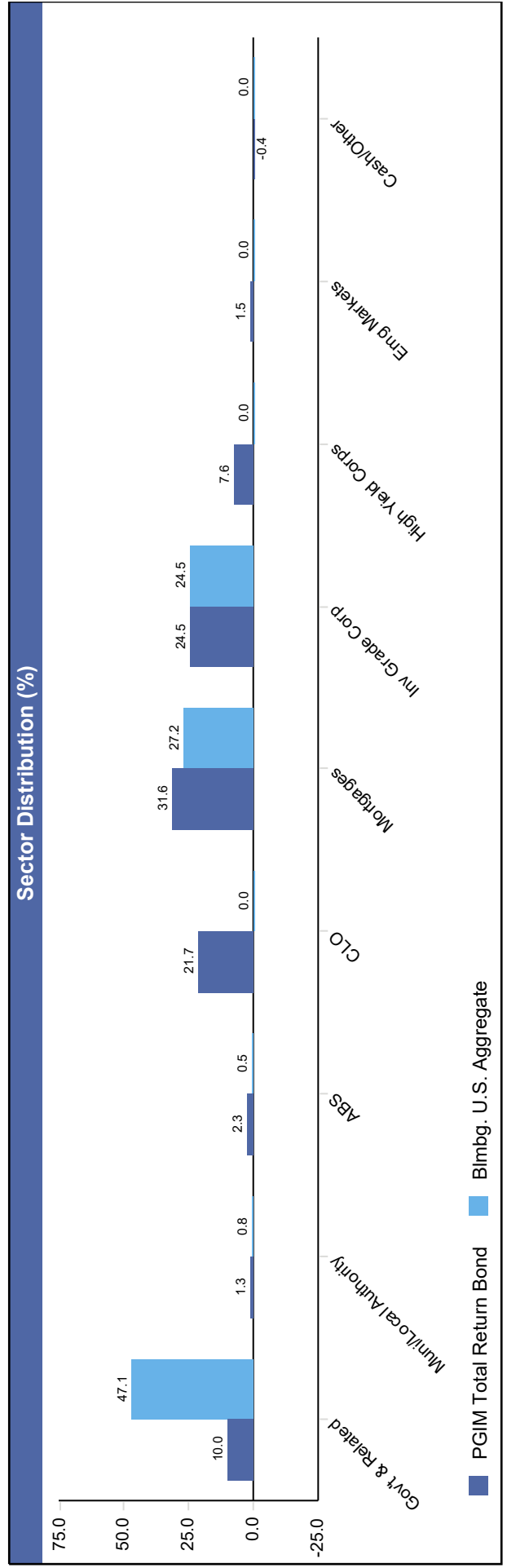
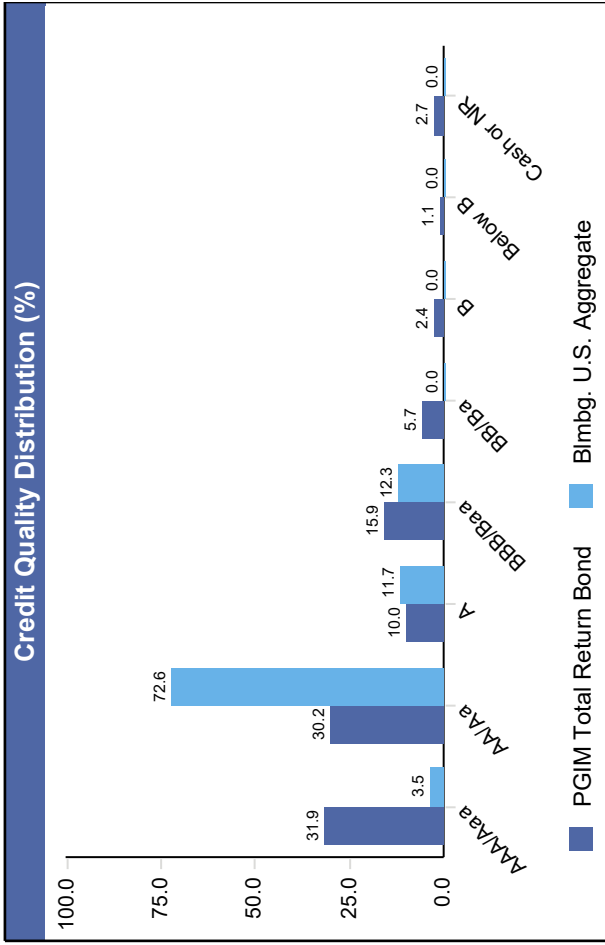


Portfolio Characteristics

As of June 30, 2024

PGIM Total Return Bond vs. Blmbg. U.S. Aggregate

Portfolio Characteristics		Benchmark	
Effective Duration	6.05	Effective Duration	6.13
Yield To Maturity (%)	6.52	Yield To Maturity (%)	5.00
Avg. Maturity	8.02	Avg. Maturity	8.43
Avg. Quality	AA	Avg. Quality	AA
Coupon Rate (%)	4.33	Coupon Rate (%)	3.30

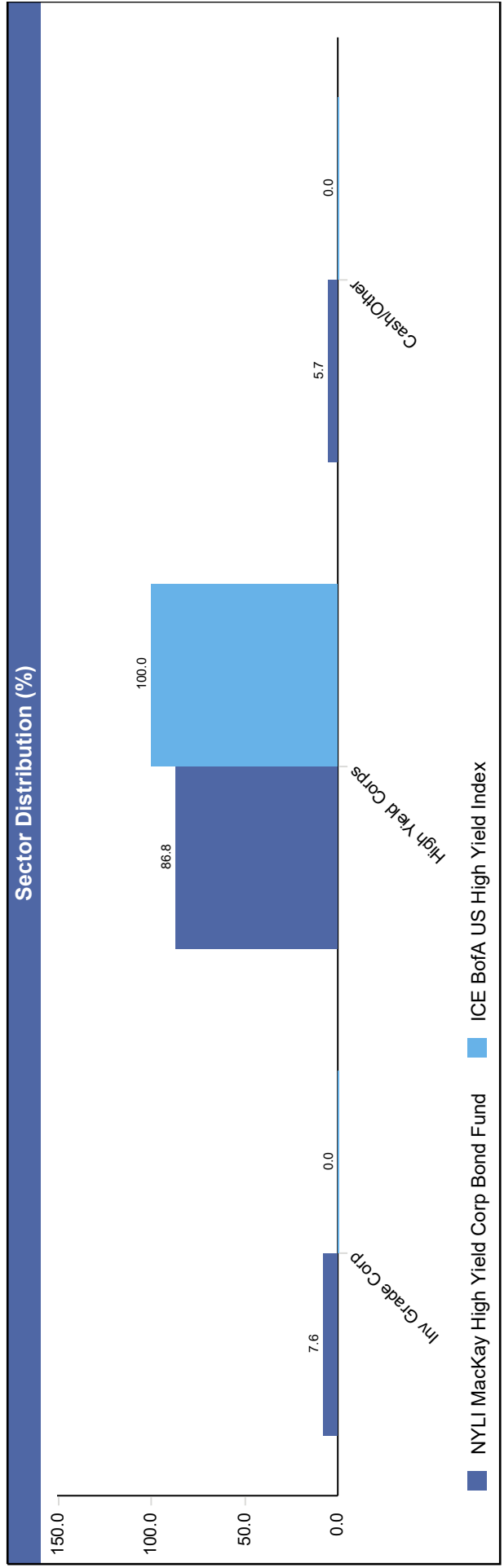
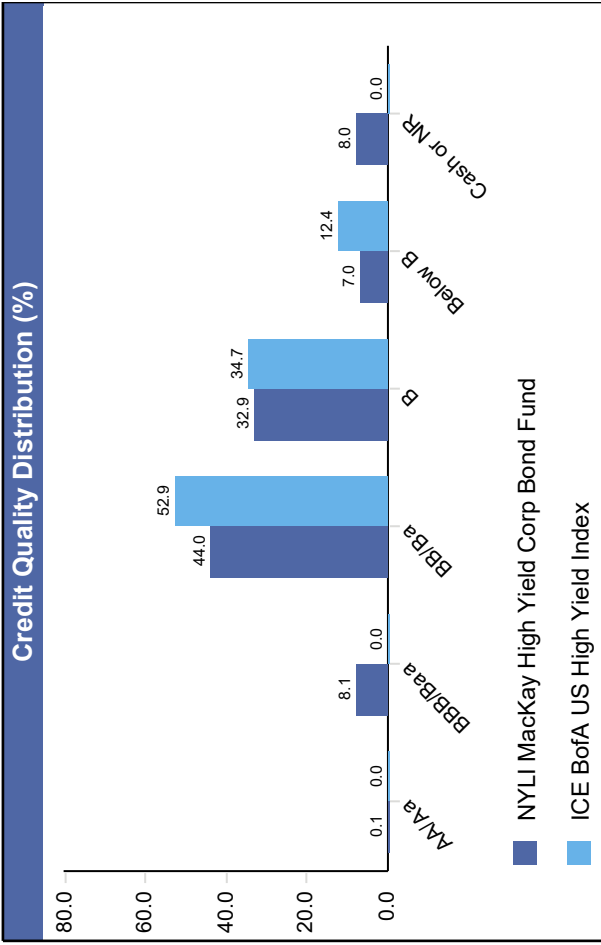


Portfolio Characteristics

As of June 30, 2024

NYLI Mackay High Yield Corp Bond Fund vs. ICE BofA US High Yield Index

Portfolio Characteristics		
	Portfolio	Benchmark
Effective Duration	3.60	3.18
Yield To Maturity (%)	7.37	8.00
Avg. Maturity	4.29	4.87
Avg. Quality	BB	B
Coupon Rate (%)	6.12	6.32



Performance - Restated as of 3/31/2024

PARS OPEB and Pension Trust Moderate Strategic Blend **As of March 31, 2024**
Asset Allocation & Performance

	Allocation		Performance(%)									
	%	1 Quarter	Year To Date	1 Year	3 Years	5 Years	7 Years	10 Years	Since Inception	Inception Date		
Total Portfolio	100.00	3.98	3.98	13.61	2.66	6.26	6.33	N/A	6.87	02/01/2016		
<i>Blended Benchmark</i>		3.88	3.88	13.01	3.12	6.49	6.42	N/A	7.15			
Domestic Equity	39.05	9.73	9.73	28.59	8.34	12.86	12.39	N/A	13.80	02/01/2016		
<i>Russell 3000 Index</i>		10.02	10.02	29.29	9.78	14.34	13.45	12.33	14.66			
Dodge & Cox Stock	4.44	8.50	8.50	25.59	10.37	13.57	11.80	11.08	8.38	02/01/2024		
iShares S&P 500 Value ETF	1.92	8.01	8.01	25.36	11.98	13.06	11.19	10.44	7.70	02/01/2024		
Columbia Contrarian Core Inst3	5.06	10.50	10.50	34.37	11.44	16.16	14.07	12.94	8.52	02/01/2024		
Vanguard Growth & Income Adm	9.74	12.44	12.44	31.75	11.98	15.21	14.10	13.03	9.70	02/01/2024		
Harbor Capital Appreciation Ret	2.92	13.75	13.75	47.91	9.32	17.22	17.99	N/A	9.12	02/01/2024		
iShares S&P 500 Growth ETF	2.86	12.69	12.69	33.49	9.99	15.57	15.68	14.36	9.55	02/01/2024		
S&P 500		10.56	10.56	29.88	11.49	15.05	14.09	12.96	8.73			
iShares Russell Mid-Cap ETF	5.42	8.55	8.55	22.16	5.90	10.93	10.42	9.78	10.13	02/01/2024		
<i>Russell Midcap Index</i>		8.60	8.60	22.35	6.07	11.10	10.58	9.95	10.17			
Undisc Managers Behavioral Val R6	3.35	6.39	6.39	21.25	9.73	12.70	10.04	9.96	8.69	02/01/2024		
Emerald Growth Institutional	3.34	5.83	5.83	21.02	-1.45	7.91	9.71	8.79	9.53	02/01/2024		
<i>Russell 2000 Index</i>		5.18	5.18	19.71	-0.10	8.10	7.73	7.58	9.44			
International Equity	9.24	4.47	4.47	11.58	0.39	5.99	5.88	N/A	7.36	02/01/2016		
<i>MSCI AC World ex USA (Net)</i>		4.69	4.69	13.26	1.94	5.97	5.88	4.25	7.49			
Dodge & Cox International Stock	1.19	3.13	3.13	13.38	5.14	7.30	5.47	4.02	6.22	02/01/2024		
DFA Large Cap International I	3.55	5.73	5.73	15.46	5.34	7.86	7.10	5.04	6.49	02/01/2024		
MFS International Growth R6	1.20	4.85	4.85	10.36	3.70	8.02	9.21	7.08	5.66	02/01/2024		
<i>MSCI AC World ex USA (Net)</i>		4.69	4.69	13.26	1.94	5.97	5.88	4.25	5.74			
Hartford Schroders Emerging Mkts Eq	3.30	3.46	3.46	7.24	-6.93	2.72	4.27	N/A	8.32	02/01/2024		
<i>MSCI EM (net)</i>		2.37	2.37	8.15	-5.05	2.22	3.72	2.95	7.35			
Other Growth	1.46	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.95	02/01/2024		
Vanguard Real Estate ETF	1.46	-1.19	-1.19	8.50	1.72	3.68	4.64	6.20	3.95	02/01/2024		
<i>MSCI US REIT Index</i>		-0.32	-0.32	10.37	4.03	4.14	5.07	6.54	3.99			

Returns are gross of investment advisory fees and net of mutual fund fees. Returns are expressed as percentages and for periods over one year are annualized. Asset class level returns may vary from individual underlying manager returns due to cash flows. Total Portfolio returns prior to 1/1/2024 were provided by previous Advisor and believed to be accurate and reliable. Returns for January 2024 were calculated by the legacy performance system of previous Advisor and believed to be accurate and reliable.

PARS OPEB and Pension Trust Moderate Strategic Blend
Asset Allocation & Performance

As of March 31, 2024

	Allocation		Performance(%)							Inception Date
	%	1 Quarter	Year To Date	1 Year	3 Years	5 Years	7 Years	10 Years	Since Inception	
Fixed Income	45.67	-0.42	-0.42	3.47	-1.54	0.95	1.47	N/A	1.70	02/01/2016
<i>Bimbg. U.S. Aggregate</i>		-0.78	-0.78	1.70	-2.46	0.36	1.06	1.54	1.16	
Baird Aggregate Bond Inst	11.91	-0.45	-0.45	2.80	-2.17	0.81	1.45	1.97	0.95	03/01/2024
iShares Core US Aggregate Bond ETF	8.64	-0.75	-0.75	1.61	-2.48	0.32	1.02	1.50	0.84	03/01/2024
<i>Bimbg. U.S. Aggregate</i>		-0.78	-0.78	1.70	-2.46	0.36	1.06	1.54	0.92	
Dodge & Cox Income	11.30	-0.32	-0.32	4.09	-0.92	1.89	2.28	2.52	-0.24	02/01/2024
PGIM Total Return Bond R6	11.53	0.14	0.14	4.61	-1.68	0.96	1.84	2.43	-0.11	02/01/2024
<i>Bimbg. U.S. Aggregate</i>		-0.78	-0.78	1.70	-2.46	0.36	1.06	1.54	-0.50	
MainStay MacKay High Yield Corp Bond Fund	2.29	1.68	1.68	9.56	3.00	4.40	4.48	4.61	1.31	03/01/2024
<i>ICE BofA US High Yield Index</i>		1.51	1.51	11.04	2.21	4.03	4.25	4.36	1.19	
Cash Equivalent	4.58	0.86	0.86	4.79	2.43	1.83	1.72	N/A	1.52	02/01/2016
<i>ICE BofA 3 Month U.S. T-Bill</i>		1.29	1.29	5.24	2.58	2.02	1.90	1.38	1.68	
First American Government Obligation - X	4.58	1.31	1.31	5.28	2.61	1.95	1.82	N/A	0.86	02/01/2024
<i>ICE BofA 3 Month U.S. T-Bill</i>		1.29	1.29	5.24	2.58	2.02	1.90	1.38	0.86	

Returns are gross of investment advisory fees and net of mutual fund fees. Returns are expressed as percentages and for periods over one year are annualized. Asset class level returns may vary from individual underlying manager returns due to cash flows. Total Portfolio returns prior to 1/1/2024 were provided by previous Advisor and believed to be accurate and reliable. Returns for January 2024 were calculated by the legacy performance system of previous Advisor and believed to be accurate and reliable.

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It is not possible to invest directly in an index. The index returns shown throughout this material do not represent the results of actual trading of investor assets. Third-party providers maintain the indices shown and calculate the index levels and performance shown or discussed. Index returns do not reflect payment of any sales charges or fees an investor would pay to purchase the securities they represent. The imposition of these fees and charges would cause investment performance to be lower than the performance shown.

The views expressed within this material constitute the perspective and judgment of PFMAM at the time of distribution and are subject to change. Any forecast, projection, or prediction of the market, the economy, economic trends, and equity or fixed-income markets are based upon certain assumptions and current opinion as of the date of issue and are also subject to change. Some, but not all assumptions are noted in the report. Assumptions may or may not be proven correct as actual events occur, and results may depend on events outside of your or our control. Changes in assumptions may have a material effect on results. Opinions and data presented are not necessarily indicative of future events or expected performance.

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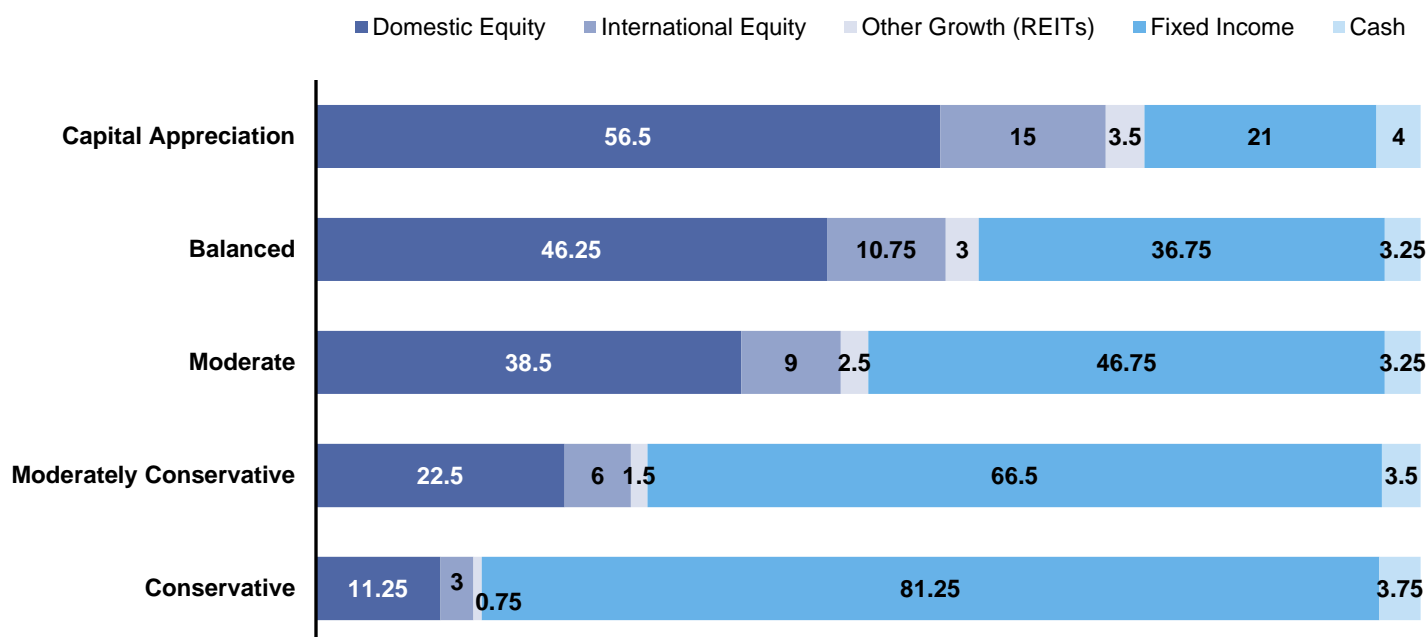
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PARS OPEB and Pension Trust Program

Strategy	Asset Class	Strategic Range	Policy	Tactical	Gross Annualized Total Rate of Return						
					Portfolio	2Q24*	YTD	1-Yr	3-Yr	5-Yr	ITD
Conservative	Equity	5-20%	15%	15%	Strategic Blend	0.75	1.76	6.43	-0.83	2.13	2.91
	Fixed Income	60-95%	80%	81%	Benchmark	0.62	1.61	5.83	-0.39	2.17	2.77
	Cash	0-20%	5%	4%	Index	0.36	0.97	4.81	-1.20	1.73	2.77
					Benchmark	0.62	1.61	5.83	-0.39	2.17	2.92
Moderately Conservative	Equity	20-40%	30%	30%	Strategic Blend	0.91	3.25	8.76	0.29	3.82	4.18
	Fixed Income	50-80%	65%	67%	Benchmark	0.77	2.94	7.86	0.49	3.76	4.26
	Cash	0-20%	5%	3%	Index	0.55	2.48	7.01	-0.12	3.37	3.84
					Benchmark	0.77	2.94	7.86	0.49	3.76	4.22
Moderate	Equity	40-60%	50%	50%	Strategic Blend	1.24	5.26	11.70	1.50	5.86	6.82
	Fixed Income	40-60%	45%	47%	Benchmark	1.08	5.00	10.93	2.05	6.06	7.07
	Cash	0-20%	5%	3%	Index	0.94	4.51	10.09	1.46	5.56	5.88
					Benchmark	1.08	5.00	10.93	2.05	6.06	6.40
Balanced	Equity	50-70%	60%	60%	Strategic Blend	1.47	6.48	13.26	2.25	6.90	7.55
	Fixed Income	30-50%	35%	37%	Benchmark	1.22	6.02	12.43	2.75	7.15	7.83
	Cash	0-20%	5%	3%	Index	1.13	5.59	11.91	2.21	6.66	7.00
					Benchmark	1.22	6.02	12.43	2.75	7.15	7.42
Capital Appreciation	Equity	65-85%	75%	75%	Strategic Blend	1.70	8.06	15.46	3.17	8.27	7.35
	Fixed Income	10-30%	20%	21%	Benchmark	1.44	7.55	14.66	3.81	8.71	8.28
	Cash	0-20%	5%	4%	Index	1.23	6.89	13.78	3.65	8.08	8.43
					Benchmark	1.44	7.55	14.66	3.81	8.71	9.21

*Returns for periods under one year are not annualized. Returns are gross of investment management fees and net of fund embedded fees. Please see important disclosures on the following page, and your U.S. Bank fee schedule for investment management fees applied to your specific portfolio, as net of fee performance will differ.

Strategy	Portfolio	Gross Calendar Year Returns							
		2023	2022	2021	2020	2019	2018	2017	2016
Conservative	Strategic Blend	8.99	-12.51	2.12	8.91	10.47	-1.52	7.06	N/A
	Index	7.77	-12.06	1.97	8.27	10.34	0.44	N/A	N/A
	Blended Benchmark	7.82	-10.59	2.24	7.81	10.12	-0.60	5.25	3.92
Moderately Conservative	Strategic Blend	11.32	-13.32	5.27	10.64	13.64	-2.83	9.44	4.81
	Index	9.84	-12.92	5.19	9.84	13.44	-2.58	7.96	5.25
	Blended Benchmark	10.29	-12.35	5.50	9.89	13.55	-1.87	8.13	5.45
Moderate	Strategic Blend	14.07	-14.61	9.29	12.52	17.70	-4.01	13.38	N/A
	Index	12.72	-14.02	10.16	11.32	17.51	-4.04	11.31	N/A
	Blended Benchmark	13.56	-13.74	10.21	12.02	17.66	-3.37	11.66	7.41
Balanced	Strategic Blend	15.14	-14.89	11.36	13.46	18.61	-4.50	15.22	6.58
	Index	14.52	-14.95	12.53	12.12	19.62	-5.00	13.38	7.39
	Blended Benchmark	15.19	-14.58	12.54	13.07	19.78	-4.18	13.54	8.39
Capital Appreciation	Strategic Blend	17.63	-16.09	14.34	14.62	22.10	-7.94	N/A	N/A
	Index	16.57	-14.70	16.05	12.17	20.68	-6.45	15.62	N/A
	Blended Benchmark	17.60	-15.64	15.93	14.37	22.81	-5.53	16.57	9.59



Strategic Blend -

Holdings: Portfolios are invested in a strategic mix of actively managed and passive index-based investment vehicles.

- Baird Aggregate Bond Fund
- Cohen & Steers Institutional Realty Fund
- Columbia Contrarian Core Fund
- Dodge Cox Income Fund
- Dodge Cox Stock Fund
- Emerald Growth Institutional Fund
- Fidelity International Index Fund
- First American Government Obligations Fund
- GQG Partners International Opportunities Fund
- Harbor Capital Appreciation Fund
- Hartford Schroders Emerging Markets Fund
- iShares Core U.S. Aggregate Bond ETF
- iShares Global Infrastructure ETF
- iShares Russell Mid Cap ETF
- iShares S&P 500 Growth ETF
- iShares S&P 500 Value ETF
- Mainstay MacKay High Yield Core Bond Fund
- MFS International Growth Fund
- PGIM Total Return Bond Fund
- Undiscovered Mgrs Behavioral Value Fund
- Vanguard Growth & Income Fund

Index - Holdings:

Portfolios are invested in passive index-based investment vehicles.

- First American Government Obligations Fund
- iShares Core MSCI EAFE ETF
- iShares Core S&P 500 ETF
- iShares Core US Aggregate Bond ETF
- iShares Global Infrastructure ETF
- iShares 5-10 Year Investment Grade Corporate ETF
- iShares Russell 2000 Growth ETF
- iShares Russell 2000 Value ETF
- iShares Russell Mid Cap ETF
- iShares S&P 500 Growth ETF
- iShares S&P 500 Value ETF
- SPDR High Yield Bond ETF
- Vanguard FTSE Emerging Markets ETF
- Vanguard Real Estate ETF

For illustrative purposes only and subject to change at PFAM's discretion. Individual portfolio allocations and holdings will vary based on many factors, including each portfolio's specific investment policy and market conditions.

Benchmark Definitions

		Conservative	Moderately Conservative	Moderate	Balanced	Capital Appreciation
10/1/2012 - Current:	S&P 500	7.50%	15.50%	26.50%	32.00%	39.50%
	Russell Mid Cap	1.50%	3.00%	5.00%	6.00%	16.00%
	Russell 2000	2.50%	4.50%	7.50%	9.00%	10.50%
	Wilshire REIT	0.50%	1.00%	1.75%	2.00%	10.25%
	MSCI EM Free (Net USD)	1.00%	2.00%	3.25%	4.00%	7.50%
	MSCI EAFE (Net USD)	2.00%	4.00%	6.00%	7.00%	5.25%
	Bloomberg US Aggregate Bond	52.25%	49.25%	33.50%	27.00%	5.00%
	ICE BofA 1-3 Yr US Corp/Govt	25.75%	14.00%	10.00%	6.75%	3.00%
	ICE BofA US High Yield Master II	2.00%	1.75%	1.50%	1.25%	2.00%
FTSE 1 Month T-Bill	5.00%	5.00%	5.00%	5.00%	1.00%	

About the Adviser: PFM Asset Management (PFMAM)

At PFM Asset Management we partner with public sector, non-profit and other institutions to build tailored, flexible investment solutions using fixed income and Multi-Asset class investments. With more than 40 years of experience managing public sector clients, we offer Liquidity Management, investment grade fixed income, Outsourced Chief Investment Officer (OCIO) and other specialized investment solutions.

Inception Date Information

<i>Conservative Strategic Blend</i>	07/01/2016
<i>Conservative Index</i>	02/01/2017
<i>Moderately Conservative Strategic Blend</i>	07/01/2015
<i>Moderately Conservative Index</i>	08/01/2015
<i>Moderate Strategic Blend</i>	02/01/2016
<i>Moderate Index</i>	09/01/2016
<i>Balanced Strategic Blend</i>	10/01/2015
<i>Balanced Index</i>	12/01/2015
<i>Capital Appreciation Strategic Blend</i>	10/1/2017
<i>Capital Appreciation Index</i>	04/01/2016

Gross returns are time weighted and are calculated based on trade-date accounting. Actual returns for each agency's participation within the portfolio may vary from returns shown based on each agency's own cash flows as well as the specific portfolio in which they are invested. U.S. Bank National Association has retained its affiliate, PFM Asset Management LLC ("PFMAM"), as its sub-advisor to provide investment management services. Prior to January 1, 2024, HighMark Capital Management ("HighMark") acted as sub-advisor to the portfolios. HighMark, including clients and investment personnel, was consolidated into PFMAM on January 1, 2024.

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PRESENTATION ITEM

October 9, 2024

TO: Administration & Finance Committee
(Directors Crane, Thomas, Nederhood)

FROM: Harvey De La Torre, General Manager
Staff Contact: Tiffany Baca

SUBJECT: Water Energy Education Alliance (WEEA) Year in Review

STAFF RECOMMENDATION

It is recommended that the Board of Directors receive and file this report.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

SUMMARY

The Water Energy Education Alliance (WEEA) is a statewide coalition of more than 200 water and energy industry professionals, educational institutions, and workforce advocacy groups that work to leverage resources, experience, and expertise to advance and support the future of the water and energy workforce. WEEA is led and administered by the Municipal Water District of Orange County and sponsored by the Metropolitan Water District of Southern California, Moulton Niguel Water District, the Los Angeles Department of Water & Power, Tomorrow’s Talent, the Water Replenishment District, Eastern Municipal Water District, and Western Municipal Water District. The California Environmental Education Foundation and California Community Colleges are in-kind sponsors.

Staff will present the highlights for WEEA’s 2023-24 Year-End report, which includes an introduction to central workforce issues impacting the water (and energy) industry along with WEEA’s key activities, deliverables and accomplishments for this past year.

The 2023-24 WEEA Year-End Report is attached for review.

Budgeted: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Budgeted amount:	Core: <input type="checkbox"/>	Choice: <input type="checkbox"/>
Action item amount:	Movement between funds: <input type="checkbox"/> Yes <input type="checkbox"/> No		

ALIGNMENT WITH BOARD STRATEGIC PRIORITIES

- | | |
|---|---|
| <input checked="" type="checkbox"/> Clarifying MWDOC’s mission and role; defining functions and actions. | <input type="checkbox"/> Work with member agencies to develop water supply and demand objectives. |
| <input checked="" type="checkbox"/> Balance support for Metropolitan’s regional mission and Orange County values and interests. | <input type="checkbox"/> Solicit input and feedback from member agencies. |
| <input checked="" type="checkbox"/> Strengthen communications and coordination of messaging. | <input checked="" type="checkbox"/> Invest in workforce development and succession planning. |

List of Attachments/Links:

Attachment 1:

Presentation: Water Energy Education Alliance FY 2023-24 Year-End Overview

Attachment 2:

“WEEA FY 2023-24 Year-End Report” <https://tinyurl.com/WEEA2023-24>

Links included in the Presentation:

“California Workforce Needs in the Water/Wastewater Industry” 2023 WEEA Centers of Excellence for Labor Market Research:

<https://coecc.net/california/2023/03/california-workforce-needs-in-the-water-wastewater-industry/>

“Call to Action: Educating for a Green Economy” white paper: <https://ca-eli.org/caeli-wide-initiatives/green-career-education/call-to-action/>

Moulton Niguel Water District FLOW Initiative video:

<https://youtu.be/ttsMS5R02Ds?si=PswNvswTRYu9iSRx>

Background information:

“Renewing the Water Workforce” 2018 Brookings:

<https://www.brookings.edu/wp-content/uploads/2018/06/Brookings-Metro-Renewing-the-Water-Workforce-June-2018.pdf>

“Interagency Water Workforce Working Group Report to Congress” 2024 Environmental Protection Agency:

https://www.epa.gov/system/files/documents/2024-09/interagency-water-workforce-working-group-report-to-congress_august-2024-508-compliant.pdf

“Master Plan for Career Education Core Concepts” 2024 Governor’s Council for Career Education – includes Executive Order

N-11-23: <https://careereducation.gov.ca.gov/wp-content/uploads/sites/18/2024/01/Summary-of-Career-Education-Master-Plan-Core-Concepts-FINAL-1.pdf>



Water Energy Education Alliance (WEEA) FY 2023-24 Year-End Overview

OCT 9, 2024 • MWDOC A&F COMMITTEE

2024/25 WEEA Sponsors:



Photo subject: Breanne Padilla, Chief Operator, Santa Monica SWIP Water Replenishment District (WEEA sponsor) and PERC Water (member)



WEEA Overview

Leadership, Service, and Collaboration Offer Unique Value

Photo credit: California Department of Water Resources (WEEA member)
Construction on discharge lines from the Wind Gap Pumping Plant in Kern County

Central Issues & Impacts

A Few Key Problems Affecting Industry

37% of the water workforce is now over the age of 50*

AGING WORKFORCE

LOOMING SHORTAGE OF EXPERIENCED WORKERS

Total projected demand through 2026: 37,459*

10% of HS students surveyed are interested in water jobs

LACK OF AWARENESS AND INTEREST

RECRUITMENT AND HIRING CHALLENGES

77% report difficulty filling positions

68% of agencies lack technical staff to operate new systems

SKILLED LABOR GAPS

GREATER RISK OF INEFFICIENCIES

Total supply across all industries: 5,413*

Including "soft skills" Now also known as "essential," "people," "human," "professional," "interpersonal," and/or "power" skills.

94% of mission-critical water workers are men*

DIVERSITY GAPS

WORKERS DON'T REFLECT THE COMMUNITY SERVED

Diverse companies attract 45% more talent

PROBLEM

IMPACT

* 2023 WEEA/Centers of Excellence statewide workforce needs report for eight (8) mission-critical occupations (electrical, maintenance, and operational). Additional data from American Water Works Association, Water Environment Federation, Bureau of Labor Statistics, Bersin by Deloitte, and others.

What Does WEEA Do?

A Bridge Between Employers, Educators, & Workforce

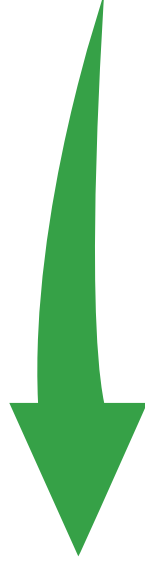


EMPLOYERS

Water & Wastewater Providers,
Energy Providers, Contractors



Current Employees
Training & Development



RESOURCES



PARTNERSHIPS



DATA & INFORMATION

STRATEGIES

EDUCATORS/ADVOCATES

Non-Formal & Formal Education
K-12, Community Colleges,
Universities, Trade Schools, & ROPs



Future Workforce



What WEEA Is and Isn't

Strength in Numbers (200+ Orgs Statewide)



Water and Energy Providers, Education, and Workforce Advocacy Professionals	YES	NO
Pool resources and break down silos to bridge gaps in expertise, information, and collateral	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Highlight successful strategies to increase efficiencies on workforce initiatives	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Facilitate regional discussions to support solutions to regional problems	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Collect and distribute data that contributes to informed workforce strategies and programs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Support teacher training to introduce career exploration in K-12 classrooms	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Review educational materials and contribute to workforce reports	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Identify, mentor, train, and place students in jobs*	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Develop and implement recruitment and hiring practices*	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Provide input or direction on regulatory compliance issues*	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Provide mitigation and conflict resolution with workforce partners*	<input type="checkbox"/>	<input checked="" type="checkbox"/>

*Conducted at the member level.

WEEA Focus: DAPS

COE Report: mwdoc.com/weea



DIVERSITY

Provide Clarity

- Report metrics
- Share policies and practices
- Facilitate and moderate important discussions



PARTNERSHIPS

Make Connections

- Link compatible partners
- Align needs/goals/benefits
- Participate on advisories/committees



AWARENESS

Support Outreach

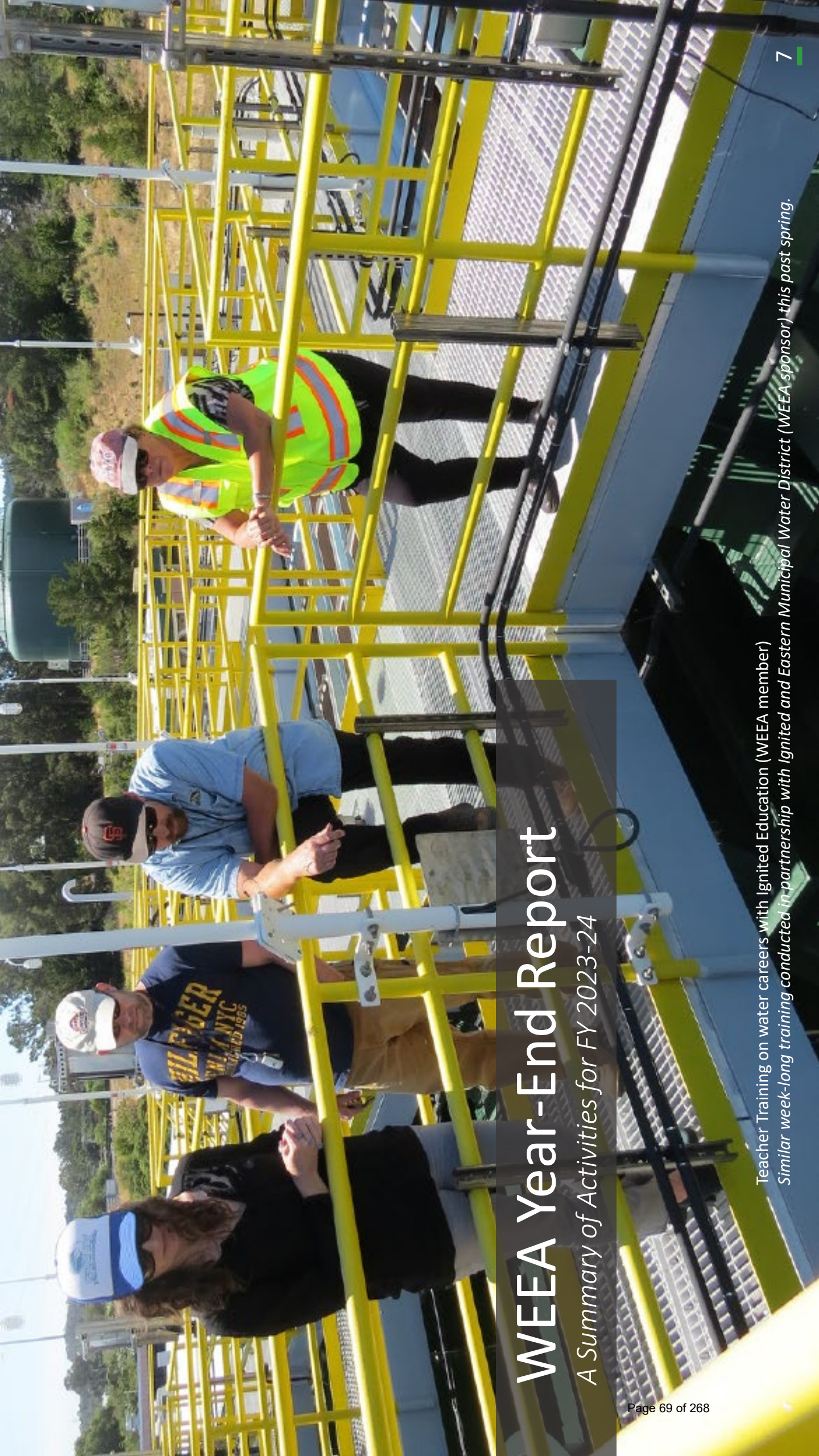
- Offer collateral/campaigns
- Highlight success stories
- Discuss shared challenges

SKILLS

Uncover Skills Gaps

- Identify shared gaps and needs
- Support training and development
- Encourage participation from diverse positions/perspectives





WEEA Year-End Report

A Summary of Activities for FY 2023-24

Teacher Training on water careers with Ignited Education (WEEA member)
Similar week-long training conducted in partnership with Ignited and Eastern Municipal Water District (WEEA sponsor) this past spring.

2023-24 Deliverables

Annual Goals Supported by Sponsors & Members



- 1. Grow membership by 15% (Goal)**
 - Accomplished: **22.8% increase** in FY 2023-24
- 2. Convene three (3) Leadership Meetings (Goal)**
 - Accomplished: Hosted and led three (3) meetings and coordinated and moderated an expert panel along with DWR's Water Education Committee
- 3. Support two (2) grant funding opportunities (Goal)**
 - Accomplished: Three (3) Support letters - Centers of Excellence for Labor Market Research (1), and Santiago Canyon Community College (2)
- 4. Contribute to one (1) notable report or study (Goal)**
 - Accomplished: California Environmental Literacy Initiative's "[Call to Action: Educating for a Green Economy](#)" white paper



Photo credit: Noah Addis
Los Angeles Department of Water and Power (WEEA sponsor)

2023-24 Deliverables (cont.)

Annual Goals Supported by Sponsors & Members

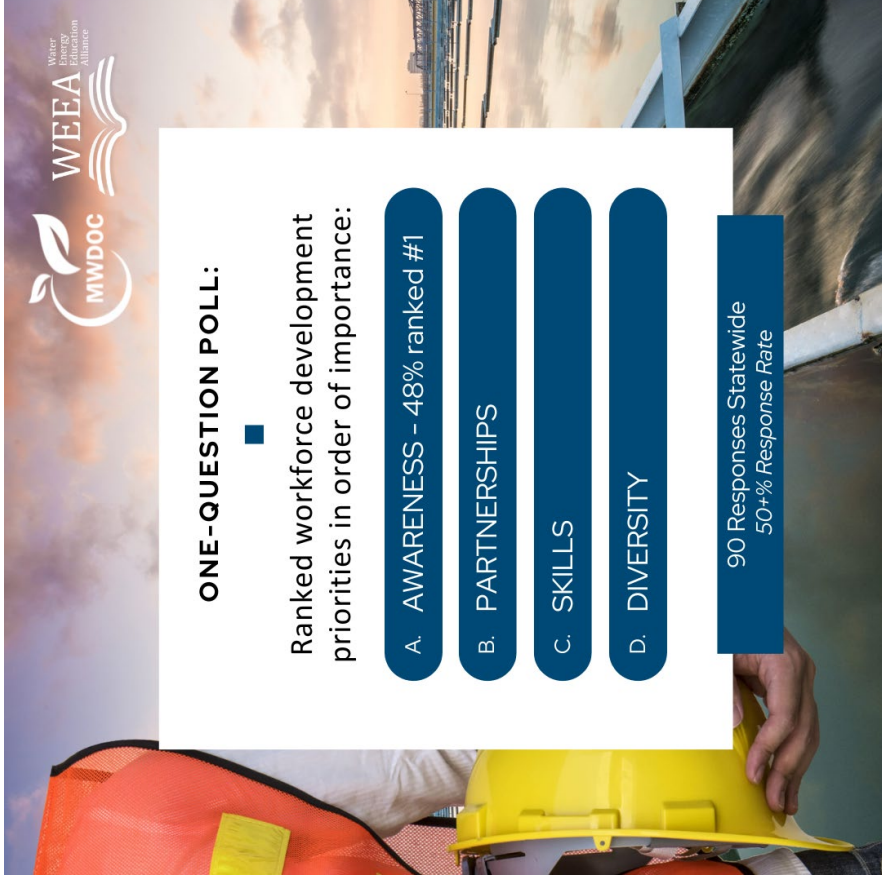


5. Collect valid workforce data to advance DAPS (Goal)

- Accomplished: Distributed a member survey ranking workforce priorities from our [2023 WEEA/COE workforce report](#) recommendations
- Accomplished: Participated in a UCI IDEAL workshop & distributed a DEI survey to 175+ WEEA organizations – final report expected in Oct. 2024

6. Participate in two (2) advisory groups (Goal)

- Accomplished – Four (4):
 - CA Water, Wastewater, and Energy Workforce Development Program
 - H RTP Statewide Advisory (\$4M CMUA workforce grant)
 - Water Replenishment District’s Water Workforce Ad-Hoc Committee
 - Orange County Business Council’s Workforce Committee
 - Orange County Environmental Solutions Network



2023-24 Deliverables (cont.)

Annual Goals Supported by Sponsors & Members



7. Secure three (3) speaking opportunities (Goal)

Accomplished – Nine (9):

- Participated on an interview panel for the LA Times editorial board
- Two (2) presentations to WRD’s Water Workforce Ad-Hoc Committee
- American Water Works Association Workforce Strategies Committee
- Water Environment Federation’s Operator Advisory Panel
- Vista Meridian Energy, Environment, & Utilities (EEU) Advisory
- Facilitated an inaugural WEEA Orange County Advisory meeting
- Mesa Water & Orange County Sanitation District - OC WEEA support
- California Environmental Education Foundation’s Teachers Institute

8. Provide an annual report to WEEA sponsors (Goal)

- **Accomplished** - Report Link: <https://tinyurl.com/WEEA2023-24>



915%

Growth in participation since assuming leadership in 2020

100K+

Career brochures distributed statewide

73K

Students directly impacted by teacher trainings

A photograph of three young people, two women and one man, wearing bright orange safety vests with reflective yellow and silver stripes. They are looking intently at a tablet computer held by the man in the center. The background is a blurred green field.

Up Next...

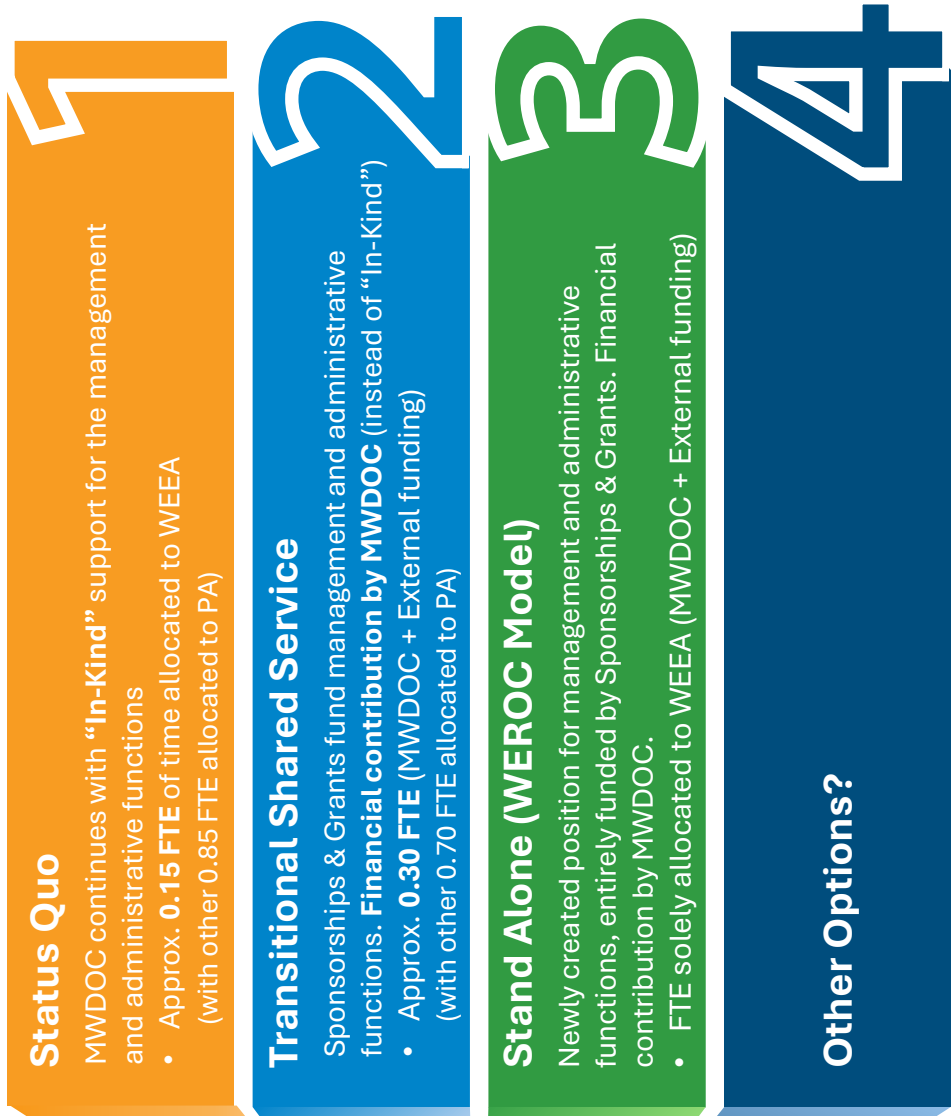
What is the Future of WEEA?

Students participating in Moulton Niguel Water District's (WEEA sponsor) Future Leaders of Water (FLOW) initiative

Video Link: <https://youtu.be/ttsMS5R02Ds?si=PswNvswTRY09iSRx>

Upcoming Discussion

Administrative Structure Options for MWDOC





Questions?

Tiffany Baca

*Public Affairs Manager, MWDOC
Executive Director, WEEA*

Email: TBaca@mwdoc.com

2024/25 WEEA Sponsors:



Photo subject: MWDOC Leak Detection Technician, Hugo Escamilla
WEEA supports grant applications to enhance training programs like the Santiago Canyon College (WEEA member) Water Wastewater Technology programs

**Municipal Water District of Orange County
REVENUE / CASH RECEIPT REPORT
September 2024**

WATER REVENUES

<u>Date</u>	<u>From</u>	<u>Description</u>	<u>Amount</u>
9/03/2024	City of Buena Park	July 2024 Water deliveries	\$ 330,314.72
9/06/2024	City of Garden Grove	July 2024 Water deliveries	72,195.98
9/09/2024	El Toro Water District	July 2024 Water deliveries	414,932.36
9/09/2024	Laguna Beach County Water District	July 2024 Water deliveries	413,054.03
9/09/2024	City of La Palma	July 2024 Water deliveries	765.22
9/11/2024	Santa Margarita Water District	July 2024 Water deliveries	2,979,753.52
9/11/2024	Santa Margarita Water District (ID9)	July 2024 Water deliveries	867,556.81
9/11/2024	South Coast Water District	July 2024 Water deliveries	876,775.76
9/12/2024	City of Orange	July 2024 Water deliveries	1,158,690.59
9/12/2024	Yorba Linda Water District	July 2024 Water deliveries	498,798.25
9/13/2024	City of San Clemente	July 2024 Water deliveries	921,210.81
9/13/2024	East Orange Co Water District	July 2024 Water deliveries	812,472.31
9/13/2024	Golden State Water Company	July 2024 Water deliveries	1,060,309.06
9/13/2024	Moulton Niguel Water District	July 2024 Water deliveries	2,920,303.65
9/13/2024	Orange County Water District	July 2024 Water deliveries	110,753.06
9/20/2024	City of Huntington Beach	August 2024 Water deliveries	660,151.39
9/23/2024	City of Newport Beach	August 2024 Water deliveries	179,121.66
9/26/2024	City of Seal Beach	August 2024 Water deliveries	91,283.85
9/26/2024	City of Westminster	August 2024 Water deliveries	8,936.73
9/27/2024	City of Brea	August 2024 Water deliveries	217,250.43
9/27/2024	Trabuco Canyon Water District	August 2024 Water deliveries	80,637.08
9/30/2024	City of Buena Park	August 2024 Water deliveries	330,063.55
9/30/2024	Serrano Water District	August 2024 Water deliveries	9,924.59
TOTAL WATER REVENUES			\$ 15,015,255.41

**Municipal Water District of Orange County
REVENUE / CASH RECEIPT REPORT
September 2024**

MISCELLANEOUS REVENUES

<u>Date</u>	<u>From</u>	<u>Description</u>	<u>Amount</u>
9/03/2024	Stripe	9/27/2024 OC Water Summit registrations	\$ 18,564.10
9/09/2024	Western Municipal Water District	9/27/2024 OC Water Summit Sponsorship	2,000.00
9/16/2024	El Toro Water District	9/27/2024 OC Water Summit sponsorship	850.00
9/26/2024	Metropolitan Water District	9/27/2024 OC Water Summit Sponsorship	1,600.00
9/27/2024	MWH Constructors	9/27/2024 OC Water Summit sponsorship	1,600.00
9/30/2024	Square	9/27/2024 OC Water Summit registration	168.72
9/03/2024	Karl Seckel	September 2024 Retiree Health insurance	187.02
9/03/2024	Keith Lyon	September 2024 Retiree Health insurance	187.02
9/03/2024	Steve Hedges	Sep-Oct 2024 Retiree Health insurance	89.76
9/09/2024	Patricia Meszaros	Sep-Oct 2024 Retiree Health insurance	55.98
9/23/2024	Stan Sprague	October 2024 Retiree Health insurance	187.02
9/30/2024	Keith Lyon	October 2024 Retiree Health insurance	187.02
9/30/2024	Judy Pfister	Oct-Dec 2024 Retiree Health insurance	83.97
9/23/2024	Damon Micalizzi	Business expense reimbursement	186.06
9/03/2024	US Bank	CAL Card quarterly rebate check	814.66
9/30/2024	US Bank	Monthly Interest	194.45
9/16/2024	US Bank Custodial Account	Citigroup and investment interest payment	2,064.71
9/24/2024	US Bank Custodial Account	Toyota Financial interest payment	4,600.00
9/23/2024	Special District Risk Mgmt Authority	2023-24 Annual Workers Compensation reconciliation refund	1,410.59
9/23/2024	Santa Margarita Water District	July 2024 Smartimer rebate program	290.81
9/05/2024	Laguna Beach County Water District	June 2024 High Efficiency Toilets rebate program	99.00
9/06/2024	Trabuco Canyon Water District	July 2024 High Efficiency Clothes Washers rebate program	145.00
9/30/2024	El Toro Water District	July 2024 High Efficiency Clothes Washers rebate program	230.00
9/06/2024	City of Brea	July 2024 Turf Removal and Spray to Drip rebate program	208.00
9/09/2024	City of Orange	July 2024 Turf Removal and Spray to Drip rebate program	416.00
9/09/2024	Golden State Water Company	July 2024 Turf Removal and Spray to Drip rebate program	208.00
9/13/2024	City of La Habra	July 2024 Turf Removal and Spray to Drip rebate program	208.00
9/16/2024	City of Buena Park	July 2024 Turf Removal and Spray to Drip rebate program	208.00
9/16/2024	City of Fountain Valley	July 2024 Turf Removal and Spray to Drip rebate program	801.50
9/16/2024	Mesa Water District	July 2024 Turf Removal and Spray to Drip rebate program	1,300.82
9/20/2024	City of Tustin	July 2024 Turf Removal and Spray to Drip rebate program	416.00
9/26/2024	City of Westminster	July 2024 Turf Removal and Spray to Drip rebate program	312.00
9/13/2024	City of San Clemente	July 2024 Smartimer and High Efficiency Clothes Washers rebate program	691.99
9/16/2024	Moulton Niguel Water District	July 2024 Smartimer and High Efficiency Clothes Washers rebate program	7,237.99
9/13/2024	Laguna Beach County Water District	July 2024 Turf Removal and High Efficiency Clothes Washers rebate program	1,615.00
9/03/2024	City of Buena Park	Dedicated Irrigation Meters Measurement Program FY 24-25	37,000.00
9/06/2024	City of Brea	FY 2024-25 Choice Programs Billing	29,415.27
9/06/2024	City of Seal Beach	FY 2024-25 Choice Programs Billing	9,110.78
9/06/2024	Trabuco Canyon Water District	FY 2024-25 Choice Programs Billing	12,956.36
9/09/2024	City of Orange	FY 2024-25 Choice Programs Billing	71,730.96
9/09/2024	Golden State Water Company	FY 2024-25 Choice Programs Billing	5,719.86
9/13/2024	City of La Habra	FY 2024-25 Choice Programs Billing	19,635.77
9/13/2024	Laguna Beach County Water District	FY 2024-25 Choice Programs Billing	6,384.18
9/13/2024	South Coast Water District	FY 2024-25 Choice Programs Billing	33,736.51
9/16/2024	City of Buena Park	FY 2024-25 Choice Programs Billing	31,974.82
9/16/2024	City of Fountain Valley	FY 2024-25 Choice Programs Billing	23,617.55
9/16/2024	City of La Palma	FY 2024-25 Choice Programs Billing	1,513.19
9/17/2024	Serrano Water District	FY 2024-25 Choice Programs Billing	118.46
9/20/2024	City of Huntington Beach	FY 2024-25 Choice Programs Billing	103,537.64
9/23/2024	Santa Margarita Water District	FY 2024-25 Choice Programs Billing	93,249.56
9/27/2024	City of San Clemente	FY 2024-25 Choice Programs Billing	18,432.50
9/30/2024	City of Santa Ana	FY 2024-25 Choice Programs Billing	479.62
9/23/2024	City of Garden Grove	Addition to the Choice School Program FY 2024-25	2,634.62
9/03/2024	South Coast Water District	Invoice #2 LCRS Service Line Inventories Project	138,192.00
9/16/2024	City of Seal Beach	FY 2024-25 Annual Retail Service Connection charge	79,561.50
9/03/2024	City of Buena Park	Water Loss Control Shared Services FY 2024-25	30,680.00
9/11/2024	Santa Margarita Water District	Water Loss Control Shared Services FY 2024-25	24,703.00
9/16/2024	Mesa Water District	Water Loss Control Shared Services FY 2024-25	55,077.00
9/30/2024	City of Santa Ana	Water Loss Control Shared Services FY 2024-25	49,890.00
9/23/2024	City of Newport Beach	Water Loss Control Shared Services FY 2024-25	851.00
9/23/2024	City of Newport Beach	Water Loss Control Shared Services FY 2024-25	250.00

Municipal Water District of Orange County
 REVENUE / CASH RECEIPT REPORT (Continued)
 September 2024

MISCELLANEOUS REVENUES

<u>Date</u>	<u>From</u>	<u>Description</u>		<u>Amount</u>
9/03/2024	City of Buena Park	Water Loss Control technical assistance CY 2024 - E Source	\$	10,120.00
9/16/2024	City of Orange	Water Loss Control technical assistance CY 2024 - E Source		10,120.00
9/27/2024	City of San Clemente	Water Loss Control technical assistance CY 2024 - E Source		10,120.00
9/27/2024	Trabuco Canyon Water District	Water Loss Control technical assistance CY 2024 - E Source		9,520.00

TOTAL MISCELLANEOUS REVENUES	\$ 969,605.70
TOTAL REVENUES	\$ 15,984,861.11



 Harvey De La Torre, General Manager



 Hilary Chumpitazi, Treasurer

**Municipal Water District of Orange County
Disbursement Approval Report
For the month of September 2024**

Vendor/ Invoice	Description	Amount to Pay
Core Expenditures:		
Ackerman Consulting-Richard C Ackerman		
1421	September 2024 Legal and regulatory specialized consulting services	3,500.00
Total		3,500.00
ACWA		
100124	Airfare reimbursement for OC Water Summit speaker S. Nelson	394.96
Total		394.96
Aleshire & Wynder LLP		
89689/89690	August 2024 Legal services	2,506.00
Total		2,506.00
Alta FoodCraft		
12445825	September 2024 Coffee and tea supplies	171.79
Total		171.79
Best Best and Krieger LLP		
55401-AUG24	August 2024 Legal services	21,940.30
Total		21,940.30
Bryton Printing Inc		
18165	Signs for 09/27/24 OC Water Summit	226.28
Total		226.28
Costco Wholesale Corp		
743377095	Annual membership renewal	130.00
Total		130.00
Green Thumb (Indoor Plant Care) LLC-Dedo Verde Interior		
20241026	October 2024 Indoor plant service	305.50
Total		305.50
Dopudja & Wells Consulting Inc		
1741	August 2024 Consulting services on MET Strategic Issues and Priorities	4,082.50
1743	August 2024 Needs Assessment services	5,325.00
Total		9,407.50
E Source Companies LLC		
12378	August 2024 Business Implementation services for Water Loss Compliance	1,290.00
12383	August 2024 Retail Agency Technical Assistance services	3,240.00
Total		4,530.00
Means Consulting-Edward G Means III		
MWDOC-WQ-101	September 2024 Consulting services for the Water Quality Workshops	3,173.22
Total		3,173.22

**Municipal Water District of Orange County
Disbursement Approval Report
For the month of September 2024**

Vendor/ Invoice	Description	Amount to Pay
Elevated Health		
September 2024	Pre-employment physicals for new staff member	180.00
Total		180.00
Foster & Foster Consulting Actuaries Inc		
32770	GASB 75 Actuarial Valuation and Supplemental Schedule reports for retiree health insurance program as of June 30, 2024	3,750.00
Total		3,750.00
GovConnection Inc		
75732073	Annual subscription renewal for Acrobat Pro and Create Cloud Apps (09/29/24-09/28/24)	10,211.32
Total		10,211.32
Inland Group LLC		
243870011	Signs for 09/27/24 OC Water Summit	735.84
Total		735.84
Irvine Window Cleaning		
4116	09/06/24 Office windows and glass walls cleaned	400.00
Total		400.00
Jill Promotions		
12330	Branded cork bottom tote bags	1,140.24
Total		1,140.24
Lawnscape Systems Inc		
448008	September 2024 Landscape Maintenance for Atrium	495.00
448009	September 2024 Landscape Maintenance for Atrium	395.00
Total		890.00
Patricia Meszaros		
93024	July-September 2024 Retiree medical premium	733.80
Total		733.80
Natural Resource Results LLC		
5073	September 2024 Federal Advocacy Agreement services	8,598.38
Total		8,598.38
NDS		
839872	09/06/24 Board packet delivery service	134.72
839939	09/13/24 Board packet delivery service	134.72
840283	09/27/24 Board Backet delivery service	106.97
Total		376.41

**Municipal Water District of Orange County
Disbursement Approval Report
For the month of September 2024**

Vendor/ Invoice	Description	Amount to Pay
ODP Business Solutions LLC		
384097289001	09/11/24 Office supplies	194.28
387568913001	Office supplies for Water Quality Workshop on 10/01/24	59.14
388594169001	09/25/24 Office supplies	388.12
388594608001	09/24/24 Office supplies	17.51
389263555001	09/26/24 Office supplies	239.03
Total		898.08
Office Solutions		
I-02255456	09/20/24 Office supplies	39.47
I-02256194	09/24/24 Office supplies	107.50
Total		146.97
Orange County Business Council		
0012517-IN	2025 Annual membership renewal	5,000.00
Total		5,000.00
County of Orange		
PW250245	FY 2024-25 Coop Agreement for South OC Watershed Management Area	8,703.03
Total		8,703.03
Orange County Water District		
26775	August 2024 Postage, shared office & maintenance expense	320.46
26775	August 2024 Postage, shared office & maintenance expense	9,641.77
26775	August 2024 Postage, shared office & maintenance expense	90.69
Total		10,052.92
Packet Fusion Inc		
PB16781	(25) Yealink desk handsets for new phone system	4,254.28
PB16782	Annual cloud phone service for MWDOC	11,954.74
Total		16,209.02
Karl Seckel		
90424	July-September 2024 Retiree medical premium	1,467.60
Total		1,467.60
SMS Datacenter-Groupo SMS USA LLC		
40936	October 2024 IT Support	4,590.00
41013	Installation of the wireless access point in Conference Room 102	650.00
Total		5,240.00
Department of Justice		
92024	RRF-1 Filing for Water Facilities Corporation	25.00
Total		25.00

**Municipal Water District of Orange County
Disbursement Approval Report
For the month of September 2024**

Vendor/ Invoice	Description	Amount to Pay
Syrus Devers Advocacy LLC		
1071	September 2024 State Legislative Advocacy services	8,000.00
Total		8,000.00
USAFact Inc		
4093206	September 2024 Background check for new hire	23.92
Total		23.92
Water Quality & Treatment Solutions Inc		
24-3771	Water Quality Workshop services on 08/29/24	5,000.00
Total		5,000.00
Pauline D Wennerstrom		
83124	July-September 2024 Retiree medical premium	524.10
Total		524.10
Whittingham Public Affairs Advisors-WPAA		
2634	October 2024 Strategic guidance on local & regional issues	7,500.00
Total		7,500.00
Total Core Expenditures		142,092.18
 Choice Expenditures:		
Building Block Entertainment Inc		
3823-3	September 2024 Choice Elementary School Program K-2	15,780.00
Total		15,780.00
Mission RCD		
3451	September 2024 Field inspection and verification for Water Use Efficiency rebate programs	2,126.00
Total		2,126.00
Office Solutions		
I-02257678	09/30/24 Supplies for Water Loss Control Shared Services Program	56.93
Total		56.93
Orange County Water District		
26775	August 2024 Postage, shared office & maintenance expense	45.01
Total		45.01
Westerly Meter Service Co.-Lane M Matsuno		
17668	September 2024 Meter Accuracy Testing for Mesa Water District	1,400.00
17684	September 2024 Meter Accuracy Testing for Mesa Water District	1,400.00
Total		2,800.00
Total Choice Expenditures		20,807.94

**Municipal Water District of Orange County
Disbursement Approval Report
For the month of September 2024**

Vendor/ Invoice	Description	Amount to Pay
Other Funds Expenditures:		
E Source Companies LLC		
12383	August 2024 Retail Agency Technical Assistance services	15,345.00
Total		15,345.00
Mission RCD		
3451	September 2024 Field inspection and verification for Water Use Efficiency rebate programs	9,390.84
Total		9,390.84
Total Other Funds Expenditures		24,735.84
Total Expenditures		187,635.96

**Municipal Water District of Orange County
Disbursement Ratification Report
For the Month of September 2024**

Name/ Date	Check/ EFT	Invoice	Description	Amount
Core Disbursements:				
Tiffany Baca				
9/30/2024	EFT	73124	July 2024 Business expense	156.27
Total				156.27
Joseph Berg				
9/30/2024	EFT	82924	August 2024 Business expense	232.43
Total				232.43
Corodata Records Management Inc				
9/30/2024	EFT	RS7025361	August 2024 Records Storage Fees	70.17
Total				70.17
Rachel Davis				
9/30/2024	EFT	72524	July 2024 Business expense	337.42
Total				337.42
Larry Dick				
9/30/2024	EFT	81424	August 2024 Business expense	72.36
Total				72.36
Melissa Haley				
9/30/2024	EFT	71824	July 2024 Business expense	43.56
9/30/2024	EFT	82624	August 2024 Business expense	194.44
Total				238.00
Home Depot Credit Services				
9/13/2024	143491	512186/5230191	08/14/24 Office Supplies	12.78
Total				12.78
Al Nederhood				
9/30/2024	EFT	82324	August 2024 Business expense	276.04
Total				276.04
Jasmine Orozco				
9/30/2024	143531	80324	August 2024 Business expense	30.15
Total				30.15
Megan Schneider				
9/30/2024	EFT	82124	August 2024 Business expense	57.67
Total				57.67
Karl Seckel				
9/30/2024	EFT	82624	August 2024 Business expense	52.26
Total				52.26
Nathan Shepherd				
9/30/2024	EFT	80324	August 2024 Business expense	39.53
Total				39.53

**Municipal Water District of Orange County
Disbursement Ratification Report
For the Month of September 2024**

Name/ Date	Check/ EFT	Invoice	Description	Amount
Spectrum Business				
9/05/2024	143483	188955001082124	September 2024 Telephone and internet expense	1,499.00
Total				<u>1,499.00</u>
Jeffery Thomas				
9/30/2024	EFT	42624	April 2024 Business expense	113.90
9/30/2024	EFT	52124	May 2024 Business expense	79.06
Total				<u>192.96</u>
US Bank				
9/30/2024	143534	2978/4192/8910-AUG24	07/23/24-08/22/24 Cal Card Charges	20,678.53
Total				<u>20,678.53</u>
Verizon Wireless				
9/05/2024	143486	9972210321	August 2024 4G Mobile broadband unlimited service	114.03
Total				<u>114.03</u>
Total Core Disbursements				<u>24,059.60</u>
Choice Disbursements:				
Rachel Davis				
9/30/2024	EFT	72524	July 2024 Business expense	14.34
Total				<u>14.34</u>
US Bank Voyager Fleet Systems				
9/13/2024	EFT	8694349932434	7/25/24-8/24/24 Fuel for Water Loss Control Shared Services Vehicles	634.32
Total				<u>634.32</u>
Total Choice Disbursements				<u>648.66</u>
Other Funds Disbursements:				
Mesa Water District				
9/13/2024	EFT	11546	July 2024 Credit for Local Resources program	62,044.65
Total				<u>62,044.65</u>
Metropolitan Water District				
9/30/2024	EFT09302024	11565	July 2024 Water deliveries	18,171,617.12
Total				<u>18,171,617.12</u>
Santiago Aqueduct Commission				
9/30/2024	143532	72024	July 2024 SAC Pipeline Operation Surcharge	2,198.63
Total				<u>2,198.63</u>
Santa Margarita Water District				
9/30/2024	EFT	72024	July 2024 SCP Operation Surcharge	36,349.98
Total				<u>36,349.98</u>

**Municipal Water District of Orange County
Disbursement Ratification Report
For the Month of September 2024**

Name/ Date	Check/ EFT	Invoice	Description	Amount
Spray to Drip Rebate				
9/19/2024	143523	S2D7-C-HB-42794-23377	Huntington Beach Calif Stake	8,166.00
9/19/2024	143516	S2D7-C-IRWD-12274-23381	Irvine Company Tic-Spectrum Office	5,686.65
9/19/2024	143517	S2D7-C-IRWD-12274-23387	Irvine Company Tic-Spectrum Office	5,709.00
9/19/2024	143518	S2D7-C-IRWD-12274-23389	Irvine Company Tic-Spectrum Office	11,071.00
9/19/2024	143519	S2D7-C-IRWD-12274-23390	Irvine Company Tic-Spectrum Office	14,356.00
9/19/2024	143503	S2D7-C-IRWD-38850-23300	Lake Forest II	39,481.60
9/19/2024	143504	S2D7-C-IRWD-38850-23308	Lake Forest II	26,021.60
9/19/2024	143514	S2D7-C-IRWD-44331-22262	Serrano Park Hoa	7,392.00
9/19/2024	143526	S2D7-C-MNT-42406-22259	Village La Paz	30,600.00
9/19/2024	143510	S2D7-C-WEST-44135-23428	Prologis Targeted Us Logistics Fund LP	18,162.00
9/19/2024	143496	S2D7-C-YLWD-51560-23315-PA	City Of Yorba Linda	1,598.50
9/19/2024	143508	S2D7-R-FV-54312-23352	J. Phan	49.00
9/19/2024	143512	S2D7-R-MESA-51801-22211	K. Ryan	157.00
9/19/2024	143500	S2D7-R-WEST-54190-23291	T. Gonzales	1,007.00
Total				169,457.35
Turf Rebate				
9/19/2024	143513	TR16-C-HB-44331-47989	Sea Harbour	8,554.00
9/19/2024	143502	TR16-R-IRWD-51678-50148	A. Komor	5,860.00
9/19/2024	143520	TR17-C-IRWD-12274-52865	Irvine Company Tic-Spectrum Office	18,296.16
9/19/2024	143521	TR17-C-IRWD-12274-52883	Irvine Company Tic-Spectrum Office	27,500.54
9/19/2024	143522	TR17-C-IRWD-12274-52885	Irvine Company Tic-Spectrum Office	36,884.00
9/19/2024	143505	TR17-C-IRWD-38850-52671	Lake Forest II	236,390.00
9/19/2024	143506	TR17-C-IRWD-38850-52676	Lake Forest II	162,635.00
9/19/2024	143515	TR17-C-IRWD-44331-51578	Serrano Park Comm Assoc	45,140.00
9/19/2024	143501	TR17-C-MESA-54286-52772	Koll Irvine	55,000.00
9/19/2024	143499	TR17-C-SB-49544-51569	Golden Rain Foundation	8,854.00
9/19/2024	143511	TR17-C-WEST-44135-52958	Prologis Targeted Us Logistics Fund LP	44,996.00
9/19/2024	143497	TR17-C-YLWD-51560-52706-PA	City Of Yorba Linda	12,508.00
9/19/2024	143509	TR17-R-FV-54312-52808	J. Phan	2,736.00
9/19/2024	143507	TR17-R-HB-53101-51560	H. Nguyen	3,978.00
9/19/2024	143495	TR17-R-MNT-54333-52840	U. Amadi	9,580.00
9/19/2024	143525	TR17-R-O-54382-52913	J. Torres	4,018.00
9/19/2024	143524	TR17-R-SOCO-54279-52764	M. Thomas	2,058.00
9/19/2024	143498	TR17-R-WEST-54430-52973	D. Colomba	15,500.00
9/19/2024	143527	TR17-R-YLWD-54292-52782	D. Winters	7,511.00
Total				707,998.70
Waterford Pointe Homeowners Assoc				
9/30/2024	143535	RTF5538	ORP Recycled Water Incentive for Waterford Pointe HOA	269.75
Total				269.75
US Bank				
9/30/2024	143534	6066-AUG24	07/23/24-08/22/24 Cal Card Charges - WEROC	4,341.10
Total				4,341.10
Verizon Wireless				
9/05/2024	143486	9972210321	August 2024 4G Mobile broadband unlimited service	116.03
Total				116.03
Total Other Funds Disbursements				19,154,393.31

Municipal Water District of Orange County
Disbursement Ratification Report
For the Month of September 2024

Name/ Date	Check/ EFT	Invoice	Description	Amount
Total Disbursements				<u>19,179,101.57</u>



Harvey De La Torre, General Manager



Hilary Chumpitaz, Treasurer

Cal Card Charges
Statement Date: July 22, 2024
Payment Date: August 30, 2024

Date	Description	Amount
General Manager Card:		
7/18/2024	Peer to Peer 2024 in San Jose, CA from 05/29/24-05/30/24 - Refund of Accomodation charges for J. Berg	(30.00)
7/22/2024	AWWA - Water Use Efficiency Practitioner (WUEP) Certification - A. Cavazos	280.00
7/25/2024	OCBC Legislative Days in Irvine, CA on 07/31/24- Registration for H. Baez	75.00
7/29/2024	AWWA Annual Fall Conference 2024 in Reno, NV on 10/21/24-10/24/24 - Registration for R. Davis	530.00
7/29/2024	AWWA Annual Fall Conference 2024 in Reno, NV on 10/21/24-10/24/24 - Airfare for R. Davis	259.97
7/30/2024	AWWA Fall Conference 2024 in Reno, NV on 10/21/24-10/24/24 - Accommodations for R. Davis	147.77
8/01/2024	Water Solutions 9: Diversifying Solutions toward Regional Water Security in Irvine, CA on 08/22/24 - Registration for R. Crane	50.00
8/02/2024	CSDA 2024 Board Secretary & Clerk Conference in San Diego, CA from 10/21/24-10/23/24 - Accommodations for M. Goldsby	197.23
8/05/2024	Watershed Wise Landscape Professional Certification - SoCal Gas - Registration - T. Fann	75.00
8/07/2024	California Landscape Contractors Association: Water Efficient Landscape Dual Certification Program - Registration for A. Renteria Solis	50.00
8/07/2024	PRSA ICON 2024 Conference in Anaheim, CA from 10/15/24-10/17/24 - Registration for T. Baca and S. Wilson	3,290.00
8/08/2024	Water Education Seminar in Orange, CA, on 08/14/24 - Registration for G. Zavala and H. Escamilla	372.00
8/09/2024	Virtual Workshop: Supervisory Skills for the Public Sector - Registration for C. Harris	180.00
8/09/2024	CA Water Data Summit in San Diego, CA, on 08/15/24-08/16/24 - Accommodations for J. Berg	403.45
8/13/2024	08/08/24-08/13/24 Meals for H. De La Torre's meetings	339.30
8/14/2024	Urban Water Institute Annual Water Conference in San Diego, CA, from 08/21/24-8/23/24 Accommodations for A. Nederhood & J. Thomas	1,078.40
8/15/2024	CSDA Annual Conference in Indian Wells, CA from 09/09/24-09/12/24 - Registration for H. Baez & D. Micalizzi	1,665.00
8/17/2024	Urban Water Institute Annual Water Conference in San Diego, CA, from 08/21/24-8/23/24 - Accommodations for D. Micalizzi	539.20
8/20/2024	Watersmart Innovations 2024 in Las Vegas, NV from 09/24/24-09/26/24 - Airfare for T. Fann	213.96
8/20/2024	AWWA WaterSmart Innovations 2024 Conference in Las Vegas, NV from 09/24/24-09/26/24 - Accommodations for T. Fann	96.05
Total:		9,812.33
Public Affairs Card:		
7/24/2024	Key for storage unit	4.28
7/24/2024	Branded candy for Ricky Celebration	185.41
7/30/2024	August 2024 Open AI monthly subscription, language processing tool	20.00
8/03/2024	August 2024 Monthly Public Storage Unit for Public Affairs	721.00
8/14/2024	Welcome lunch for new PA Assistant	141.54
8/17/2024	Inadvertent charge to be reimbursed by check	186.06
8/19/2024	Lunch for OC Water Summit planning meeting	62.40
8/20/2024	Branded napkins for the Ricky Celebration	89.00
Total:		1,409.69

Cal Card Charges
Statement Date: July 22, 2024
Payment Date: August 30, 2024

Date	Description	Amount
WEROC Card:		
7/25/2024	Two Microsoft Windows 11 upgrade licenses to Pro for WEROC	198.00
7/25/2024	Purchase of flip chart presentation supplies for WEROC training and exercises	333.97
7/26/2024	Purchase of privacy monitor screens for WEROC staff work station	293.06
7/31/2024	Breakfast for WEROC EMIC training on 08/01/24	261.00
8/06/2024	Fraudulent charge - pending investigation for credit and card closed	1,933.54
8/13/2024	CalOES/FBI Water Defense Workshop on 09/09/24 in Sacramento, CA - Airfare for V. Osborn	154.98
8/16/2024	Purchase of jacket from 5.11 Tactical for WEROC staff for training, exercises, and field use	304.81
8/21/2024	Supplies for WEROC mobile command unit for incident response	861.74
Total:		4,341.10

Administration Card:

7/22/2024	July and August 2024 Telephone expense for one fax line	66.65
7/22/2024	All Staff meeting lunch on 07/25/24	383.05
7/23/2024	Employee birthday cake	38.30
7/23/2024	Admin staff breakfast on 07/24/24	99.75
7/23/2024	Oil change for Water Loss Control Shared Services Chevrolet Silverado truck	84.08
7/24/2024	Lunch for First Aid CPR training on 07/23/24	390.00
7/24/2024	First Aid CPR training for staff on 07/23/24	2,162.00
7/25/2024	06/25/24-07/24/24 Monthly web hosting and database charges	152.99
7/25/2024	USB adapters for staff	26.07
7/25/2024	Power strips, earbuds, and over-the-ear headphones for staff	185.53
7/25/2024	E-Signature allowance for 200 envelopes	1,242.00
7/26/2024	Office supplies	50.47
7/27/2024	Office supplies	15.33
7/27/2024	Office supplies	98.50
7/28/2024	Office supplies	39.36
7/31/2024	Lunch for First Aid CPR training on 07/30/24	406.39
7/31/2024	Office supplies	57.57
7/31/2024	Yealink desk phone for staff	143.55
7/31/2024	Human Resource Group Meeting on 08/15/24 in Placentia, CA for K. Davanaugh	35.00
7/31/2024	Office supplies	114.18
7/31/2024	Annual subscription for fax services and line provisioning	224.00
8/01/2024	HP LaserJet printer for HR	188.13
8/02/2024	First Aid CPR training for staff on 07/30/24	1,598.00
8/02/2024	08/02/24-09/01/24 Zoom Video Communications fee with audio licenses	188.92
8/05/2024	Yealink phone headset for staff	39.68
8/06/2024	Lunch for management staff on 08/05/24	327.86
8/12/2024	August 2024 Wireless Internet Backup	45.00
8/15/2024	Three usb-c laptop chargers for staff	65.25
8/16/2024	Black toner cartridge for staff	88.77
8/16/2024	Office supplies	18.45
8/17/2024	07/17/24-08/16/24 Monthly cloud storage fee to backup Laserfiche for compliance/immutability	26.09
8/19/2024	Flowers for staff	94.14
8/19/2024	Office supplies	295.63
8/19/2024	Cord management/wire keeper for staff	15.20

Cal Card Charges
Statement Date: July 22, 2024
Payment Date: August 30, 2024

Date	Description	Amount
Administration Card (continued)		
8/19/2024	08/19/24-09/19/24 Monthly fax service charge	10.00
8/21/2024	Annual renewal of public security certificate for finance system (ep.mwdoc.com)	99.99
8/21/2024	Books for staff	66.85
8/21/2024	Employee ten-year anniversary gift card	150.00
8/21/2024	Prorated annual subscription fee to add second technician for remote technical assistance	123.78
Total:		9,456.51

Municipal Water District of Orange County
GM Approved Disbursement Report ⁽¹⁾
For the Month of September 2024

Name/ Date	Check/ EFT	Invoice	Description	Amount
Core Disbursements:				
Aqua Cleanse LLC				
9/30/2024	143528	22226	MWDOC office carpet cleaning	800.00
Total				800.00
CALPERS				
9/07/2024	EFT	100000017645446	Fees for GASB-68 Reports & Schedules for June 30, 2024	700.00
Total				700.00
CSU Fullerton ASC				
9/30/2024	EFT	AR174467	07/01/24-09/30/24 Center for Demographic Research Support	16,947.36
Total				16,947.36
Dopudja & Wells Consulting Inc				
9/30/2024	143529	1702	July 2024 Needs Assessment services	7,785.00
Total				7,785.00
E Source Companies LLC				
9/30/2024	EFT	12254	July 2024 Retail Agency Technical Assistance services	5,340.00
Total				5,340.00
ECS Imaging Inc				
9/30/2024	EFT	19031	Annual Laserfiche software licenses and support renewal	3,359.65
Total				3,359.65
Jill Promotions				
9/30/2024	EFT	12309	Branded promotional item - Athletic crew socks	2,890.88
9/30/2024	EFT	12318	Branded promotional item - Mini sono speakers	2,477.13
9/30/2024	EFT	12319	Branded promotional item - Three-in-one charger	2,014.35
Total				7,382.36
PARS				
9/30/2024	EFT	6746050100-2024	FY 2024-25 Annual CALPERS Unfunded Liability Contribution	207,000.00
Total				207,000.00
The Westin South Coast Plaza				
9/17/2024	EFT	92724	Estimate of charges for 09/27/24 OC Water Summit	18,687.09
Total				18,687.09
Tracker A Division of C2 LLC				
9/30/2024	EFT	INV-0624051	Portfolio Accounting and Reporting - Annual subscription fee renewal	3,300.00
Total				3,300.00

**Municipal Water District of Orange County
GM Approved Disbursement Report ⁽¹⁾
For the Month of September 2024**

Name/ Date	Check/ EFT	Invoice	Description	Amount
Triangle Decon Services Inc				
9/30/2024	EFT	2024-28	August 2024 Breakroom remodel	52,012.50
Total				<u>52,012.50</u>
Total Core Disbursements				<u>323,313.96</u>
 Choice Disbursements:				
Above All Catering Inc				
9/30/2024	EFT	C47193	Lunch for Water Use Efficiency Workgroup meeting on 09/05/24	873.55
Total				<u>873.55</u>
Total Choice Disbursements				<u>873.55</u>
 Other Funds Disbursements:				
E Source Companies LLC				
9/30/2024	EFT	12254	July 2024 Retail Agency Technical Assistance services	27,680.00
Total				<u>27,680.00</u>
Office Solutions				
9/30/2024	EFT	I-02250880	09/05/24 Business cards for WEROC staff	62.80
Total				<u>62.80</u>
Santa Margarita Plumbing & Air				
9/30/2024	EFT	16167-39861	August 2024 services for the Pressure Regulating Valve Replacement Program	3,906.16
Total				<u>3,906.16</u>
Total Other Funds Disbursements				<u>31,648.96</u>
Total Disbursements				<u><u>355,836.47</u></u>



 Harvey De La Torre, General Manager



 Hilary Chumpitazi, Treasurer

⁽¹⁾ For disbursements that did not make the cut-off of previous month's Disbursement Approval report. Disbursements are approved by GM for payment and need A & F Committee ratification.



**Municipal Water District of Orange County
Consolidated Summary of Cash and Investment**
August 31, 2024

District investments and cash balances are held in various funds designated for certain purposes as follows:

Fund	Book Value	% of Portfolio
Restricted Reserves		
WEROC Operating Fund	\$ 378,042	1.51%
Pension 115 Trust	1,999,765	7.96%
Total Restricted Reserves	\$2,377,807	9.47%
Designated Reserves		
Operating Reserves	\$3,819,350	15.21%
Election Reserve	1,146,947	4.57%
OPEB Reserve	297,147	1.18%
Total Designated Reserves	\$5,263,444	20.96%
General Operations Fund	\$13,566,592	54.02%
Water Purchase Payments Fund	4,644,290	18.49%
Conservation Fund	(756,228)	(3.01%)
Trustee Activities - AMP	18,141	0.07%
Total Other Funds	\$17,472,795	69.57%
Total	\$25,114,046	100.00%

The funds are invested as follows:

Term of Investment	% of Portfolio	Book Value	Market Value
Cash	0.44%	\$ 110,164	\$ 110,164
Pension 115 Trust	7.96%	1,999,765	1,999,765
Short-term investment			
• LAIF	62.07%	15,587,275	15,587,275
• OCTP	17.19%	4,316,879	4,316,879
Long-term investment			
• US Government Issues	0.99%	249,963	237,957
• Corporate Bond	4.78%	1,200,000	1,151,600
• Certificates of Deposit	6.57%	1,650,000	1,654,339
Total	100.00%	\$25,114,046	\$25,057,979

The average number of days to maturity/call as of August 31, 2024, equaled 112 and the average yield to maturity is 4.266%. During the month of August 2024, the District's average daily balance was \$25,981,196.03. Funds were invested in US Bank, Pension 115 Trust, Negotiable Certificate of Deposits, Corporate Bonds, US Government Issues, Local Agency Investment Funds (LAIF) and Orange County Treasurer's Pool (OCTP).

The (\$56,067) difference between the book value and the market value on August 31, 2024, represents the exchange difference if all investments had been liquidated on that date. Since it is the District's practice to "buy and hold" investments until maturity, the market values are a point of reference, not an indication of actual loss or gain. There are no current plans or cash flow requirements identified in the near future that would require the sale of these securities prior to maturity.


Harvey De La Torre
General Manager


Hilary Chumpitazi
Treasurer

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President

Jeffery M. Thomas
Vice President

Randall Crane, Ph.D.
Director

Larry D. Dick
Director

Al Nederhood
Director

Karl W. Seckel, P.E.
Director

Megan Yoo Schneider, P.E.
Director

Harvey F. De La Torre
General Manager

MEMBER AGENCIES

- City of Brea
- City of Buena Park
- East Orange County Water District
- El Toro Water District
- Emerald Bay Service District
- City of Fountain Valley
- City of Garden Grove
- Golden State Water Co.
- City of Huntington Beach
- Irvine Ranch Water District
- Laguna Beach County Water District
- City of La Habra
- City of La Palma
- Mesa Water District
- Moulton Niguel Water District
- City of Newport Beach
- City of Orange
- Orange County Water District
- City of San Clemente
- Santa Margarita Water District
- City of Seal Beach
- Serrano Water District
- South Coast Water District
- Trabuco Canyon Water District
- City of Tustin
- City of Westminster
- Yorba Linda Water District




MUNICIPAL WATER DISTRICT OF ORANGE COUNTY

Portfolio Management - Portfolio Summary August 31, 2024

8/31/2024	Par Value	Market Value	Book Value	% of Portfolio	Days to Mat/Call	YTM @ Cost
Negotiable Certificate Of Deposit	1,650,000.00	1,654,338.50	1,650,000.00	7.17	1,362	3.656
Corporate Bond	1,200,000.00	1,151,600.50	1,200,000.00	5.22	238	1.518
US Government Issues	250,000.00	237,957.50	249,963.59	1.09	87	0.860
Local Agency Investment Funds	15,587,274.65	15,587,274.65	15,587,274.65	67.76	1	4.579
Orange County Treasurer's Pool	4,316,879.15	4,316,879.15	4,316,879.15	18.76	1	4.332
Total Investments	23,004,153.80	22,948,050.30	23,004,117.39	100.00	112	4.266
Cash						
Cash	110,163.63	110,163.63	110,163.63		1	0.00
Pension 115 Trust	1,999,764.90	1,999,764.90	1,999,764.90		1	0.00
Total Cash and Investments	25,114,082.33	25,057,978.83	25,114,045.92		112	4.266

Total Earnings	Month Ending August	Fiscal Year to Date
Current Year	90,046.35	154,889.10
Average Daily Balance	25,981,196.03	
Effective Rate of Return	4.266%	

We certify that this report reflects the cash and investments of the Municipal Water District of Orange County and is in conformity with the Government Code requirements and the District Investment Policy and Guidelines in effect at the time of investment. The Investment Program herein shown provides sufficient cash flow liquidity to meet the next six month's estimated expenditure. The source for the market values are from U.S. Bank. Per Resolution 2059 there are no compliance exceptions to report.


Harvey De La Torre, General Manager

10/03/2024
Date


Hilary Chumkitzi, Treasurer

10/03/2024
Date

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Portfolio Management
Long-Term Portfolio Details - Investments
August 31, 2024

Issuer	CUSIP/Ticker	Settlement Date	Par Value	Market Value	Book Value	Coupon Rate	YTM @ Cost	Days To Call/Maturity	Maturity Date
Negotiable Certificate Of Deposit									
American Express Bank	02589ADE9	7/20/2022	200,000.00	196,872.00	200,000.00	3.350	3.350	1,053	7/20/2027
Discover Bank	2546736R2	7/26/2023	250,000.00	255,720.00	250,000.00	4.500	4.500	1,423	7/24/2028
Leaders Credit Union	52171MAN5	8/30/2024	250,000.00	252,365.00	250,000.00	3.850	3.850	1,825	8/30/2029
Magyar Bank	55977RCD3	7/30/2024	250,000.00	253,235.00	250,000.00	4.100	4.100	1,794	7/30/2029
Sallie Mae Bank	7954507A7	7/14/2021	200,000.00	189,024.00	200,000.00	1.000	1.000	682	7/14/2026
Slate Bank of India	8662652Q3	8/10/2023	250,000.00	258,995.00	250,000.00	4.550	4.550	1,440	8/10/2028
Toyota Financial SGS Bank	89235MPD7	9/27/2022	250,000.00	248,127.50	250,000.00	3.650	3.650	1,117	9/22/2027
Sub Total			1,650,000.00	1,654,338.50	1,650,000.00	3.656	3.656	1,362	
US Government Issues									
FHLB	3130ALGR9	3/1/2021	250,000.00	237,957.50	249,963.59	0.850	0.860	87	2/26/2026
Sub Total			250,000.00	237,957.50	249,963.59	0.850	0.860	87	
Corporate Bond									
Bank of America Corp	06048WK41	12/7/2020	250,000.00	237,105.00	250,000.00	0.850	0.800	451	11/25/2025
Citigroup Global Markets	17328WFZ6	9/16/2020	250,000.00	239,902.50	250,000.00	1.000	1.000	16	9/16/2025
JP Morgan Chase	48126GV56	8/18/2020	250,000.00	238,390.00	250,000.00	0.800	0.800	352	8/18/2025
Morgan Stanley Fin LLC	61766YKH3	6/29/2022	200,000.00	197,198.00	200,000.00	4.500	4.500	302	6/29/2027
Societe Generale	83369MD25	8/19/2020	250,000.00	239,005.00	250,000.00	1.300	1.088	80	8/19/2025
Sub Total			1,200,000.00	1,151,600.50	1,200,000.00	1.573	1.518	238	
Total Investments			3,100,000.00	3,043,896.50	3,099,963.59	2.623	2.603	824	
Total Earnings									
Current Year									
			Month Ending August	Fiscal Year To Date					
			6,387.70	12,468.77					

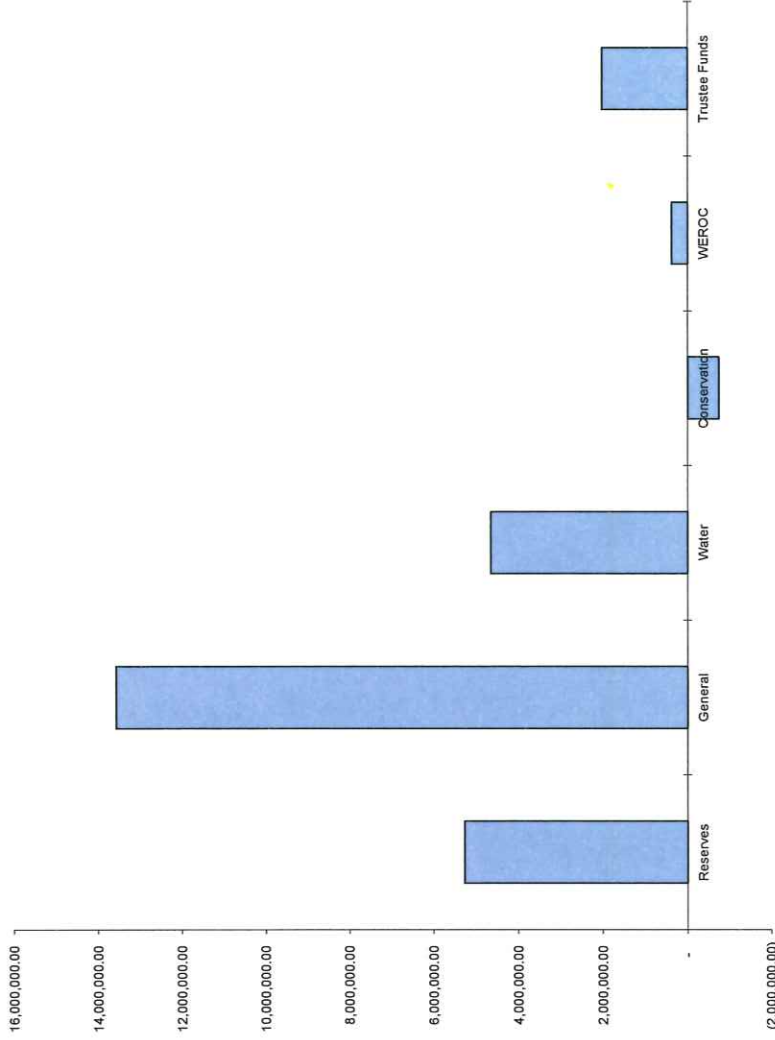
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Portfolio Management
Short-Term Portfolio Details - Cash and Investments
August 31, 2024

Investments	CUSIP/Ticker	Settlement Date	Par Value	Market Value	Book Value	Coupon Rate	YTM @ Cost	Days To Call/Maturity	Maturity Date
Local Agency Investment Funds									
LAIF LGIP	LAIF	6/30/2010	15,587,274.65	15,587,274.65	15,587,274.65	4.579	4.579	1	N/A
Sub Total			15,587,274.65	15,587,274.65	15,587,274.65	4.579	4.579	1	
Orange County Treasurer's Pool									
County of Orange LGIP	OCIP	6/29/2005	4,316,879.15	4,316,879.15	4,316,879.15	4.332	4.332	1	N/A
Sub Total			4,316,879.15	4,316,879.15	4,316,879.15	4.332	4.332	1	
Total Investments			19,904,153.80	19,904,153.80	19,904,153.80	4.525	4.525		
Cash									
Petty Cash Cash	CASH	7/1/2010	500.00	500.00	500.00	0.000	0.000	1	N/A
US Bank Cash	CASHUSBANK	7/25/2018	109,663.63	109,663.63	109,663.63	0.000	0.000	1	N/A
Pension 115 Trust	PENSION115TRUST	7/31/2018	1,999,764.90	1,999,764.90	1,999,764.90	0.000	0.000	1	N/A
Total Cash			2,109,928.53	2,109,928.53	2,109,928.53	0.000	0.000	1	
Total Cash and Investments			22,014,082.33	22,014,082.33	22,014,082.33	4.525	4.525	1	

Total Earnings	Month Ending August	Fiscal Year To Date
Current Year	83,658.65	142,420.33

**Municipal Water District of Orange County
Cash and Investments at August 31, 2024**

ALLOCATION	AMOUNT	%
MWDOC		
Restricted Reserves		
WEROC Operating Fund	\$ 378,042	1.51%
Pension 115 Trust	1,999,765	7.96%
Total Restricted Reserves	\$ 2,377,807	9.47%
Designated Reserves		
Operating Reserve	\$ 3,819,350	15.21%
Election Reserve	1,146,947	4.57%
OPEB Reserve	297,147	1.18%
Total Designated Reserves	\$ 5,263,444	20.96%
General Operations Fund	\$ 13,566,592	54.02%
Water Purchase Payments Fund	\$ 4,644,290	18.49%
Conservation Fund	(756,228)	-3.01%
Total Other Funds	\$ 17,454,654	69.50%
TOTAL MWDOC	\$ 25,095,905	99.93%
TRUSTEE ACTIVITIES		
AMP Sales Admin	\$ 18,141	0.07%
TOTAL TRUSTEE ACTIVITIES	\$ 18,141	0.07%
TOTAL CASH & INVESTMENTS	\$ 25,114,046	100.00%



MUNICIPAL WATER DIST OF ORANGE COUNTY
PARS Post-Employment Benefits Trust

Account Report for the Period
8/1/2024 to 8/31/2024

Hilary Chumpitazi
Accounting Manager
Municipal Water Dist of Orange County
18700 Ward Street
Fountain Valley, CA 92708

Account Summary

Source	Balance as of 8/1/2024	Contributions	Earnings	Expenses	Distributions	Transfers	Balance as of 8/31/2024
OPEB	\$2,927,528.15	\$0.00	\$50,546.26	\$1,403.94	\$0.00	\$0.00	\$2,976,670.47
PENSION	\$2,045,572.68	\$0.00	\$35,318.55	\$980.99	\$0.00	\$0.00	\$2,079,910.24
Totals	\$4,973,100.83	\$0.00	\$85,864.81	\$2,384.93	\$0.00	\$0.00	\$5,056,580.71

Investment Selection

Source	
OPEB	Moderate - Strategic Blend
PENSION	Moderate - Strategic Blend

Investment Objective

Source	
OPEB	The dual goals of the Moderate Strategy are growth of principal and income. It is expected that dividend and interest income will comprise a significant portion of total return, although growth through capital appreciation is equally important. The portfolio will be allocated between equity and fixed income investments.
PENSION	The dual goals of the Moderate Strategy are growth of principal and income. It is expected that dividend and interest income will comprise a significant portion of total return, although growth through capital appreciation is equally important. The portfolio will be allocated between equity and fixed income investments.

Investment Return

Source	1-Month	3-Months	1-Year	Annualized Return			Plan's Inception Date
				3-Years	5-Years	10-Years	
OPEB	1.73%	5.51%	15.99%	2.36%	6.72%	6.00%	10/26/2011
PENSION	1.73%	5.51%	15.99%	2.39%	6.71%	-	7/31/2018

Information as provided by US Bank, Trustee for PARS: Not FDIC Insured: No Bank Guarantee: May Lose Value

Past performance does not guarantee future results. Performance returns may not reflect the deduction of applicable fees, which could reduce returns. Information is deemed reliable but may be subject to change.
Investment Return: Annualized rate of return is the return on an investment over a period other than one year multiplied or divided to give a comparable one-year return.
Account balances are inclusive of Trust Administration, Trustee and Investment Management fees



**MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
COMBINED FINANCIAL STATEMENTS
AND
BUDGET COMPARATIVE
JULY 1, 2024 THRU AUGUST 31, 2024**

**Municipal Water District of Orange County
Combined Balance Sheet
As of August 31, 2024**

	<u>Amount</u>
<u>ASSETS</u>	
Cash in Bank	110,163.63
Investments	25,003,882.29
Accounts Receivable	33,874,605.77
Accounts Receivable - Other	461,401.48
Accrued Interest Receivable	169,788.31
Prepays/Deposits	964,480.30
Leasehold Improvements	7,010,782.88
Furniture, Fixtures & Equipment	724,085.38
Less: Accumulated Depreciation	<u>(4,105,971.89)</u>
TOTAL ASSETS	<u>64,213,218.15</u>
<u>LIABILITIES AND FUND BALANCES</u>	
<u>LIABILITIES</u>	
Accounts Payable	36,748,882.32
Accounts Payable - Other	7.79
Accrued Salaries and Benefits Payable	783,323.07
Other Liabilities	284,478.14
Unearned Revenue	<u>967,820.57</u>
TOTAL LIABILITIES	<u>38,784,511.89</u>
<u>FUND BALANCES</u>	
<u>Restricted Fund Balances</u>	
WEROC Reserve	396,676.84
Pension 115 Trust	1,999,764.90
Total Restricted Fund Balances	<u>2,396,441.74</u>
<u>Unrestricted Fund Balances</u>	
<u>Designated Reserves</u>	
General Operations	3,819,350.00
Election Expense	1,146,947.00
OPEB	297,147.00
Total Designated Reserves	<u>5,263,444.00</u>
General Fund	8,226,155.01
General Fund Capital	86,023.20
Total Unrestricted Fund Balances	<u>13,575,622.21</u>
<u>Excess Revenue over Expenditure</u>	
Operating Fund	9,628,820.38
Other Funds	<u>(172,178.07)</u>
TOTAL FUND BALANCES	<u>25,428,706.26</u>
TOTAL LIABILITIES AND FUND BALANCES	<u>64,213,218.15</u>

**Municipal Water District of Orange County
Revenues and Expenditures Budget Comparative Report
General Fund
July 1, 2024 thru August 31, 2024**

	<u>Month to Date</u>	<u>Year to Date</u>	<u>Annual Budget</u>	<u>% Used</u>	<u>Encumbrance</u>	<u>Budget Remaining</u>
<u>REVENUES</u>						
Retail Connection Charge	0.00	9,580,818.25	9,580,818.00	100.00%	0.00	(0.25)
Ground Water Customer Charge	0.00	405,463.00	405,463.00	100.00%	0.00	0.00
Water Rate Revenues	0.00	9,986,281.25	9,986,281.00	100.00%	0.00	(0.25)
Interest Revenue	94,274.78	161,891.14	738,960.00	21.91%	0.00	577,068.86
Subtotal	94,274.78	10,148,172.39	10,725,241.00	94.62%	0.00	577,068.61
Choice Programs	989,455.00	989,455.00	1,507,834.00	65.62%	0.00	518,379.00
Miscellaneous Income	0.01	0.01	3,000.00	0.00%	0.00	2,999.99
School Contracts	375,776.17	375,776.17	456,647.00	82.29%	0.00	80,870.83
Transfer-In from Reserve	0.00	0.00	142,771.00	0.00%	0.00	142,771.00
Subtotal	1,365,231.18	1,365,231.18	2,110,252.00	64.70%	0.00	745,020.82
TOTAL REVENUES	1,459,505.96	11,513,403.57	12,835,493.00	89.70%	0.00	1,322,089.43

Municipal Water District of Orange County
Revenues and Expenditures Budget Comparative Report
General Fund
July 1, 2024 thru August 31, 2024

	<u>Month to Date</u>	<u>Year to Date</u>	<u>Annual Budget</u>	<u>% Used</u>	<u>Encumbrance</u>	<u>Budget Remaining</u>
<u>EXPENSES</u>						
Salaries & Wages	437,854.46	885,251.06	5,410,886.00	16.36%	0.00	4,525,634.94
Salaries & Wages - Grant Recovery	0.00	0.00	(65,000.00)	0.00%	0.00	(65,000.00)
Director's Compensation	20,300.66	39,619.03	275,041.00	14.40%	0.00	235,421.97
MWD Representation	12,442.34	21,282.95	157,166.00	13.54%	0.00	135,883.05
Employee Benefits	132,880.86	268,560.53	1,559,286.00	17.22%	0.00	1,290,725.47
CalPers Unfunded Liability Contribution	0.00	0.00	207,000.00	0.00%	0.00	207,000.00
Director's Benefits	9,290.06	18,118.13	149,557.00	12.11%	0.00	131,438.87
Health Insurance for Retirees	3,623.41	7,246.82	81,349.00	8.91%	0.00	74,102.18
Training Expense	24,564.39	24,594.39	41,000.00	59.99%	7,762.50	8,643.11
Tuition Reimbursement	0.00	0.00	6,000.00	0.00%	0.00	6,000.00
Temporary Help Expense	0.00	0.00	5,000.00	0.00%	0.00	5,000.00
Personnel Expenses	640,956.18	1,264,672.91	7,827,285.00	16.16%	7,762.50	6,554,849.59
Engineering Expense	4,082.50	8,583.75	293,000.00	2.93%	112,863.00	171,553.25
Legal Expense	24,446.30	40,015.23	260,000.00	15.39%	219,984.77	0.00
Audit Expense	7,500.00	7,500.00	36,500.00	20.55%	24,000.00	5,000.00
Professional Services	71,672.32	131,300.24	1,730,450.00	7.59%	1,083,873.62	515,276.14
Professional Fees	107,701.12	187,399.22	2,319,950.00	8.08%	1,440,721.39	691,829.39
Conference - Staff	5,530.00	9,775.00	40,002.00	24.44%	0.00	30,227.00
Conference - Directors	50.00	323.54	16,955.00	1.91%	0.00	16,631.46
Travel & Accom. - Staff	2,090.06	6,144.16	89,580.00	6.86%	0.00	83,435.84
Travel & Accom. - Directors	1,246.40	1,246.40	39,925.00	3.12%	0.00	38,678.60
Travel & Conference	8,916.46	17,489.10	186,462.00	9.38%	0.00	168,972.90
Membership/Sponsorship	5,000.00	126,218.94	243,688.00	51.80%	0.00	117,469.06
CDR Support	0.00	0.00	67,789.00	0.00%	67,789.43	(0.43)
Dues & Memberships	5,000.00	126,218.94	311,477.00	40.52%	67,789.43	117,468.63
Business Expense	171.30	822.56	5,000.00	16.45%	0.00	4,177.44
Office Maintenance	12,087.27	19,011.32	348,680.00	5.45%	155,677.16	173,991.52
Building Repair & Maintenance	1,615.46	4,037.87	30,200.00	13.37%	11,216.13	14,946.00
Storage Rental & Equipment Lease	70.17	182.53	1,200.00	15.21%	659.66	357.81
Office Supplies	2,403.87	4,050.77	30,000.00	13.50%	2,556.39	23,392.84
Supplies - Water Loss Control	154.16	229.07	4,500.00	5.09%	0.00	4,270.93
Postage/Mail Delivery	674.58	1,021.49	10,100.00	10.11%	1,259.08	7,819.43
Subscriptions & Books	1,327.16	5,355.75	10,000.00	53.56%	0.00	4,644.25
Reproduction Expense	13,680.56	15,206.09	109,000.00	13.95%	7,919.14	85,874.77
Maintenance - Computers	564.05	2,780.26	17,500.00	15.89%	0.00	14,719.74
Software Purchase	9,021.16	14,290.77	84,365.00	16.94%	20,236.41	49,837.82
Software Support	3,300.00	5,978.13	4,648.00	128.62%	0.00	(1,330.13)
Computers and Equipment	672.07	672.07	29,250.00	2.30%	0.00	28,577.93
Automotive Expense	511.48	1,006.55	11,900.00	8.46%	0.00	10,893.45
Vehicle Expense	718.40	1,720.37	12,000.00	14.34%	0.00	10,279.63
Toll Road Charges	16.53	30.87	800.00	3.86%	0.00	769.13
Insurance Expense	16,345.53	33,004.53	198,000.00	16.67%	0.00	164,995.47
Utilities - Telephone	3,083.59	6,135.80	45,526.00	13.48%	1,140.30	38,249.90
Bank Fees	0.00	0.00	2,400.00	0.00%	0.00	2,400.00
Miscellaneous Expense	3,770.83	17,186.56	156,800.00	10.96%	7,210.00	132,403.44
MWDOC's Contrb. to WEROC	25,067.33	50,134.70	300,808.00	16.67%	0.00	250,673.30
Depreciation Expense	6,474.47	12,949.07	0.00	0.00%	0.00	(12,949.07)
Other Expenses	101,729.97	195,807.13	1,412,677.00	13.86%	207,874.27	1,008,995.60
Election Expense	0.00	0.00	725,642.00	0.00%	0.00	725,642.00
Capital Aquisition	1,065.58	1,065.58	52,000.00	2.05%	16,683.41	34,251.01
Building Expense	52,012.50	91,930.31	0.00	0.00%	24,378.38	(116,308.69)
TOTAL EXPENSES	917,381.81	1,884,583.19	12,835,493.00	14.68%	1,765,209.38	9,185,700.43
NET INCOME (LOSS)	542,124.15	9,628,820.38	0.00	0.00%	(1,765,209.38)	(7,863,611.00)

**Municipal Water District of Orange County
Revenues and Expenditures Budget Comparative Report
Water Fund
July 1, 2024 thru August 31, 2024**

	<u>Month to Date</u>	<u>Year to Date</u>	<u>Annual Budget</u>	<u>% Used</u>	<u>Budget Remaining</u>
<u>WATER REVENUES</u>					
Water Sales	16,355,464.50	33,037,286.70	187,429,409.00	17.63%	154,392,122.30
Readiness to Serve Charge	1,277,343.00	2,554,683.57	16,263,519.00	15.71%	13,708,835.43
Capacity Charge CCF	313,880.00	627,760.00	4,069,230.00	15.43%	3,441,470.00
SCP/SAC Pipeline Surcharge	42,429.19	80,977.80	459,000.00	17.64%	378,022.20
TOTAL WATER REVENUES	17,989,116.69	36,300,708.07	208,221,158.00	17.43%	171,920,449.93
<u>WATER PURCHASES</u>					
Water Sales	16,355,464.50	33,037,286.70	187,429,409.00	17.63%	154,392,122.30
Readiness to Serve Charge	1,277,343.00	2,554,683.57	16,263,519.00	15.71%	13,708,835.43
Capacity Charge CCF	313,880.00	627,760.00	4,069,230.00	15.43%	3,441,470.00
SCP/SAC Pipeline Surcharge	42,429.19	80,977.80	459,000.00	17.64%	378,022.20
TOTAL WATER PURCHASES	17,989,116.69	36,300,708.07	208,221,158.00	17.43%	171,920,449.93
EXCESS OF REVENUE OVER EXPENDITURE	0.00	0.00	0.00	0.00%	0.00

**Municipal Water District of Orange County
Revenues and Expenditures Budget Comparative Report
Water Use Efficiency
July 1, 2024 thru August 31, 2024**

	<u>Year to Date Actual</u>	<u>Annual Budget</u>	<u>% Used</u>
Spray To Drip Conversion(3423)			
Revenues	33,041.43	1,585,000.00	2.08%
Expenses	88,428.98	1,585,000.00	5.45%
Excess of Revenues over Expenditures	(55,387.55)	0.00	
Member Agency Administered Pass-Thru(3425)			
Revenues	(300.00)	25,000.00	(1.20)%
Expenses	(300.00)	25,000.00	(1.20)%
Excess of Revenues over Expenditures	0.00	0.00	
ULFT Rebate Program(3410)			
Revenues	0.00	1,500.00	0.00%
Expenses	0.00	1,500.00	0.00%
Excess of Revenues over Expenditures	0.00	0.00	
HECW Rebate Program(3411)			
Revenues	11,521.78	50,000.00	23.04%
Expenses	9,645.00	50,000.00	19.29%
Excess of Revenues over Expenditures	1,876.78	0.00	
CII Rebate Program(3416)			
Revenues	0.00	1,000.00	0.00%
Expenses	0.00	1,000.00	0.00%
Excess of Revenues over Expenditures	0.00	0.00	
Turf Removal Program(3418)			
Revenues	400,704.00	8,143,000.00	4.92%
Expenses	471,479.54	8,143,000.00	5.71%
Excess of Revenues over Expenditures	(70,775.54)	0.00	
Comprehensive Landscape (CLWUE)(3427)			
Revenues	3,882.53	382,900.00	1.01%
Expenses	27,812.77	382,900.00	7.26%
Excess of Revenues over Expenditures	(23,930.24)	0.00	
Recycled Water Program(3433)			
Revenues	0.00	40,000.00	0.00%
Expenses	0.00	40,000.00	0.00%
Excess of Revenues over Expenditures	0.00	0.00	
WSIP - Industrial Program(3432)			
Revenues	0.00	22,000.00	0.00%
Expenses	0.00	22,000.00	0.00%
Excess of Revenues over Expenditures	0.00	0.00	
Land Design Program(3431)			
Revenues	0.00	120,000.00	0.00%
Expenses	0.00	120,000.00	0.00%
Excess of Revenues over Expenditures	0.00	0.00	
Dedicated Irrigation Meters Measurement Project (DIMM)(3439)			
Revenues	0.00	448,000.00	0.00%
Expenses	0.00	448,000.00	0.00%
Excess of Revenues over Expenditures	0.00	0.00	
Total WUE Projects			
Revenues	448,849.74	10,818,400.00	29.85%
Expenses	597,066.29	10,818,400.00	36.51%
Excess of Revenues over Expenditures	(148,216.55)	0.00	

**Municipal Water District of Orange County
 Revenues and Expenditures Budget Comparative Report
 Water Use Efficiency
 July 1, 2024 thru August 31, 2024**

	<u>Year to Date Actual</u>	<u>Annual Budget</u>	<u>% Used</u>
WEROC			
Revenues	350,942.45	601,616.00	58.33%
Expenses	374,720.71	601,616.00	23.95%
Excess of Revenues over Expenditures	(23,778.26)	0.00	



ACTION ITEM
October 16, 2024

TO: Board of Directors

FROM: **Administration & Finance Committee**
(Directors Crane, Thomas, Nederhood)

Harvey De La Torre, General Manager

Staff Contact: Katie Davanaugh, Sr. Human Resources Analyst

SUBJECT: 2025 Health Savings Account Contributions

STAFF RECOMMENDATION

It is recommended that the Board of Directors approve an increase to the District’s annual Health Savings Account (HSA) contribution amounts, made by the District, to the Kaiser and Anthem Consumer Driven Health Plans (CDHP) for the 2025 plan year, as follows:

	Employee Only	2-party	Family
2025 Proposed Annual District contributions, by plan, by tier			
2025 Kaiser	\$1,650	\$3,300	\$3,300
2025 Anthem	\$1,450	\$2,900	\$2,700
2024 Annual District contributions, by plan, by tier			
2024 Kaiser	\$1,600	\$3,200	\$3,200
2024 Anthem	\$1,400	\$2,800	\$2,600

Employee participants may make an additional contribution to their HSA for 2025 (less District contribution), in accordance with IRS maximum contributions, as follows:

\$4,300 for employee only coverage

\$8,550 for family coverage

An additional \$1,000 contribution is allowed for those 55 and over.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

Budgeted: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Budgeted amount: \$5,800	Core: <input checked="" type="checkbox"/>	Choice: <input type="checkbox"/>
Action item amount: \$6,000	Movement between funds: <input type="checkbox"/> Yes <input type="checkbox"/> No		

SUMMARY

Annually at open enrollment, the Board of Directors reviews, establishes and approves the District's contribution amounts to a Health Saving Account (HSA) for employees who participate in a Consumer Driven Health Plan (CDHP). 2025 will be the 10th year that the District has offered and participated in the Anthem PPO and Kaiser Consumer Driven Health Plans (CDHP). To incentivize participation in these plans, MWDOC coordinates with Association of California Water Agencies/Joint Powers Insurance Authority (ACWA/JPIA) to review, analyze and formulate the suggested contribution amount to each participant's HSA. Current 2024 enrollment is as follows for the CDHPs:

- 2 participants in the Kaiser Plan (Employee only coverage)
- 1 participant in the Anthem Consumer Driven Health Plan (family coverage)

Full contributions are made effective with the first payroll in January for employees enrolled in a CDHP or that switched to a CDHP during open enrollment. Employees hired in January and thereafter will receive a pro-rated initial contribution to their HSA, effective with their benefit eligibility date.

ALIGNMENT WITH BOARD STRATEGIC PRIORITIES

- | | |
|--|---|
| <input type="checkbox"/> Clarifying MWDOC's mission and role; defining functions and actions. | <input type="checkbox"/> Work with member agencies to develop water supply and demand objectives. |
| <input type="checkbox"/> Balance support for Metropolitan's regional mission and Orange County values and interests. | <input type="checkbox"/> Solicit input and feedback from member agencies. |
| <input type="checkbox"/> Strengthen communications and coordination of messaging. | <input checked="" type="checkbox"/> Invest in workforce development and succession planning. |

BOARD OPTIONS

Option #1: It is recommended that the Board of Directors approve an increase to the District's annual Health Savings Account (HSA) contribution amounts (made by the District) to the Kaiser and Anthem Consumer Driven Health Plans (CDHP) for the 2025 plan year, as listed on page 1 of this staff report.

Fiscal Impact An increase of \$200 for a total of \$6,000, based on existing enrollment; however, this can increase or decrease depending on employee plan participation at the end of open enrollment.

Option #2: Do not approve an increase to the HSA contribution amounts

Fiscal impact Varies by plan participation. However this option will likely discourage participation in this plan.



ACTION ITEM
October 16, 2024

TO: Board of Directors

FROM: **Administration & Finance Committee**
(Directors Crane, Thomas, Nederhood)

Harvey De La Torre, General Manager

Staff Contact: Hilary Chumpitazi

SUBJECT: **Authorize FY24-25 Choice Program Budget Revisions**

STAFF RECOMMENDATION

It is recommended that the Board of Directors approve the Choice Program budget revisions.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

SUMMARY

After approving the FY24-25 Budget at the April 2024 Board Meeting, the Board was notified that the final Choice Programs Budget would return for further action if it deviated from the adopted FY24-25 Budget estimates based on the final agency participation numbers.

After receiving final participation numbers, the Choice Budget will be adjusted by an increase of \$80,155 compared to the FY24-25 budget. Key drivers are the following:

- **K-12 School Program:** Final participation numbers from agencies were received following the FY24-25 Budget adoption in April 2024; as such, agency selection for K-12 activity increased by \$35,014. This results in a concurrent increase in Choice-funded salaries/benefits of \$3,046.
- **Water Loss Control:** Based on an increase in Water Loss Control mileage anticipated during FY24-25 as well as the August 2024 Board action transitioning the Water Loss Control interns into a Water Loss Control Technician, an increase in

Budgeted: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Budgeted amount: N/A	Core: <input checked="" type="checkbox"/>	Choice: <input checked="" type="checkbox"/>
Action item amount: N/A		Movement between funds: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Choice-funded salaries/benefits, professional fees, software, and staff training of \$28,492.

- There is a commensurate increase in Overhead Expenses for Choice-funded Programs of \$13,603, which results in a Core Budget Overhead Reimbursement credit.

ALIGNMENT WITH BOARD STRATEGIC PRIORITIES

- | | |
|--|--|
| <input checked="" type="checkbox"/> Clarifying MWDOC’s mission and role; defining functions and actions. | <input checked="" type="checkbox"/> Work with member agencies to develop water supply and demand objectives. |
| <input type="checkbox"/> Balance support for Metropolitan’s regional mission and Orange County values and interests. | <input checked="" type="checkbox"/> Solicit input and feedback from member agencies. |
| <input checked="" type="checkbox"/> Strengthen communications and coordination of messaging. | <input checked="" type="checkbox"/> Invest in workforce development and succession planning. |

BOARD OPTIONS

Option #1: Approve the MWDOC Annual Budget for Fiscal Year 2024-25 with the final version of the Revised Choice Program.

Fiscal Impact: Choice revenue and expenses increase by \$80,155, with a Core Budget Overhead Reimbursement credit of \$13,603.

Option #2: Do not approve the MWDOC Annual Budget for Fiscal Year 2024-25 with the final version of the Revised Choice Program.

Fiscal Impact: Choice and Core Budgets remain unchanged.

List of Attachments/Links:
Attachment 1: Annual Budget for Fiscal Year 2024-25 – Final with Revised Choice Program (rev. 9/30/2024)



Annual Budget for Fiscal Year 2024-25

Final Budget with Revised Choice Programs

MWDOC's mission is:

To provide reliable, high-quality supplies from MWD and other sources to meet present and future needs, at an equitable and economical cost, and to promote water use efficiency for all of Orange County

Exhibit A2
SUMMARY OF REVENUES AND EXPENSES BY LINE ITEMS
CORE FUND

	FY23/24 ADOPTED BUDGET	FY23/24 PROJECTED ACTUALS	VARIANCE ACTUALS TO BUDGET	FY24/25 PROPOSED BUDGET	VARIANCE TO PROJECTED ACTUALS	VARIANCE TO ADOPTED BUDGET
OPERATING EXPENSES:						
Salaries & Wages	\$ 4,372,578	\$ 4,543,359	\$ 170,780	\$ 4,674,242	\$ 130,883	\$ 301,664
Employee Benefits	1,291,472	1,364,639	73,167	1,359,165	(5,474)	67,693
Director Compensation	275,041	271,439	(3,602)	275,041	3,602	-
Director Benefits	104,447	130,360	25,913	149,557	19,197	45,110
MWD Representation	117,875	142,433	24,558	157,166	14,733	39,292
CALPERS Unfunded Liability Contribution	207,000	207,000	-	207,000	-	-
Overhead Reimbursement	(439,274)	(442,965)	(3,691)	(430,173)	12,792	9,101
Health Insurance Coverage for Retirees	84,847	83,788	(1,059)	81,349	(2,439)	(3,498)
Audit Expense	36,500	31,500	(5,000)	36,500	5,000	-
Automotive & Toll Road Expenses	9,575	9,835	260	12,100	2,265	2,525
Conference Expense - Staff	49,832	38,382	(11,450)	40,002	1,620	(9,830)
Conference Expense - Directors	23,065	15,835	(7,230)	16,955	1,120	(6,110)
Outside Consulting Expense	307,000	147,000	(160,000)	293,000	146,000	(14,000)
Insurance Expense	182,976	132,875	(50,101)	198,000	65,125	15,024
Legal Expense - General	241,000	236,000	(5,000)	260,000	24,000	19,000
Maintenance Expense	181,860	169,871	(11,989)	348,680	178,809	166,820
Membership / Sponsorship	167,366	188,900	21,534	243,688	54,788	76,322
CDR Participation	62,433	62,433	-	67,789	5,356	5,356
Miscellaneous Expense	147,800	126,900	(20,900)	150,700	23,800	2,900
Postage / Mail Delivery	11,275	7,100	(4,175)	9,600	2,500	(1,675)
Professional Fees	1,191,325	1,133,652	(57,673)	1,101,750	(31,902)	(89,575)
Rents & Leases	1,800	894	(906)	1,200	306	(600)
Outside Printing, Subscription & Books	94,000	95,700	1,700	119,000	23,300	25,000
Office Supplies	27,000	22,000	(5,000)	30,000	8,000	3,000
Building Repair & Maintenance	25,200	20,000	(5,200)	30,200	10,200	5,000
Computer Maintenance	5,000	5,000	-	17,500	12,500	12,500
Business Expense	2,000	4,000	2,000	5,000	1,000	3,000
Software Support & Expense	154,483	154,483	-	86,188	(68,295)	(68,295)
Computers and Equipment	43,000	43,000	-	29,250	(13,750)	(13,750)
Telecommunications Expense	43,918	32,980	(10,938)	43,006	10,026	(912)
Temporary Help Expense	5,000	9,639	4,639	5,000	(4,639)	-

Exhibit A2
SUMMARY OF REVENUES AND EXPENSES BY LINE ITEMS
CORE FUND

	FY23/24 ADOPTED BUDGET	FY23/24 PROJECTED ACTUALS	VARIANCE ACTUALS TO BUDGET	FY24/25 PROPOSED BUDGET	VARIANCE TO PROJECTED ACTUALS	VARIANCE TO ADOPTED BUDGET
Training Expense	35,000	35,000	-	40,000	5,000	5,000
Tuition Reimbursement	5,000	4,000	(1,000)	6,000	2,000	1,000
OPERATING EXPENSES: continued						
Travel & Accommodations - Staff	102,200	68,426	(33,774)	89,580	21,154	(12,620)
Travel & Accommodations - Directors	42,400	28,584	(13,816)	39,925	11,341	(2,475)
MWDOC's Contribution to WEROC: Operations	293,307	296,290	2,983	300,808	4,518	7,501
Election Expense	-	-	-	-	-	-
Capital Acquisition (excluding building)	25,892	222,686	196,794	37,000	(185,686)	11,108
Capital Acq Prior Year Carryover Dr/(Cr)	-	-	-	-	-	-
OPERATING EXPENSES	\$ 9,531,193	\$ 9,643,019	\$ 111,826	\$ 10,131,768	\$ 488,750	\$ 600,575
MWDOC's Building Expense	\$ 389,000	\$ 222,686	\$ (166,314)	\$ 366,376	\$ 143,690	\$ (22,624)
Building Expense Prior Year Carryover Dr/(Cr)	\$ (166,314)	\$ (123,307)	\$ 43,007	\$ (366,376)	\$ (243,069)	\$ (200,062)
Contribution to Election Reserve	\$ 563,020	\$ 664,360	\$ 101,340	\$ 725,642	\$ 61,282	\$ 162,622
TOTAL EXPENSES	\$10,316,899	\$10,406,758	\$ 89,859	\$ 10,857,410	\$ 450,653	\$ 540,511

REVENUES:						
Retail Meter Charge	\$ 9,206,255	\$ 9,206,255	\$ -	\$ 9,580,818	\$ 374,563	\$ 374,563
Ground Water Customer Charge	383,697	383,697	-	405,463	21,766	21,766
Reimb for PARS OPEB Trust Reimbursement	-	80,000	80,000	80,000	-	80,000
Interest Revenue	319,410	728,429	409,020	738,960	10,531	419,550
Miscellaneous Income	3,000	3,000	-	3,000	-	-
TOTAL REVENUES	\$ 9,912,362	\$10,401,381	\$ 489,020	\$ 10,808,241	\$ 406,860	\$ 895,880

EFFECT ON RESERVES:						
TOTAL CONTRIBUTION (DRAW) FROM RESERVES	\$ (404,537)	\$ (5,376)	\$ 399,161	\$ (49,169)	\$ (43,793)	\$ 355,368

Exhibit A3
SUMMARY OF REVENUES AND EXPENSES BY LINE ITEMS
CHOICE FUNDS

	FY23/24 ADOPTED BUDGET	FY23/24 PROJECTED ACTUALS	VARIANCE ACTUALS TO BUDGET	FY24/25 PROPOSED BUDGET	VARIANCE TO PROJECTED ACTUALS	VARIANCE TO ADOPTED BUDGET
OPERATING EXPENSES:						
Salaries & Wages	\$ 762,777	\$ 778,617	\$ 15,840	\$ 748,464	\$ (30,153)	\$ (14,313)
less for Recovery from Grants	(30,000)	(40,000)	(10,000)	(65,000)	(25,000)	(35,000)
Employee Benefits	215,911	208,294	(7,616)	218,894	10,600	2,983
Director Compensation	-	-	-	-	-	-
Director Benefits	-	-	-	-	-	-
MWD Representation	-	-	-	-	-	-
Overhead Reimbursement	439,274	442,965	3,691	430,173	(12,792)	(9,101)
Health Insurance Coverage for Retirees	-	-	-	-	-	-
Audit Expense	-	-	-	-	-	-
Automotive & Toll Road Expenses	800	500	(300)	600	100	(200)
Vehicle Expense	12,000	10,000	(2,000)	12,000	2,000	-
Conference Expense - Staff	-	-	-	-	-	-
Conference Expense - Directors	-	-	-	-	-	-
Outside Consulting Expense	-	-	-	-	-	-
Insurance Expense	-	-	-	-	-	-
Legal Expense - General	-	-	-	-	-	-
Maintenance Expense	-	-	-	-	-	-
Membership / Sponsorship	-	-	-	-	-	-
Miscellaneous Expense	9,000	8,000	(1,000)	8,770	770	(230)
Postage / Mail Delivery	400	400	-	500	100	100
Professional Fees	607,100	466,467	(140,633)	663,714	197,247	56,614
Rents & Leases	-	-	-	-	-	-
Outside Printing, Subscription & Books	-	-	-	-	-	-
Office Supplies	-	-	-	-	-	-
Supplies - Water Loss Control	4,000	4,000	-	4,800	800	800
Computer Maintenance	-	-	-	-	-	-
Software Support & Expense	2,200	2,425	225	3,000	575	800
Telecommunications Expense	2,520	1,560	(960)	2,520	960	-
Computers and Equipment	-	-	-	-	-	-
Temporary Help Expense	-	-	-	-	-	-
Training Expense	1,000	60	(940)	1,200	1,140	200
Tuition Reimbursement	-	-	-	-	-	-

Exhibit A3
SUMMARY OF REVENUES AND EXPENSES BY LINE ITEMS
CHOICE FUNDS

	FY23/24 ADOPTED BUDGET	FY23/24 PROJECTED ACTUALS	VARIANCE ACTUALS TO BUDGET	FY24/25 PROPOSED BUDGET	VARIANCE TO PROJECTED ACTUALS	VARIANCE TO ADOPTED BUDGET
OPERATING EXPENSES: continued						
Capital Acquisition	-	-		15,000	15,000	15,000
Subtotal Expenses	\$ 2,026,982	\$ 1,883,289	\$ (143,693)	\$ 2,044,635	\$ 161,346	17,653.10
TOTAL EXPENSES	\$ 2,026,982	\$ 1,883,289	\$ (143,693)	\$ 2,044,635	\$ 161,346	\$ 17,653

REVENUES:						
Choice Revenue	\$ 2,026,982	\$ 1,883,289	\$ (143,693)	\$ 2,044,635	\$ 161,346	\$ 17,653
TOTAL REVENUES	\$ 2,026,982	\$ 1,883,289	\$ (143,693)	\$ 2,044,635	\$ 161,346	\$ 17,653

Exhibit A4
SUMMARY OF REVENUES AND EXPENSES BY LINE ITEMS
CONSOLIDATED

	FY23/24 ADOPTED BUDGET	FY23/24 PROJECTED ACTUALS	VARIANCE ACTUALS TO BUDGET	FY24/25 PROPOSED BUDGET	VARIANCE TO PROJECTED ACTUALS	VARIANCE TO ADOPTED BUDGET
OPERATING EXPENSES:						
Salaries & Wages	\$ 5,135,355	\$ 5,321,976	\$ 186,620	\$ 5,422,706	\$ 100,730	\$ 287,350
less for Recovery from Grants	(30,000)	(40,000)	(10,000)	(65,000)	(25,000)	(35,000)
Employee Benefits	1,507,382	1,572,933	65,551	1,578,059	5,125	70,677
Director Compensation	275,041	271,439	(3,602)	275,041	3,602	-
Director Benefits	104,447	130,360	25,913	149,557	19,197	45,110
MWD Representation	117,875	142,433	24,558	157,166	14,733	39,292
CALPERS Unfunded Liability Contribution	207,000	207,000	-	207,000	-	-
Overhead Reimbursement	-	-	-	-	-	-
Health Insurance Coverage for Retirees	84,847	83,788	(1,059)	81,349	(2,439)	(3,498)
Audit Expense	36,500	31,500	(5,000)	36,500	5,000	-
Automotive & Toll Road Expenses	10,375	10,335	(40)	12,700	2,365	2,325
Vehicle Expense - Water Loss Control	12,000	10,000	(2,000)	12,000	2,000	-
Conference Expense - Staff	49,832	38,382	(11,450)	40,002	1,620	(9,830)
Conference Expense - Directors	23,065	15,835	(7,230)	16,955	1,120	(6,110)
Outside Consulting Expense	307,000	147,000	(160,000)	293,000	146,000	(14,000)
Insurance Expense	182,976	132,875	(50,101)	198,000	65,125	15,024
Legal Expense - General	241,000	236,000	(5,000)	260,000	24,000	19,000
Maintenance Expense	181,860	169,871	(11,989)	348,680	178,809	166,820
Membership / Sponsorship	167,366	188,900	21,534	243,688	54,788	76,322
CDR Participation	62,433	62,433	-	67,789	5,356	5,356
Miscellaneous Expense	156,800	134,900	(21,900)	159,470	24,570	2,670
Postage / Mail Delivery	11,675	7,500	(4,175)	10,100	2,600	(1,575)
Professional Fees	1,798,425	1,600,119	(198,306)	1,765,464	165,345	(32,961)
Rents & Leases	1,800	894	(906)	1,200	306	(600)
Outside Printing, Subscription & Books	94,000	95,700	1,700	119,000	23,300	25,000
Office Supplies	27,000	22,000	(5,000)	30,000	8,000	3,000
Supplies - Water Loss Control	4,000	4,000	-	4,800	800	800
Building Repair & Maintenance	25,200	20,000	(5,200)	30,200	10,200	5,000
Computer Maintenance	5,000	5,000	-	17,500	12,500	12,500
Business Expense	2,000	4,000	2,000	5,000	1,000	3,000
Software Support & Expense	156,683	156,908	225	89,188	(67,720)	(67,495)
Computers and Equipment	43,000	43,000	-	29,250	(13,750)	(13,750)
Telecommunications Expense	46,438	34,540	(11,898)	45,526	10,986	(912)

**Exhibit A4
SUMMARY OF REVENUES AND EXPENSES BY LINE ITEMS
CONSOLIDATED**

	FY23/24 ADOPTED BUDGET	FY23/24 PROJECTED ACTUALS	VARIANCE ACTUALS TO BUDGET	FY24/25 PROPOSED BUDGET	VARIANCE TO PROJECTED ACTUALS	VARIANCE TO ADOPTED BUDGET
Temporary Help Expense	5,000	9,639	4,639	5,000	(4,639)	-
Training Expense	36,000	35,060	(940)	41,200	6,140	5,200
Tuition Reimbursement	5,000	4,000	(1,000)	6,000	2,000	1,000
OPERATING EXPENSES: continued						
Travel & Accommodations - Staff	102,200	68,426	(33,774)	89,580	21,154	(12,620)
Travel & Accommodations - Directors	42,400	28,584	(13,816)	39,925	11,341	(2,475)
MWDOC's Contribution to WEROC: Operations	293,307	296,290	2,983	300,808	4,518	7,501
Election Expense	-	-	-	-	-	-
Capital Acquisition (excluding building)	25,892	222,686	196,794	52,000	(170,686)	26,108
Capital Acq Prior Year Carryover Dr/(Cr)	-	-	-	-	-	-
OPERATING EXPENSES	\$ 11,558,175	\$ 11,526,307	\$ (31,867)	\$ 12,176,403	\$ 650,096	\$ 618,228
MWDOC's Building Expense	\$ 389,000	\$ 222,686	\$ (166,314)	\$ 366,376	\$ 143,690	\$ (22,624)
Building Expense Prior Year Carryover Dr/(Cr)	\$ (166,314)	\$ (123,307)	\$ 43,007	\$ (366,376)	\$ (243,069)	\$ (200,062)
Contribution to Election Reserve	\$ 563,020	\$ 664,360	\$ 101,340	\$ 725,642	\$ 61,282	\$ 162,622
TOTAL EXPENSES	\$ 12,343,881	\$ 12,290,046	\$ (53,834)	\$ 12,902,045	\$ 611,999	\$ 558,164

REVENUES:						
Retail Meter Charge	\$ 9,206,255	\$ 9,206,255	\$ -	\$ 9,580,818	\$ 374,563	\$ 374,563
Ground Water Customer Charge	383,697	383,697	-	405,463	21,766	21,766
Reimb for PARS OPEB Trust Reimbursement	-	80,000	80,000	80,000	-	80,000
Interest Revenue	319,410	728,429	409,020	738,960	10,531	419,550
Miscellaneous Income	3,000	3,000	-	3,000	-	-
Choice Revenue	2,026,982	1,883,289	(143,693)	2,044,635	161,346	17,653
TOTAL REVENUES	\$ 11,939,343	\$ 12,284,670	\$ 345,327	\$ 12,852,876	\$ 568,206	\$ 913,533

EFFECT ON RESERVES:						
TOTAL CONTRIBUTION (DRAW) FROM RESERVES	\$ (404,537)	\$ (5,376)	\$ 399,161	\$ (49,169)	\$ (43,793)	\$ 355,368

Exhibit A5
SUMMARY OF REVENUES AND EXPENSES BY LINE ITEMS
WATER FUND

	FY 23-24 ADOPTED BUDGET	FY 23-24 PROJECTED ACTUALS	VARIANCE ACTUALS TO BUDGET	FY 24-25 PROPOSED BUDGET	VARIANCE TO PROJECTED ACTUALS	VARIANCE TO FY 23-24 BUDGET
Water Revenues						
Water Sales(a)	\$ 185,749,302	\$ 137,495,251	\$ (48,254,051)	\$ 192,091,367	\$ 54,596,116	\$ 6,342,065
Local Resource Program Incentives	(4,725,194)	(5,033,060)	(307,866)	(4,661,958)	371,102	63,236
Readiness-To-Serve Charge	13,768,707	12,940,558	(828,149)	16,263,519	3,322,961	2,494,812
Capacity Charge	4,816,710	4,457,310	(359,400)	4,069,230	(388,080)	(747,480)
SCP/SAC Pipeline Surcharge	358,000	328,000	(30,000)	459,000	131,000	101,000
TOTAL WATER REVENUES	\$ 199,967,525	\$ 150,188,059	\$ (49,779,466)	\$ 208,221,158	\$ 58,033,099	\$ 8,253,633
Water Expenses						
Water Purchases	\$ 185,749,302	\$ 137,495,251	\$ (48,254,051)	\$ 192,091,367	\$ 54,596,116	\$ 6,342,065
Local Resource Program Incentives	(4,725,194)	(5,033,060)	(307,866)	(4,661,958)	371,102	63,236
Readiness-To-Serve Charge	13,768,707	12,940,558	(828,149)	16,263,519	3,322,961	2,494,812
Capacity Charge	4,816,710	4,457,310	(359,400)	4,069,230	(388,080)	(747,480)
SCP/SAC Pipeline Surcharge	358,000	328,000	(30,000)	459,000	131,000	101,000
TOTAL WATER EXPENSES	\$ 199,967,525	\$ 150,188,059	\$ (49,779,466)	\$ 208,221,158	\$ 58,033,099	\$ 8,253,633
Changes to Fund Balance:						
Tier 2 Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

(a)=FY 24-25 Proposed Budget amount is based on an estimated 142,241 AF

Exhibit A6
SUMMARY OF FUNDING AND EXPENSES
For All Water Use Efficiency Programs

	FY 2023-2024 ADOPTED BUDGET	FY 2023-2024 PROJECTED ACTUALS	VARIANCE ACTUALS TO BUDGET	FY 2024-2025 PROPOSED BUDGET	VARIANCE TO PROJECTED ACTUALS	VARIANCE TO ADOPTED BUDGET
Funding						
Metropolitan Water District	\$ 10,067,500	\$ 4,757,923	\$ (5,309,577)	\$ 7,743,000	\$ 2,985,077	\$ (2,324,500)
USBR	939,000	289,990	(649,010)	880,902	590,912	(58,098)
DWR	1,190,980	500,444	(690,536)	749,855	249,411	(441,125)
Member Agencies	1,408,240	1,383,580	(24,660)	1,498,286	114,706	90,046
MWDOC	-	-	-	-	-	-
TOTAL OUTSIDE FUNDING	\$ 13,605,720	\$ 6,931,937	\$ (6,673,784)	\$ 10,872,042	\$ 3,940,106	\$ (2,733,678)
Program Expenses Funded from Outside Sources						
Project Administration - Staff Time	\$ 10,000	\$ -	\$ (10,000)	\$ 53,642	\$ 53,642	\$ 43,642
Installation Verification	105,000	99,723	(5,277)	91,000	(8,723)	(14,000)
Rebate Incentives	11,426,720	6,368,770	(5,057,950)	10,159,400	3,790,630	(1,267,320)
Surveys and Audits	2,064,000	462,000	(1,602,000)	568,000	106,000	(1,496,000)
TOTAL PROGRAMS EXPENSES	\$ 13,605,720	\$ 6,930,493	\$ (6,675,227)	\$ 10,872,042	\$ 3,941,550	\$ (2,733,678)

**Exhibit B
Expenditures by Program**

Cost Center	PROGRAM	FY23/24 BUDGET FTE	FY24/25 BUDGET FTE	FY 2023-2024 Budget	FY 2023-2024 Projected Actuals	FY 2024-2025 Proposed Budget
11	Administrative - Board	1.79	1.88	\$ 1,298,250	\$ 1,356,986	\$ 1,404,336
12	Administrative - General	4.60	4.79	1,035,641	1,051,702	1,154,916
13	Personnel / Staff Development	1.66	1.85	498,697	537,779	548,272
19	Overhead	4.70	4.07	1,238,833	1,123,664	1,380,430
21	Reliability Planning and Engineering	2.68	2.73	817,059	754,668	873,020
23	Metropolitan Issues and Water Policy	2.43	2.10	753,069	563,673	654,565
31	Governmental Affairs	0.85	0.90	657,611	632,573	626,265
35	Water Use Efficiency (Core)	1.09	1.22	457,818	528,693	582,765
32	Public Affairs	5.50	5.76	1,329,287	1,393,260	1,401,430
41	Finance	3.22	3.54	659,023	740,368	745,868
45	Information Technology	1.00	1.00	492,222	466,570	459,093
25	MWDOC's Contribution to WEROC	3.05	3.00	293,307	296,290	300,808
CORE TOTAL		32.57	32.84	\$ 9,530,818	\$ 9,446,225	\$ 10,131,768
62	Water Use Efficiency Program	5.89	6.29	1,039,923	1,148,718	989,455
63	School Programs	0.05	0.06	435,950	287,489	496,062
70	Water Loss Control	3.37	2.57	551,109	447,081	559,118
CHOICE TOTAL		9.31	8.92	\$ 2,026,982	\$ 1,883,289	\$ 2,044,635
CORE & CHOICE TOTAL		41.88	41.76	\$ 11,557,800	\$ 11,329,513	\$ 12,176,403
Includes:	Full-time employees	34.65	34.08	(2)		
	Part-time employees	2.25	2.29			
	Interns	1.92	2.39			
	WEROC employees	3.05	3.00			

(1)

(1) Total Operational Costs of WEROC is allocated among MWDOC, OCWD, OCSD, Anaheim, Santa Ana, Fullerton and South Orange County Wastewater Authority. Capital Expenditures are provided by MWDOC. Dollars shown are MWDOC's share only.

(2) FTE's for 2023-2024 are calculated based on 2080 hours of work for the year. FTE's for 2024-2025 are calculated based on 2088 hours worked for the year. This corresponds to the actual working days for the fiscal year which varies year to year.

Municipal Water District of Orange County
 FY24/25 FISCAL MASTER PLAN PROJECTIONS

(in thousands)

	Projected ACTUALS FY23/24	BUDGET FY24/25	FISCAL MASTER PLAN PROJECTIONS ¹				
			FY25/26	FY26/27	FY27/28	FY28/29	FY29/30
Beginning Designated Reserve Balance - MWDOC	\$5,263	\$ 5,277	\$ 5,133	\$ 5,062	\$ 5,030	\$ 5,034	5,074.20
Net OPEB Asset	0	0	0	0	0	0	0
less OPEB Reserve	297	297	297	297	297	297	297
Adjusted Reserve Balance	4,966	4,980	4,836	4,765	4,733	4,737	4,777
Revenues							
Water Rate Revenues:							
Retail Meter Agency Charge	9,206	9,581	9,936	10,293	10,653	11,014	11,377
Ground Water Customer Charge	384	405	420	434	450	465	482
Subtotal	9,590	9,986	10,356	10,728	11,102	11,479	11,859
Other Revenues:							
Choice Revenues	1,883	2,045	2,116	2,190	2,267	2,346	2,428
Interest Earnings	728	739	765	797	837	888	952
Misc./Reimbursements	3	3	3	3	3	3	3
Subtotal	2,615	2,787	2,884	2,990	3,107	3,237	3,384
Total Revenues	12,205	12,773	13,240	13,718	14,209	14,716	15,242
Expenses							
Core Expenses	9,420	10,095	10,448	10,814	11,192	11,584	11,989
Choice Expenses	1,883	2,045	2,116	2,190	2,267	2,346	2,428
Capital Acquisitions (not including building)	223	52	20	20	20	20	20
Total Expenses w/o Election	11,526	12,191	12,584	13,024	13,479	13,950	14,438
Revenue Over Expenses w/o Election	678	581	655	694	730	766	805
ELECTION Reserve Beginning Balance	483	1,147	163	889	315	1,041	57
Annual Election Reserve Contribution	664	726	726	726	726	726	726
Annual Election Expense	-	1,710	-	1,300	-	1,710	-
Election Reserve Ending Balance	1,147	163	889	315	1,041	57	783
Ending General Fund & Designated Reserves \$	3,833	\$ 4,673	\$ 3,876	\$ 4,418	\$ 3,696	\$ 4,720	\$ 4,073

Document does not reflect MWDOC's irrevocable trust towards OPEB Pension liability

MWDOC Water Rates

Total Retail Customer Meters	646,053	649,547	651,547	653,547	655,547	657,547	659,547
Connection Charge	\$ 14.25	\$ 14.75	\$ 15.25	\$ 15.75	\$ 16.25	\$ 16.75	\$ 17.25
Fixed Charge %		100%	100%	100%	100%	100%	100%
Rate Increase Proposal:							
Connection Charge		\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50

1 Assumptions for FMP: Projected Inflation rate: 3.50% per year
 Rate of return on Investment of portfolio: 3.50% per year

Working Capital and Interest Revenue Projections

	FISCAL MASTER PLAN PROJECTIONS				
	FY25/26	FY26/27	FY27/28	FY28/29	FY29/30
Working Capital:					
Designated Reserve Fund	5,133	5,062	5,030	5,034	5,074
Average Revenue from Agencies	5,178	5,364	5,551	5,740	5,929
WUE use of fund	(800)	(800)	(500)	(500)	(500)
Water Payment Float	2,669	2,694	2,719	2,744	2,769
Average Working Capital	12,180	12,320	12,800	13,018	13,272
Interest rate	3.50%	4.20%	5.04%	6.05%	7.26%
Interest Revenue Projections:					
Interest income - General	426	517	645	787	963
Total Interest Revenue Projections	426	517	645	787	963

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
 Summary of Conference/Meeting Budget
 Proposed District Participation Costs

Grouping	Approval in Budget	Exhibit D			Exhibit E		Exhibit F		Exhibit G					
		Proposed District Participation Costs	Adopted Budget FY23/24	Projected Actuals FY23/24	Proposed Budget FY24/25	Registration	Travel	Registration	Travel	Memberships	Registration	Travel	Total	
Board Related														
Conference / Meeting	✓													
Association of California Cities- Orange County (ACCOCC)	✓													
Association of California Water Agencies (ACWA)	✓													
Cal Desal	✓													
California Council for Environmental and Economic Balance (CCEEB)	✓													
California Special Districts Association (CSDA)	✓													
Colorado River Water Users Association (CRWUA)	✓													
LAFCC	✓	39,795	43,016	45,000										45,000
Legislative Advocacy	✓													
Orange County Business Council (OCBC)	✓													
Urban Water Institute	✓													
Miscellaneous	✓													
Board Related Total		39,795	43,016	45,000										45,000
Staff Related														
(DWR)/State Water Resources Control Board (SWRCB)	✓													
American Water Works Association (AWWA)	✓	2,056	2,037	2,056		1,800								
Association of California Cities- Orange County (ACCOCC)	✓	5,200	5,200	5,200		6,250								2,056
Association of California Water Agencies (ACWA)	✓	25,641	25,395	25,641		1,000								6,250
CA Chamber of Commerce (HR California)	✓	904	904	950		10,080								10,080
CA Water for all	New													
Cal Desal	✓	5,200	5,000	5,200		250								5,200
California Association of Public Information Officers (CAPIO)	✓	982	982	982		1,100								982
California Council for Environmental and Economic Balance (CCEEB)	✓	31,500	31,500	29,000		5,000								29,000
California Employees Public Retirement System(CalPERS)	✓					1,347								
California Environmental Literacy Initiative	✓	624	624	640		1,500								640
California Municipal Treasurers Association (CMTA)	✓	182	175	185		175								185
California Municipal Utilities Association (CMUA)	✓	9,657	10,214	10,520		350								10,520
California Society of Municipal Finance Officers (CSMFO)	✓	125	125	130		1,000								1,000
California Special Districts Association (CSDA)	✓	9,162	9,050	9,300		1,725								9,300
California Water Efficiency Partnership (CalWEP)	✓	6,271	6,271	6,459		1,250								6,459
California Water, Energy and Education Alliance (CWEEA)	✓	1,248	1,248	1,285		3,000								3,000
California Data Collaboration	New													
Colorado River Water Users Association (CRWUA)	✓					2,300								2,300
Department of Water Resources Education Committee	✓	1,560	1,560	1,600		3,800								3,800
ESRI-GIS	✓					2,075								2,075
Festival of Butterflies Sponsorship	✓	2,500	2,500	2,500		1,000								2,500
Government Finance Officers Association (GFOA)	✓	177	177	182										182
Indep. Special Districts of Or. Co. (ISDOC)	✓	52	52	52										52
Information Systems Audit and Control Association (ISACA)	New													
International Association of Business Communicators (IABC)	✓	390	390	400		400								400
League of California Cities	New													
Legislative Advocacy	✓													
Liebert, Cassidy Whitmore	✓					5,200								5,200
Multi-State Salinity Coalition	✓					1,200								1,200
National Water Resources Assn., Mun. Caucus	✓	567	525	557		245								557
OC Chapter-Calif. Landscape Contractors Assoc.	✓	2,340	2,340	2,400										2,400
Orange County Business Council (OCBC)	✓	5,200	5,000	5,150		1,000								5,150
Orange County Public Affairs Association (OCPAA)	✓	650	650	650		1,600								1,600
Orange County Water Association (OCWA)	✓	260	260	260										260
Public Relations Society of America/O.C. (PRSA)	✓	1,394	1,394	1,394		900								1,394
Public Sector HR Assoc	✓	124	62	64		400								400
Radio and Television News Directors Association	✓	75	75	75										75
Society of Human Resources Management (SHRM)	✓	238	238	245										245
South OC Watershed Management Area Dues	✓	9,100	9,100	9,300										9,300
South Orange County Economic Coalition (SOCEC)	✓	1,695	1,695	1,745										1,745
Southern California Water Coalition (SCWC)	✓	1,061	1,061	1,092										1,092
Urban Water Institute	✓	1,379	5,000	6,000		3,125								6,000
Water Environment Federation	✓	57	57	60		5,200								5,200

*Includes all modes of travel (except a automotive mileage), room accommodations, meals, and related misc. expenses.

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Summary of Conference/Meeting Budget
Proposed District Participation Costs

Grouping	Approval included in Budget Approval	Exh.D Proposed District Participation Costs			Exh.E Proposed Staff Registration & Travel Budget*		Exh.F Proposed Board Registration & Travel Budget*		Exh.G Proposed Total Membership that Includes Registration & Travel Cost*			
		Adopted Budget FY23/24	Projected Actuals FY23/24	Proposed Budget FY24/25	Registration	Travel	Registration	Travel	Memberships	Registration	Travel	Total
Staff Related												
Conference / Meeting												
Water Smart Innovations	✓					1,305	2,600					
WaterISAC (International Security And Network)	New			550					550			550
Miscellaneous	✓					4,500	6,000					
Pict.MWDOC Ambassador Program + Outreach Tours	New			20,000					20,000			20,000
Staff Related Total		127,571	130,661	181,162	40,002	89,580			181,162	27,030	68,180	276,372
WEROC Related												
AWWA CANV Section	✓	311		311		1,450	1,700					
California Emergency Services Association	✓	239		239		1,650	8,000					
International Association of Emergency Managers	✓	400	326	400		800	4,500					
WEROC Related Total		950	326	950	3,900	14,200			226,162	27,030	68,180	321,372
Grand Total		168,316	174,003	227,112	43,902	103,780	16,955	39,925	226,162	27,030	68,180	321,372

*Includes all modes of travel (except automotive mileage), room accommodations, meals, and related misc. expenses.

Exhibit H

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY Schedule of Capital Expenditures Fiscal Year 2024-25

	Proposed Budget	Approval included in <u>Budget Approval</u>
Capital Acquisition-19-8810:		
VOIP Project	\$ 25,000	√
Subtotal 8810 Improvements	<u>\$ 25,000</u>	
Building Improvements-19-8811:		
Roof and wall display	\$ 366,376	√
Subtotal 8811 Improvements	<u>\$ 366,376</u>	
IT - 45-8810:		
Project Wireless Access Point Upgrade (Prof Fees and Equipment)	\$ 12,000	√
Subtotal Cost Center 45	<u>\$ 12,000</u>	
WLC - 70-8810:		
Correlating noise loggers	\$ 15,000	√
Subtotal Cost Center 45	<u>\$ 15,000</u>	
Total	<u>\$ 418,376</u>	

**Exhibit J
Professional / Special Services Authorized
Core Fund**

Department	Consultant	Service	Budget FY 23-24	Budget FY 24-25	* Approval included in Budget Approval
Outside Consulting Expense					
Planning & Operation (21)	CDR	GIS Work	\$ 20,000	\$ 28,000	√
	(To be determined)	Supplemental Analysis of Water Supplies	\$ 65,000	\$ 50,000	√
	(To be determined)	On Call Work	\$ 35,000	\$ 25,000	√
	(To be determined)	Demand Projections 2025 UWMP by Oct 2025	\$ -	\$ 65,000	New
Met Issues & Special Projects (23)	Hazen, Ed Means Consulting	EOCF#2 Pilot Project	\$ 75,000	\$ 20,000	√
	Ed Means Consulting	Consulting on MET issues	\$ 25,000	\$ -	√
	(To be determined)	Financial & Rate Consulting	\$ -	\$ 25,000	New
	Dopudja & Wells Consulting- Paul Jones	MET and Reliability Planning (IRP & Delta)	\$ 67,000	\$ 80,000	√
	(To be determined)	Financial Model for MWD	\$ 20,000	\$ -	√
Total Outside Consulting Expense			\$ 307,000	\$ 293,000	
Legal Expenses					
Administration (11 & 13)	Best, Best & Krieger	General Legal Counsel Services	\$ 200,000	\$ 219,000	√
	Aleshire & Wynder	Legal Counsel Services Regarding San Diego CWA	\$ 16,000	\$ 16,000	√
	Best, Best & Krieger	Labor Counsel Services	\$ 25,000	\$ 25,000	√
Total Legal Expenses			\$ 241,000	\$ 260,000	
Audit Expenses					
Finance (41)	Davis Farr, LLP	Annual Financial Audit and Federal Single Audit	\$ 36,500	\$ 36,500	√
Training					
Administration (13)	Cal State University Fullerton/Municipal Resources Group/Centre for Organization Effectiveness/HR Strategic Competitive Gains/Predict Success	Staff Development/Technical Training/Leadership Training	\$ 35,000	\$ 40,000	√
Professional Fees					
Administration (12 & 13 & 19)	Economic Group Pension Services (EGPS)	Pension Plan Administration	\$ 4,000	\$ 4,500	√
	(To be determined)	Advisor to assist with review of 401a and 457 Plans and investments	\$ 50,000	\$ 25,000	√
	(To be determined)	Consultant to assist with Strategic Planning Workshop and Facilitation	\$ 50,000	\$ -	√
	(To be determined)	Triennial Benchmark Salary and Benefits Study	\$ 45,000	\$ -	√
	(To be determined)	Various Lunch and learn+training	\$ -	\$ 6,000	New
	IGOE	Cafeteria Plan Administration	\$ 750	\$ 795	√
	DocuSign	DocuSign	\$ -	\$ 7,000	√
	Gladwell Services	Records Management Consulting	\$ 600	\$ 3,000	√
	Health Equity	Health Equity	\$ 125	\$ 205	√
	Governmental Affairs (31)	BBK Legislation	State Legislative Advocate	\$ 96,000	\$ 96,000
Natural Resource Results		Federal Legislative Advocate	\$ 96,000	\$ 96,000	√
Dopudja & Wells		Legislative and Local GA Assistance	\$ 60,000	\$ 25,000	√
Whittingham Public Affairs Adv.		County Advocate	\$ 90,000	\$ 90,000	√
Soto Services		Grant Research and Acquisition Assistance	\$ 39,000	\$ 39,000	√
Ackerman		Legal and Regulatory	\$ 42,000	\$ 42,000	√
Travel		Travel	\$ 5,000	\$ 5,000	√
Public Affairs (32)		Stetson Engineers	Consumer Confidence Report	\$ 55,000	\$ 60,000
	So Cal Water Coalition	Delta Conveyance Program Support	\$ 30,000	\$ -	√
	(To be determined)	Collateral materials update and	\$ 5,000	\$ -	New
	Hashtag Pinpoint	Strategic Digital Consulting Services	\$ 120,000	\$ 95,000	√
	(To be determined)	Water Awareness Campaign	\$ -	\$ 30,000	New
	LA Design	Website Maintenance	\$ -	\$ 5,000	New
	(To be determined)	Drought Campaign	\$ 50,000	\$ -	√
WUE - Core (35)	(Various)	Special Events	\$ 40,000	\$ 50,000	√
	VoxCivic, SCNG, etc.	Advertising	\$ 40,000	\$ 40,000	√
	(To be determined)	General WUE Research	\$ 75,000	\$ 75,000	New
	E Source	Water Loss Control Work Grp (WLC)	\$ 55,000	\$ 55,000	√
	E Source	WLC Business Plan Implementation	\$ 35,000	\$ 35,000	√
Finance (41)	OC Data Acquisition P/S (OCDAP)	Aerial Imagery and Landscape Measurement Project	\$ -	\$ 75,000	√
	U.S. Bank	Custodial Bank fees	\$ 12,000	\$ 10,000	√
	CalPERS	CalPERS GASB 68 Report	\$ 700	\$ 700	√
	Demsey Filliger & Assoc., LLC	OPEB Actuarial	\$ 750	\$ 3,750	√
	Tracker C2	Investment Tracking	\$ -	\$ 3,300	√
IT (45)	(To be determined)	Managed Service Provider	\$ 95,000	\$ 70,000	√
	(To be determined)	IT Projects	\$ -	\$ 19,500	New
	CrowdStrike	Cybersecurity	\$ -	\$ 45,000	√
Total Professional Fees			\$ 1,191,925	\$ 1,111,750	

WEROC

Department	Consultant	Service	Budget FY 23-24	Budget FY 24-25	* Approval included in Budget Approval
Professional Fees					
WEROC (25)	CDR	Mapping Project	\$ 4,000	\$ -	New
Total Professional Fees			4,000	-	

* Approval of the budget constitutes authorization for spending within the policy guidelines set out in Chapter 8, Contracts section of the Administrative code including authorization limitations. A check mark indicates final board approval of the expenditure.

**Exhibit J1
Professional / Special Services Authorized
Choice Funds**

Department	Consultant	Service	Budget FY 23-24	Budget FY 24-25	* Approval included in Budget Approval
Training					
Water Loss Control (70)	(To be determined)	Water loss training	\$ 1,000	\$ 1,000	√
Professional Fees					
Water Loss Control (70)	(To be determined)		\$ -	\$ -	√
	Westerley & McCall's	Meter Accuracy Testing	\$ 35,000	\$ 55,000	√
Water Use Efficiency (62)	Various Printers	Printing of marketing materials for all WUE programs	\$ 60,000	\$ 40,000	√
	Droplet	Web Based Rebate Processing Platform (Turf & Drip)	\$ 30,000	\$ 37,100	√
	Droplet	E-Signature Rebate Processing	\$ 7,100	\$ -	√
	Mission Resource Cnsvr District	Residential Installation Verification Inspections	\$ 50,000	\$ 50,000	√
School Program (63)	Shows that teach/The OC Department of Education	Assemblies (Elementary School)	\$ 293,400	\$ 283,642	√
	The OC Department of Education	Assemblies (High School)	\$ 65,000	\$ 74,127	√
	The OC Department of Education	Assemblies (Middle School)	\$ 66,600	\$ 123,845	√
Total Professional Fees			\$ 608,100	\$ 664,714	

* Approval of the budget constitutes authorization for spending within the policy guidelines set out in Chapter 8, Contracts section of the Administrative code including authorization limitations. A check mark indicates final board approval of the expenditure.

Total Core Expenses

		FY 2023-2024 Budget	FY 2023-2024 Projected Actuals	FY 2024-2025 Proposed Budget
6010	Salaries & Wages - Admin	4,372,578	4,543,359	4,674,242
6090	Directors Compensation - MWDOC	275,041	271,439	275,041
6095	Directors Compensation - MWD	117,875	142,433	157,166
6105	Benefits - Admin	1,291,472	1,364,639	1,359,165
6109	CALPERS Unfunded Liability Contribution	207,000	207,000	207,000
6111	Overhead Reimbursement	(439,274)	(442,965)	(430,173)
6115	Benefits - Directors	104,447	130,360	149,557
6120	Health Insurance Coverage for Retirees	84,847	83,788	81,349
6205	Training	35,000	35,000	40,000
6210	Tuition Reimbursement	5,000	4,000	6,000
6220	Temporary Help	5,000	9,639	5,000
7010	Outside Consulting Services	307,000	147,000	293,000
7020	Legal - General	241,000	236,000	260,000
7030	Audit	36,500	31,500	36,500
7040	Other Professional Fees	1,191,325	1,133,652	1,101,750
7110	Conference - Employee	49,832	38,382	40,002
7115	Conference - Directors	23,065	15,835	16,955
7150	Travel & Accommodations - Employee	102,200	68,426	89,580
7155	Travel & Accommodations - Director	42,400	28,584	39,925
7210	Membership / Sponsorship	167,366	188,900	243,688
7250	CDR Participation	62,433	62,433	67,789
7305	Business Expense	2,000	4,000	5,000
7310	Office Maintenance	175,860	169,871	348,680
7315	Building Repair & Maintenance	25,200	20,000	30,200
7320	Rents & Leases	1,800	894	1,200
7330	Office Supplies	27,000	22,000	30,000
7340	Postal / Mail Delivery	11,275	7,100	9,600
7350	Subscriptions / Books	1,000	900	10,000
7360	Reproduction Expense	93,000	94,800	109,000
7410	Computer & Peripherals Maint	5,000	5,000	17,500
7430	Software Purchase	104,298	104,298	81,540
7440	Software Support	50,185	50,185	4,648
7510	Site Maintenance	-	-	-
7450	Computers and Equipment	43,000	43,000	29,250
7580	Maintenance Expense	6,000	-	-
7610	Automotive / Mileage	9,000	9,500	11,500
7615	Toll Road Charges	575	335	600
7620	Insurance Expense	182,976	132,875	198,000
7640	Utilities - Telephone	43,918	32,980	43,006
7650	Bank Fees	2,600	2,600	2,400
7670	Miscellaneous Expenses	145,200	124,300	148,300
8810	Capital Acquisition	25,892	25,892	37,000
	Total Expenditure	9,237,886	9,149,935	9,830,961
	MWDOC's Contribution to WEROC Oper	293,307	296,290	300,808
	MWDOC's Contribution to Election Rsrv	563,020	664,360	725,642
	MWDOC's Building Expense (8811)	389,000	222,686	366,376
	Building Prior Year Carryover Dr/(Cr)	(166,314)	(123,307)	(366,376)
		10,316,899	10,209,964	10,857,410

Total Choice Revenue and Expense

		FY 2023-2024 Budget	FY 2023-2024 Projected Actuals	FY 2024-2025 Proposed Budget
4215	Choice Revenue	2,026,982	1,190,854	2,044,635
4205	School Contracts	-	-	-
4705	Prior Year Carry Over	-	-	-
	Choice billing over/under	-	692,435	-
		-	-	-
		-	-	-
		-	-	-
		-	-	-
		-	-	-
	Total Revenue	2,026,982	1,883,289	2,044,635

		FY 2023-2024 Budget	FY 2023-2024 Projected Actuals	FY 2024-2025 Proposed Budget
6010	Salaries & Wages - Admin	762,777	778,617	748,464
	S & B Reimb. DSC or Recov from Grants	(30,000)	(40,000)	(65,000)
6090	Directors Compensation - MWD0C	-	-	-
6095	Directors Compensation - MWD	-	-	-
6105	Benefits - Admin	215,911	208,294	218,894
6111	Overhead Reimbursement	439,274	442,965	430,173
6115	Benefits - Directors	-	-	-
6120	Health Insurance Coverage for Retirees	-	-	-
6205	Training	1,000	60	1,200
6210	Tuition Reimbursement	-	-	-
6220	Temporary Help	-	-	-
7010	Outside Consulting Services	-	-	-
7020	Legal - General	-	-	-
7030	Audit	-	-	-
7040	Other Professional Fees	182,100	189,004	182,100
	Other Professional Fees - School Programs	425,000	277,463	481,614
7110	Conference - Employee	-	-	-
7115	Conference - Directors	-	-	-
7150	Travel & Accommodations - Employee	-	-	-
7155	Travel & Accommodations - Director	-	-	-
7210	Membership / Sponsorship	-	-	-
7250	CDR Participation	-	-	-
7310	Office Maintenance	-	-	-
7320	Rents & Leases	-	-	-
7330	Office Supplies	-	-	-
7332	Supplies - Water Loss Control	4,000	4,000	4,800
7340	Postal / Mail Delivery	400	400	500
7350	Subscriptions/Books	-	-	-
7360	Reproduction Expense	-	-	-
7410	Computer & Peripherals Maint	-	-	-
7430	Software Purchase	2,200	2,425	3,000
7440	Software Support	-	-	-
7450	Computers and Equipment	-	-	-
7580	Maintenance Expense	-	-	-
7610	Automotive / Mileage	400	300	400
7612	Vehicle Expense	12,000	10,000	12,000
7615	Toll Road Charges	400	200	200
7620	Insurance Expense	-	-	-
7640	Utilities - Telephone	2,520	1,560	2,520
7650	Bank Fees	-	-	-
7670	Miscellaneous Expenses	9,000	8,000	8,770
8410	Overhead Reimbursement	-	-	-
8610	Depreciation Expense	-	-	-
8710	Election Expenses	-	-	-
8810	Capital Acquisition	-	-	15,000
	Total Expenditure	2,026,982	1,883,289	2,044,635

Total Core and Choice Expenses

		FY 2023-2024 Budget	FY 2023-2024 Projected Actuals	FY 2024-2025 Proposed Budget
6010	Salaries & Wages - Admin	5,135,355	5,321,976	5,422,706
	S & B Reimb. DSC or Recov from Grants	(30,000)	(40,000)	(65,000)
6090	Directors Compensation - MWDOC	275,041	271,439	275,041
6095	Directors Compensation - MWD	117,875	142,433	157,166
6105	Benefits - Admin	1,507,382	1,572,933	1,578,059
6109	CALPERS Unfunded Liability Contribution	207,000	207,000	207,000
6111	Overhead Reimbursement	-	-	-
6115	Benefits - Directors	104,447	130,360	149,557
6120	Health Insurance Coverage for Retirees	84,847	83,788	81,349
6205	Training	36,000	35,060	41,200
6210	Tuition Reimbursement	5,000	4,000	6,000
6220	Temporary Help	5,000	9,639	5,000
7010	Outside Consulting Services	307,000	147,000	293,000
7020	Legal - General	241,000	236,000	260,000
7030	Audit	36,500	31,500	36,500
7040	Other Professional Fees	1,373,425	1,322,656	1,283,850
	Other Professional Fees - School Programs	425,000	277,463	481,614
7110	Conference - Employee	49,832	38,382	40,002
7115	Conference - Directors	23,065	15,835	16,955
7150	Travel & Accommodations - Employee	102,200	68,426	89,580
7155	Travel & Accommodations - Director	42,400	28,584	39,925
7210	Membership / Sponsorship	167,366	188,900	243,688
7250	CDR Participation	62,433	62,433	67,789
7305	Business Expense	2,000	4,000	5,000
7310	Office Maintenance	175,860	169,871	348,680
7315	Building Repair & Maintenance	25,200	20,000	30,200
7320	Rents & Leases	1,800	894	1,200
7330	Office Supplies	27,000	22,000	30,000
7332	Supplies - Water Loss Control	4,000	4,000	4,800
7340	Postal / Mail Delivery	11,675	7,500	10,100
7350	Subscriptions / Books	1,000	900	10,000
7360	Reproduction Expense	93,000	94,800	109,000
7410	Computer & Peripherals Maint	5,000	5,000	17,500
7430	Software Purchase	106,498	106,723	84,540
7440	Software Support	50,185	50,185	4,648
7450	Computers and Equipment	43,000	43,000	29,250
7580	Maintenance Expense	6,000	-	-
7610	Automotive / Mileage	9,400	9,800	11,900
7612	Vehicle Expense	12,000	10,000	12,000
7615	Toll Road Charges	975	535	800
7620	Insurance Expense	182,976	132,875	198,000
7640	Utilities - Telephone	46,438	34,540	45,526
7650	Bank Fees	2,600	2,600	2,400
7670	Miscellaneous Expenses	154,200	132,300	157,070
8810	Capital Acquisition	25,892	25,892	52,000
	Total Expenditure	11,264,868	11,033,223	11,875,595
	MWDOC's Contribution to WEROC Oper	293,307	296,290	300,808
	MWDOC's Contribution to Election Rsrv	563,020	664,360	725,642
	MWDOC's Building Expense (8811)	389,000	222,686	366,376
		<u>12,343,881</u>	<u>12,093,252</u>	<u>12,902,045</u>

Administrative - Board

11

		FY 2023-2024 Budget	FY 2023-2024 Projected Actuals	FY 2024-2025 Proposed Budget
6010	Salaries & Wages - Admin	325,575	321,465	373,108
6090	Directors Compensation - MWDOC	275,041	271,439	275,041
6095	Directors Compensation - MWD	117,875	142,433	157,166
6105	Benefits - Admin	85,603	87,804	93,283
6115	Benefits - Directors	104,447	130,360	149,557
6120	Health Insurance Coverage for Retirees			
6205	Training			
6210	Tuition Reimbursement			
6220	Temporary Help			
7010	Outside Consulting Services			
7020	Legal - General	216,000	221,000	235,000
7030	Audit			
7040	Other Professional Fees	50,000	81,250	-
7110	Conference - Employee			
7115	Conference - Directors	23,065	15,835	16,955
7150	Travel & Accommodations - Employee			
7155	Travel & Accommodations - Director	42,400	28,584	39,925
7210	Membership / Sponsorship	39,795	43,016	45,000
7250	CDR Participation			
7310	Office Maintenance			
7320	Rents & Leases			
7330	Office Supplies			
7340	Postal / Mail Delivery	7,675	4,600	6,000
7350	Subscriptions / Books			
7360	Reproduction Expense			
7410	Computers & Peripherals Maint			
7430	Software Purchase			
7440	Software Support			
7450	Computers and Equipment			
7580	Maintenance Expense			
7610	Automotive / Mileage	4,500	6,500	7,000
7615	Toll Road Charges	275	300	300
7620	Insurance Expense			
7640	Utilities - Telephone			
7650	Bank Fees			
7670	Miscellaneous Expenses	6,000	2,400	6,000
8410	Overhead Reimbursement			
8610	Depreciation Expense			
8710	Election Expenses	-	-	-
8810	Capital Acquisition			
	Total Expenditure	1,298,250	1,356,986	1,404,336

1 • Best, Best & Krieger \$ 219,000
 • Aleshire & Wynder \$ 16,000
 \$ 235,000

2 • See Exhibit F

2 • See Exhibit F

3 • See Exhibit D

4 • \$1,709,967 is the est election expense. This amount is will not be budgeted as the election expense will be drawn from our Election Reserve

MWDOC's Contribution to Election Reserve	563,020	664,360	725,642
	<u>1,861,270</u>	<u>2,021,346</u>	<u>2,129,978</u>

Administrative - General

12

		FY 2023-2024 Budget	FY 2023-2024 Projected Actuals	FY 2024-2025 Proposed Budget	
6010	Salaries & Wages - Admin	459,888	513,305	519,308	
6090	Directors Compensation - MWDOC				
6095	Directors Compensation - MWD				
6105	Benefits - Admin	168,917	190,846	200,775	
6115	Benefits - Directors				
6120	Health Insurance Coverage for Retirees				
6205	Training				
6210	Tuition Reimbursement				
6220	Temporary Help	5,000	9,639	5,000	
7010	Outside Consulting Services				
7020	Legal - General				
7030	Audit				
7040	Other Professional Fees	50,000	25,275	25,000	1
7110	Conference - Employee	49,832	38,382	40,002	2
7115	Conference - Directors				
7150	Travel & Accommodations - Employee	102,200	68,426	89,580	2
7155	Travel & Accommodations - Director				
7210	Membership / Sponsorship	127,571	130,661	181,162	3
7250	CDR Participation	62,433	62,433	67,789	
7305	Business Expense	2,000	4,000	5,000	
7310	Office Maintenance				
7320	Rents & Leases				
7330	Office Supplies				
7340	Postal / Mail Delivery				
7350	Subscriptions / Books	1,000	900	10,000	
7360	Reproduction Expense				
7410	Computer & Peripherals Maint				
7430	Software Purchase				
7440	Software Support				
7450	Computers and Equipment				
7580	Maintenance Expense				
7610	Automotive / Mileage	4,500	3,000	4,500	
7615	Toll Road Charges	300	35	300	
7620	Insurance Expense				
7640	Utilities - Telephone				
7650	Bank Fees				
7670	Miscellaneous Expenses	2,000	4,800	6,500	
8810	Capital Acquisition				
	Total Expenditure	1,035,641	1,051,702	1,154,916	

- 1 • See Exhibit J.
- 2 • See Exhibit E.
- 3 • See Exhibit D.

Personnel / Staff Development
13

		FY 2023-2024 Budget	FY 2023-2024 Projected Actuals	FY 2024-2025 Proposed Budget
6010	Salaries & Wages - Admin	289,068	330,910	347,729
6090	Directors Compensation - MWDOC			
6095	Directors Compensation - MWD			
6105	Benefits - Admin	81,629	90,068	90,744
6115	Benefits - Directors			
6120	Health Insurance Coverage for Retirees			
6205	Training	35,000	35,000	40,000
6210	Tuition Reimbursement	5,000	4,000	6,000
6220	Temporary Help			
7010	Outside Consulting Services			
7020	Legal - General	25,000	15,000	25,000
7030	Audit			
7040	Other Professional Fees	45,000	42,800	6,000
7110	Conference - Employee			
7115	Conference - Directors			
7150	Travel & Accommodations - Employee			
7155	Travel & Accommodations - Director			
7210	Membership / Sponsorship			
7250	CDR Participation			
7310	Office Maintenance			
7320	Rents & Leases			
7330	Office Supplies			
7340	Postal / Mail Delivery			
7350	Subscriptions / Books			
7360	Reproduction Expense			
7410	Computer & Peripherals Maint			
7430	Software Purchase			
7440	Software Support			
7450	Computers and Equipment			
7580	Maintenance Expense			
7610	Automotive / Mileage			
7615	Toll Road Charges			
7620	Insurance Expense			
7640	Utilities - Telephone			
7650	Bank Fees			
7670	Miscellaneous Expenses	18,000	20,000	32,800
8810	Capital Acquisition			
	Total Expenditure	498,697	537,779	548,272

1 • Staff Development/Technical Training & Leadership Training

2 • See Exhibit J.

**Overhead
19**

		FY 2023-2024 Budget	FY 2023-2024 Projected Actuals	FY 2024-2025 Proposed Budget
6010	Salaries & Wages - Admin	682,474	663,673	644,599
6090	Directors Compensation - MWDOC			
6095	Directors Compensation - MWD			
6105	Benefits - Admin	195,747	186,811	177,075
6109	CALPERS Unfunded Liability Contribution	207,000	207,000	207,000
6111	Overhead Reimbursement from Choice	(439,274)	(442,965)	(430,173)
6115	Benefits - Directors			
6120	Health Insurance Coverage for Retirees	84,847	83,788	81,349
6205	Training			
6210	Tuition Reimbursement			
6220	Temporary Help			
7010	Outside Consulting Services			
7020	Legal - General			
7030	Audit			
7040	Other Professional Fees	4,875	4,858	5,500
7110	Conference - Employee			
7115	Conference - Directors			
7150	Travel & Accommodations - Employee			
7155	Travel & Accommodations - Director			
7210	Membership / Sponsorship			
7220	CUWA Participation			
7240	AWWARF Participation			
7250	CDR Participation			
7310	Office Maintenance	175,860	169,871	348,680
7315	Building Repair & Maintenance	25,200	20,000	30,200
7320	Rents & Leases	1,800	894	1,200
7330	Office Supplies	27,000	22,000	30,000
7340	Postal / Mail Delivery	3,600	2,500	3,600
7350	Subscriptions / Books			
7360	Reproduction Expense	6,000	7,800	9,000
7410	Computer & Peripherals Maint			
7430	Software Purchase			
7440	Software Support			
7450	Software Development			
7510	Site Maintenance			
7450	Computers and Equipment			
7580	Maintenance Expense	6,000		
7610	Automotive / Mileage			
7615	Toll Road Charges			
7620	Insurance Expense	182,601	132,875	198,000
7640	Utilities - Telephone	42,612	32,068	42,000
7650	Bank Fees	2,600	2,600	2,400
7670	Miscellaneous Expenses	4,000	4,000	5,000
8410	Overhead Reimbursement			
8610	Depreciation Expense			
8810	Capital Acquisition	25,892	25,892	25,000
	Total Expenditure	1,238,833	1,123,664	1,380,430

1 • For 13 Retirees

2 • See Exhibit J.

3 • Binding Machine \$ 800
• Atrium Maintenance \$ 14,400
• Building Cleaning \$ 6,800
• Interior Plant Maintenance \$ 4,000
• OCWD Shared costs/receptionist/maint/(\$ 154,680
• OCWD A/V Joint boardroom upgrade \$ 168,000
\$ 348,680

4 • Roof 350,000
• Wall Display 16,376
\$ 366,376

MWDOC's Building Exp. (8811)	389,000	222,686	366,376
Building Exp. Prior Year Carryover Dr/(Cr)	(166,314)	(123,307)	(366,376)
	<u>1,461,519</u>	<u>1,223,043</u>	<u>1,380,430</u>

Reliability Planning and Engineering

21

		FY 2023-2024 Budget	FY 2023-2024 Projected Actuals	FY 2024-2025 Proposed Budget
6010	Salaries & Wages - Admin	494,609	547,016	538,294
6090	Directors Compensation - MWDOC			
6095	Directors Compensation - MWD			
6105	Benefits - Admin	125,476	171,770	140,726
6115	Benefits - Directors			
6120	Health Insurance Coverage for Retirees			
6205	Training			
6210	Tuition Reimbursement			
6220	Temporary Help			
7010	Outside Consulting Services	195,000	35,000	188,000
7020	Legal - General			
7030	Audit			
7040	Other Professional Fees		881	
7110	Conference - Employee			
7115	Conference - Directors			
7150	Travel & Accommodations - Employee			
7155	Travel & Accommodations - Director			
7210	Membership / Sponsorship			
7250	CDR Participation			
7310	Office Maintenance			
7320	Rents & Leases			
7330	Office Supplies			
7340	Postal / Mail Delivery			
7350	Subscriptions / Books			
7360	Reproduction Expense			
7410	Computer & Peripherals Maint			
7430	Software Purchase			
7440	Software Support			
7450	Computers and Equipment			
7580	Maintenance Expense			
7610	Automotive / Mileage			
7615	Toll Road Charges			
7620	Insurance Expense	375		
7640	Utilities - Telephone	-	-	0
7650	Bank Fees			
7670	Miscellaneous Expenses	1,600	-	6,000
8810	Capital Acquisition			
	Total Expenditure	817,059	754,668	873,020

1 • See Exhibit J.

Metropolitan Issues and Water Policy
23

		FY 2023-2024 Budget	FY 2023-2024 Projected Actuals	FY 2024-2025 Proposed Budget
6010	Salaries & Wages - Admin	504,932	347,443	434,306
6090	Directors Compensation - MWDOC			
6095	Directors Compensation - MWD			
6105	Benefits - Admin	134,681	102,774	113,804
6115	Benefits - Directors			
6120	Health Insurance Coverage for Retirees			
6205	Training			
6210	Tuition Reimbursement			
6220	Temporary Help			
7010	Outside Consulting Services	112,000	112,000	105,000
7020	Legal - General			
7030	Audit			
7040	Other Professional Fees			
7045	Other Professional Fees - MET			
7110	Conference - Employee			
7115	Conference - Directors			
7150	Travel & Accommodations - Employee			
7155	Travel & Accommodations - Director			
7210	Membership / Sponsorship			
7250	CDR Participation			
7310	Office Maintenance			
7320	Rents & Leases			
7330	Office Supplies			
7340	Postal / Mail Delivery			
7350	Subscriptions / Books			
7360	Reproduction Expense			
7410	Computer & Peripherals Maint			
7430	Software Purchase			
7440	Software Support			
7450	Computers and Equipment			
7580	Maintenance Expense			
7610	Automotive / Mileage			
7615	Toll Road Charges			
7620	Insurance Expense			
7640	Utilities - Telephone	456	456	456
7650	Bank Fees			
7670	Miscellaneous Expenses	1,000	1,000	1,000
8810	Capital Acquisition			
	Total Expenditure	753,069	563,673	654,565

1 • See Exhibit J.

Government Affairs
31

		FY 2023-2024 Budget	FY 2023-2024 Projected Actuals	FY 2024-2025 Proposed Budget
6010	Salaries & Wages - Admin	158,928	163,712	181,762
6090	Directors Compensation - MWDOC			
6095	Directors Compensation - MWD			
6105	Benefits - Admin	48,183	50,533	50,003
6115	Benefits - Directors			
6120	Health Insurance Coverage for Retirees			
6205	Training			
6210	Tuition Reimbursement			
6220	Temporary Help			
7010	Outside Consulting Services			
7020	Legal - General			
7030	Audit			
7040	Other Professional Fees	428,000	416,328	393,000
7115	Conference - Directors			
7150	Travel & Accommodations - Employee			
7155	Travel & Accommodations - Director			
7210	Membership / Sponsorship			
7250	CDR Participation			
7310	Office Maintenance			
7320	Rents & Leases			
7330	Office Supplies			
7340	Postal / Mail Delivery			
7350	Subscriptions / Books			
7360	Reproduction Expense			
7410	Computer & Peripherals Maint			
7430	Software Purchase			
7440	Software Support			
7450	Computers and Equipment			
7580	Maintenance Expense			
7610	Automotive / Mileage			
7615	Toll Road Charges			
7620	Insurance Expense			
7640	Utilities - Telephone			
7650	Bank Fees			
7670	Miscellaneous Expenses	22,500	2,000	1,500
8410	Overhead Reimbursement			
8610	Depreciation Expense			
8710	Election Expenses			
8810	Capital Acquisition			
	Total Expenditure	657,611	632,573	626,265

1 Ackerman, Richard C	\$ 42,000
SDA	\$ 96,000
Dopudja & Wells Consulting Inc	\$ 25,000
NRR	\$ 96,000
Soto, Joey C	\$ 39,000
Whittingham Public Affairs Advisors	\$ 90,000
Travel	\$ 5,000
	<u>\$ 393,000</u>

Public Affairs

32

		FY 2023-2024 Budget	FY 2023-2024 Projected Actuals	FY 2024-2025 Proposed Budget
6010	Salaries & Wages - Admin	631,067	718,143	725,661
6090	Directors Compensation - MWDOC			
6095	Directors Compensation - MWD			
6105	Benefits - Admin	188,645	200,561	214,719
6115	Benefits - Directors			
6120	Health Insurance Coverage for Retirees			
6205	Training			
6210	Tuition Reimbursement			
6220	Temporary Help			
7010	Outside Consulting Services			
7020	Legal - General			
7030	Audit			
7040	Other Professional Fees	340,000	305,000	280,000
7047	Prof Service-Grant Recovery			
7110	Conference - Employee			
7115	Conference - Directors			
7150	Travel & Accommodations - Employee			
7155	Travel & Accommodations - Director			
7210	Membership / Sponsorship			
7220	CUWA Participation			
7240	AWWARF Participation			
7250	CDR Participation			
7310	Office Maintenance			
7320	Rents & Leases			
7330	Office Supplies			
7340	Postal / Mail Delivery			
7350	Subscriptions / Books			
7360	Reproduction Expense	87,000	87,000	100,000
7410	Computer & Peripherals Maint			
7430	Software Purchase			
7440	Software Support			
7450	Software Development			
7510	Site Maintenance			
7450	Computers and Equipment			
7580	Maintenance Expense			
7610	Automotive / Mileage			
7615	Toll Road Charges			
7620	Insurance Expense			
7640	Utilities - Telephone	475	456	550
7650	Bank Fees			
7670	Miscellaneous Expenses	82,100	82,100	80,500
8810	Capital Acquisition			
	Total Expenditure	1,329,287	1,393,260	1,401,430

1 • See Exhibit J.

**Water Use Efficiency
(Core)
35**

		FY 2023-2024 Budget	FY 2023-2024 Projected Actuals	FY 2024-2025 Proposed Budget
6010	Salaries & Wages - Admin	215,610	261,155	248,008
6090	Directors Compensation - MWDOC			
6095	Directors Compensation - MWD			
6105	Benefits - Admin	71,208	81,314	71,231
6115	Benefits - Directors			
6120	Health Insurance Coverage for Retirees			
6205	Training			
6210	Tuition Reimbursement			
6220	Temporary Help			
7010	Outside Consulting Services			
7020	Legal - General			
7030	Audit			
7040	Other Professional Fees	165,000	165,000	240,000
7110	Conference - Employee			
7115	Conference - Directors			
7150	Travel & Accommodations - Employee			
7155	Travel & Accommodations - Director			
7210	Membership / Sponsorship		15,223	17,526
7310	Office Maintenance			
7320	Rents & Leases			
7330	Office Supplies			
7340	Postal / Mail Delivery			
7350	Subscriptions / Books			
7360	Reproduction Expense			
7410	Computer & Peripherals Maint			
7430	Software Purchase			
7440	Software Support			
7450	Computers and Equipment			
7580	Maintenance Expense			
7610	Automotive / Mileage			
7615	Toll Road Charges			
7620	Insurance Expense			
7640	Utilities - Telephone			
7650	Bank Fees			
7670	Miscellaneous Expenses	6,000	6,000	6,000
8810	Capital Acquisition			
	Total Expenditure	457,818	528,693	582,765

1 General Research	\$	75,000
Water Loss Control		
Work Group Support	\$	55,000
Business Plan Implementation		
Support	\$	35,000
Aerial Imagery & LiDAR		
OC Data Acquisition Partnership	\$	75,000
	\$	240,000

General Finance
41

		FY 2023-2024 Budget	FY 2023-2024 Projected Actuals	FY 2024-2025 Proposed Budget	
6010	Salaries & Wages - Admin	462,570	542,578	528,507	
6090	Directors Compensation - MWDOC				
6095	Directors Compensation - MWD				
6105	Benefits - Admin	145,503	157,841	162,111	
6115	Benefits - Directors				
6120	Health Insurance Coverage for Retirees				
6205	Training				
6210	Tuition Reimbursement				
6220	Temporary Help				
7010	Outside Consulting Services				
7020	Legal - General				
7030	Audit	36,500	31,500	36,500	1
7040	Other Professional Fees	13,450	7,450	17,750	2
7110	Conference - Employee				
7115	Conference - Directors				
7150	Travel & Accommodations - Employee				
7155	Travel & Accommodations - Director				
7210	Membership / Sponsorship				
7250	CDR Participation				
7310	Office Maintenance				
7320	Rents & Leases				
7330	Office Supplies				
7340	Postal / Mail Delivery				
7350	Subscriptions / Books				
7360	Reproduction Expense				
7410	Computer & Peripherals Maint				
7430	Software Purchase				
7440	Software Support				
7450	Computers and Equipment				
7580	Maintenance Expense				
7610	Automotive / Mileage				
7615	Toll Road Charges				
7620	Insurance Expense				
7640	Utilities - Telephone				
7650	Bank Fees				
7670	Miscellaneous Expenses	1,000	1,000	1,000	
8810	Capital Acquisition				
	Total Expenditure	659,023	740,368	745,868	

1 • Annual Audit	\$ 27,000
• Single Audit	\$ 4,500
• WUE Grant Review	<u>\$ 5,000</u>
	<u>\$ 36,500</u>
2 • Custodial Bank fees	\$ 10,000
• OPEB Actuarial	\$ 3,750
• CalPERS GASB 68 Report	\$ 700
• Investment Tracking(trackerC2)	<u>\$ 3,300</u>
	<u>\$ 17,750</u>

Information Technology
45

		FY 2023-2024 Budget	FY 2023-2024 Projected Actuals	FY 2024-2025 Proposed Budget	
6010	Salaries & Wages - Admin	147,859	133,959	132,962	
6090	Directors Compensation - MWDOC				1 • See Exh J
6095	Directors Compensation - MWD				
6105	Benefits - Admin	45,879	44,318	44,693	2 • Computer, iPad, Server and other hardware maintenance
6115	Benefits - Directors				
6120	Health Insurance Coverage for Retirees				3 • Various software upgrades and license
6205	Training				
6210	Tuition Reimbursement				4 • District's ERP
6220	Temporary Help				• Laserfiche
7010	Outside Consulting Services				\$ 2,898
7020	Legal - General				\$ 1,750
7030	Audit				\$ 4,648
7040	Other Professional Fees	95,000	84,810	134,500	1
7110	Conference - Employee				
7115	Conference - Directors				
7150	Travel & Accommodations - Employee				
7155	Travel & Accommodations - Director				
7210	Membership / Sponsorship				
7220	CUWA Participation				
7240	AWWARF Participation				
7250	CDR Participation				
7310	Office Maintenance				
7320	Rents & Leases				
7330	Office Supplies				
7340	Postal / Mail Delivery				5 • Various long term Hardware replacement/repair
7350	Subscriptions / Books				
7360	Reproduction Expense				
7410	Computers & Peripherals Maint	5,000	5,000	17,500	2
7430	Software Purchase	104,298	104,298	81,540	3
7440	Software Support	50,185	50,185	4,648	4
7510	Site Maintenance				
7450	Computers and Equipment	43,000	43,000	29,250	5
7580	Maintenance Expense				
7610	Automotive / Mileage				
7615	Toll Road Charges				
7620	Insurance Expense				
7640	Utilities - Telephone				
7650	Bank Fees				
7670	Miscellaneous Expenses	1,000	1,000	2,000	
8810	Capital Acquisition	-	-	12,000	
	Total Expenditure	492,222	466,570	459,093	

School Program

(choice)

63

		FY 2023-2024 Budget	FY 2023-2024 Projected Actuals	FY 2024-2025 Proposed Budget
4215	Choice Revenue	435,950	96,173	496,062
4205	School Contracts			
4705	Prior Year Carry over			
	Choice billing over/under	-	191,316	-
	Total Revenue	435,950	287,489	496,062

		FY 2023-2024 Budget	FY 2023-2024 Projected Actuals	FY 2024-2025 Proposed Budget
6010	Salaries & Wages - Admin	5,838	5,491	7,314
6105	Benefits - Admin	1,720	1,429	2,687
6111	Overhead Reimbursement	3,392	3,106	4,447
6115	Benefits - Directors			
6120	Health Insurance Coverage for Retirees			
6205	Training			
6210	Tuition Reimbursement			
6220	Temporary Help			
7010	Outside Consulting Services			
7020	Legal - General			
7030	Audit			
7040	Other Professional Fees			
7040	Other Professional Fees - School Programs	425,000	277,463	481,614
7110	Conference - Employee			
7115	Conference - Directors			
7150	Travel & Accommodations - Employee			
7155	Travel & Accommodations - Director			
7210	Membership / Sponsorship			
7250	CDR Participation			
7310	Office Maintenance			
7320	Rents & Leases			
7330	Office Supplies			
7340	Postal / Mail Delivery			
7350	Subscriptions / Books			
7360	Reproduction Expense			
7410	Computer & Peripherals Maint			
7430	Software Purchase			
7440	Software Support			
7450	Computers and Equipment			
7580	Maintenance Expense			
7610	Automotive / Mileage			
7615	Toll Road Charges			
7620	Insurance Expense			
7640	Utilities - Telephone			
7650	Bank Fees			
7670	Miscellaneous Expenses			
8810	Capital Acquisition			
	Total Expenditure	435,950	287,489	496,062

• Elementary Schools	\$ 283,642
• Middle Schools	\$ 123,845
• High Schools	\$ 74,127
	<u>\$ 481,614</u>

**Water Loss Control
(choice)
70**

		FY 2023-2024 Budget	FY 2023-2024 Projected Actuals	FY 2024-2025 Proposed Budget
4215	Choice Revenue	551,109	291,317	559,118
4705	Prior Year Carry over			
	Choice billing over/under	-	155,764	-
	Total Revenue	551,109	447,081	559,118

		FY 2023-2024 Budget	FY 2023-2024 Projected Actuals	FY 2024-2025 Proposed Budget
6010	Salaries & Wages - Admin	256,608	199,447	234,172
6012	Salaries & Wages - Reimb. from Grants			
6090	Directors Compensation - MWDOC			
6095	Directors Compensation - MWD			
6105	Benefits - Admin	82,691	66,029	85,778
6111	Overhead Reimbursement	152,291	119,156	142,278
6115	Benefits - Directors			
6120	Health Insurance Coverage for Retirees			
6205	Training	1,000	60	1,200
6210	Tuition Reimbursement			
6220	Temporary Help			
7010	Outside Consulting Services			
7020	Legal - General			
7030	Audit			
7040	Other Professional Fees	35,000	41,904	55,000
7110	Conference - Employee			
7115	Conference - Directors			
7150	Travel & Accomodations - Employee			
7155	Travel & Accomodations - Director			
7210	Membership / Sponsorship			
7220	CUWA Participation			
7240	AAWARF Participation			
7250	CDR Participation			
7310	Office Maintenance			
7320	Rents & Leases			
7330	Office Supplies			
7332	Supplies - Water Loss Control	4,000	4,000	4,800
7340	Postal / Mail Delivery			
7350	Subscriptions / Books			
7360	Reproduction Expense			
7410	Computer & Peripherals Maint			
7430	Software Purchase	2,200	2,425	3,000
7440	Software Support			
7450	Computers and Equipment			
7510	Site Maintenance			
7580	Maintenance Expense			
7610	Automotive / Mileage	400	300	400
7612	Vehicle Expense	12,000	10,000	12,000
7615	Toll Road Charges	400	200	200
7620	Insurance Expense			
7640	Utilities - Telephone	2,520	1,560	2,520
7650	Bank Fees			
7670	Miscellaneous Expenses	2,000	2,000	2,770
8410	Overhead Reimbursement			
8610	Depreciation Expense			
8710	Election Expenses			
8810	Capital Acquisition		-	15,000
	Total Expenditure	551,109	447,081	559,118

WEROC
25

		FY 2023-2024 Budget	FY 2023-2024 Projected Actuals	FY 2024-2025 Proposed Budget
4320	MWDOC Contribution to Operations	293,307	296,290	300,808
4210	WEROC Contracts	293,307	269,651	300,808
4205				
4230	Reimbursements			
4240				
4410				
4805				
	TOTAL WEROC Revenue	586,614	565,941	601,615

1 • OCSD	\$	58,958
• SOCWA	\$	22,861
• OCWD	\$	150,404
• 3 Cities -- \$22,861/ea	\$	68,584
	\$	<u>300,808</u>

		FY 2023-2024 Budget	FY 2023-2024 Projected Actuals	FY 2024-2025 Proposed Budget
6010	Salaries & Wages - Admin	400,778	326,342	412,741
6012	Salaries & Benefits - Reimbursed			
6090	Directors Compensation - MWDOC			
6095	Directors Compensation - MWD			
6105	Benefits - Admin	121,886	118,840	135,674
6115	Benefits - Directors			
6120	Health Insurance Coverage for Retirees			
6205	Training	8,200	6,000	6,000
7040	Other Professional Fees	4,000	4,000	
7110	Conference - Employee	5,800	2,300	2,000
7115	Conference - Directors			
7150	Travel & Accomodations - Employee	4,500	4,600	6,200
7155	Travel & Accomodations - Director			
7210	Membership / Sponsorship	950	934	950
7330	Office & Radio Supplies	1,000	1,000	1,000
7340	Postal / Mail Delivery			
7350	Subscriptions / Books			
7360	Reproduction Expense	100		
7410	Computer & Peripherals Maint	4,000	7,352	4,000
7430	Software Purchase		700	-
7440	Software Support	12,000	11,554	12,000
7510	Site Maintenance	700	500	350
7580	Maintenance - Generators	1,000	900	1,000
7581	Maintenance - Radios	3,000	2,551	3,000
7582	Maintenance - EOC's	2,200	2,080	2,200
7610	Automotive / Mileage	1,500	600	1,500
7640	Utilities - Telephone	10,000	6,900	8,000
7650	Bank Fees			
7670	Miscellaneous Expenses	3,000	3,000	3,000
7671	Miscellaneous Training	2,000	1,800	2,000
	Operations Expenditure	586,614	501,954	601,615
	Contribution to Operating Reserves			
	Total Operations Budget	586,614	501,954	601,615
	Capital Expenditures			
	TOTAL Expenditures	586,614	501,954	601,615

- 2 • Cert Meetings Exercises
- 3 • See Exhibit J
- 4 • See Exhibit E
- 5 • See Exhibit D

AMP Proceeds Agreement Administration

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		FY 2023-2024 Budget	FY 2023-2024 Projected Actuals	FY 2024-2025 Proposed Budget
4020	Interest Revenue			
4050	O & M Maintenance Deposit			
4230	Reimbursement	1,815	1,992	1,906
4680	Miscellaneous Income			
	Prior Year Carryover			
	Total Revenue	4,567	1,992	1,906

		FY 2023-2024 Budget	FY 2023-2024 Projected Actuals	FY 2024-2025 Proposed Budget
6010	Salaries & Wages - Admin	1,492	1,568	1,491
6090	Directors Compensation - MWDOC			
6095	Directors Compensation - MWD			
6105	Benefits - Admin	323	424	415
6115	Benefits - Directors			
6120	Health Insurance Coverage for Retirees			
6205	Training			
6210	Tuition Reimbursement			
6220	Temporary Help			
7010	Outside Consulting Services			
7020	Legal - General	-	-	-
7030	Audit			
7040	Other Professional Fees			
7110	Conference - Employee			
7115	Conference - Directors			
7150	Travel & Accommodations - Employee			
7155	Travel & Accommodations - Director			
7210	Membership / Sponsorship			
7220	CUWA Participation			
7240	AAWARF Participation			
7250	CDR Participation			
7310	Office Maintenance			
7320	Rents & Leases			
7330	Office Supplies			
7340	Postal / Mail Delivery			
7350	Subscriptions / Books			
7360	Reproduction Expense			
7410	Computer & Peripherals Maint			
7430	Software Purchase			
7440	Software Support			
7450	Computers and Equipment			
7580	Maintenance Expense			
7610	Automotive / Mileage			
7615	Toll Road Charges			
7620	Insurance Expense			
7640	Utilities - Telephone			
7650	Bank Fees			
7670	Miscellaneous Expenses			
8810	Capital Acquisition			
	Total Expenditure	1,815	1,992	1,906

**Municipal Water District of Orange County
FY24/25 Consolidated Budget Summary**

	Core & Choice	Water Fund	WUE Grants and Outside Funding	WEROC	AMP Proceeds Agreement Administration	Total with Inter-Fund Transfers	Less Inter-Fund Transfers ⁽¹⁾	Consolidated Budget Total
Revenues:								
Water Sales		\$ 212,883,116				\$ 212,883,116		\$ 212,883,116
Local Resource Program Incentives		(4,661,958)				(4,661,958)		(4,661,958)
Retail Meter Charge	9,580,818					9,580,818		9,580,818
Ground Water Customer Charge	405,463					405,463		405,463
Reimb for PARS OPEB Trust Reimbursement	80,000					80,000		80,000
Interest Revenue	738,960					738,960		738,960
MWDOC's Contribution								
Outside Fundings			10,872,042		1,906	11,174,756	(300,808)	11,174,756
Choice Revenue	2,044,635					2,044,635		2,044,635
Miscellaneous Income	3,000					3,000		3,000
Total Revenues	12,852,876	208,221,158	10,872,042	601,615	1,906	232,549,597	(300,808)	232,248,789
Expenses:								
Water Purchases		208,221,158				208,221,158		208,221,158
Salaries & Wages	5,422,706			412,741	1,491	5,836,938		5,836,938
less S & W Reimb. DSC or Recov from Grants	(65,000)					(65,000)		(65,000)
Employee Benefits	1,785,059			135,674	415	1,921,147		1,921,147
Outside Consulting Expense	293,000					293,000		293,000
Professional Fees	1,765,464		10,872,042			12,637,506		12,637,506
Contribution to Election Reserve	725,642					725,642		725,642
Legal Expense - General	260,000					260,000		260,000
Maintenance Expense	378,880			4,350		383,230		383,230
Insurance Expense	198,000					198,000		198,000
Membership / Sponsorship	243,688			950		244,638		244,638
Director Compensation	275,041					275,041		275,041
MWDOC Contribution to WEROC Operations	300,808					300,808	(300,808)	-
Others:								
MWD Representation	157,166					157,166		157,166
Director Benefits	149,557					149,557		149,557
Health Insurance Coverage for Retirees	81,349					81,349		81,349
Audit Expense	36,500					36,500		36,500
Automotive & Toll Road Expenses	24,700			1,500		26,200		26,200
Conference Expense - Staff	40,002			2,000		42,002		42,002
Conference Expense - Directors	16,955					16,955		16,955
CDR Participation	67,789					67,789		67,789
Business Expense	5,000					5,000		5,000
Miscellaneous Expense	159,470			7,200		166,670		166,670
Postage / Mail Delivery	10,100					10,100		10,100
Rents & Leases	1,200					1,200		1,200
Outside Printing, Subscription & Books	119,000					119,000		119,000
Office Supplies	34,800					34,800		34,800
Computer Maintenance	17,500			1,000		18,500		18,500
Software Support & Expense	89,188			4,000		93,188		93,188
Computers and Equipment	29,250			12,000		41,250		41,250
Telecommunications Expense	45,526			8,000		53,526		53,526
Temporary Help Expense	5,000					5,000		5,000
Tuition Reimbursement	41,200			6,000		47,200		47,200
Travel & Accommodations - Staff	6,000					6,000		6,000
Travel & Accommodations - Directors	89,580			6,200		95,780		95,780
Depreciation Expense (annualized)	39,925					39,925		39,925
Overhead Reimbursement								
MWDOC Building Expense								
Capital Acquisition								
All Other Expenses	1,318,758			47,900		1,366,658		1,366,658
Total Expenses	12,902,045	208,221,158	10,872,042	601,615	1,906	232,598,766	(300,808)	232,297,958
EFFECT ON RESERVES / FUND BALANCE	\$ (49,169)	\$ -	(2) \$ -	\$ -	\$ -	\$ (49,169)	\$ -	\$ (49,169)

1 Adjustment for MWDOC's contributions to other funds.
2 Net change to restricted reserves for interest revenue.

**Municipal Water District of Orange County
FY23/24 Consolidated Budget Summary**

	Core & Choice	Water Fund	WUE Grants and Outside Funding	WEROC	AMP Proceeds Agreement Administration	Total with Inter-Fund Transfers	Less Inter-Fund Transfers ⁽¹⁾	Consolidated Budget Total
Revenues:								
Water Sales		\$ 204,692,719				\$ 204,692,719		\$ 204,692,719
Local Resource Program Incentives		(4,725,194)				(4,725,194)		(4,725,194)
Retail Meter Charge	9,206,255					9,206,255		9,206,255
Ground Water Customer Charge	383,697					383,697		383,697
Reimb for PARS OPEB Trust Reimbursement								
Interest Revenue	319,410					319,410		319,410
MWDOC's Contribution				293,307		293,307	(293,307)	
Outside Fundings			13,605,720	293,307	1,815	13,900,842		13,900,842
Choice Revenue	2,026,982					2,026,982		2,026,982
Miscellaneous Income	3,000					3,000		3,000
Total Revenues	11,939,343	199,967,525	13,605,720	586,614	1,815	226,101,018	(293,307)	225,807,711
Expenses:								
Water Purchases		199,967,525				199,967,525		199,967,525
Salaries & Wages	5,135,355			400,778	1,492	5,537,626		5,537,626
less S & W Reimb. DSC or Recov from Grants	(30,000)					(30,000)		(30,000)
Employee Benefits	1,714,382				323	1,836,591		1,836,591
Outside Consulting Expense	307,000					307,000		307,000
Professional Fees	1,798,425		13,605,720	4,000		15,408,145		15,408,145
Contribution to Election Reserve	563,020					563,020		563,020
Legal Expense - General	241,000					241,000		241,000
Maintenance Expense	207,060			4,700		211,760		211,760
Insurance Expense	182,976					182,976		182,976
Membership / Sponsorship	167,366			950		168,316		168,316
Director Compensation	275,041					275,041		275,041
MWDOC Contribution to WEROC Operations	293,307					293,307	(293,307)	
Others:								
MWD Representation	117,875					117,875		117,875
Director Benefits	104,447					104,447		104,447
Health Insurance Coverage for Retirees	84,847					84,847		84,847
Audit Expense	36,500					36,500		36,500
Automotive & Toll Road Expenses	22,375			1,500		23,875		23,875
Conference Expense - Staff	49,832			5,800		55,632		55,632
Conference Expense - Directors	23,065					23,065		23,065
CDR Participation	62,433					62,433		62,433
Business Expense	2,000					2,000		2,000
Miscellaneous Expense	156,800			7,200		164,000		164,000
Postage / Mail Delivery	11,675					11,675		11,675
Rents & Leases	1,800					1,800		1,800
Outside Printing, Subscription & Books	94,000			100		94,100		94,100
Office Supplies	31,000			1,000		32,000		32,000
Computer Maintenance	5,000			4,000		9,000		9,000
Software Support & Expense	156,683			12,000		168,683		168,683
Computers and Equipments	43,000					43,000		43,000
Telecommunications Expense	46,438			10,000		56,438		56,438
Temporary Help Expense	5,000					5,000		5,000
Training Expense	36,000			8,200		44,200		44,200
Tuition Reimbursement	5,000					5,000		5,000
Travel & Accommodations - Staff	102,200			4,500		106,700		106,700
Travel & Accommodations - Directors	42,400					42,400		42,400
Depreciation Expense (annualized)								
Overhead Reimbursement	222,686					222,686		222,686
MWDOC Building Expense	25,892					25,892		25,892
Capital Acquisition	1,488,948			54,300		1,543,248		1,543,248
All Other Expenses								
Total Expenses	12,343,881	199,967,525	13,605,720	586,614	1,815	226,505,555	(293,307)	226,212,248
EFFECT ON RESERVES / FUND BALANCE	\$ (404,538)	\$ -	(2) \$ -	\$ -	\$ -	\$ (404,537)	\$ -	\$ (404,537)

1 Adjustment for MWDOC's contributions to other funds.
2 Net change to restricted reserves for interest revenue.



INFORMATION ITEM

October 9, 2024

TO: Administration & Finance Committee
(Directors Crane, Thomas, Nederhood)

FROM: Harvey De La Torre, General Manager

Staff Contact: Katie Davanaugh, Sr. Human Resources Analyst

SUBJECT: 2025 BENEFIT RATES (Health and Vision Insurance Rates)

STAFF RECOMMENDATION

Staff recommends the Administration & Finance Committee receive and file this report.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

SUMMARY

The 2024 medical, vision and dental insurance rate changes are listed as follows:

JPIA Benefit Plans	2025 % change compared to 2024	2024 % change compared to 2023
Anthem PPO – medical (including CDHP)	10	12
Anthem HMO – medical	5	5.48
Kaiser - medical	5.46	9.87
Kaiser Sr. Advantage – medical	7.83	14.68
UHC Medicare Advantage (retiree medical)	24.25	1.9
VSP – vision	0	0

- The amount budgeted for FY 2024-25 for medical and vision benefits is \$770,979
- Based on the 2025 plan premium rates, the projected totals for 2024-25 will be \$724,100

Budgeted: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Budgeted amount: \$770,979	Core: <input checked="" type="checkbox"/>	Choice: <input checked="" type="checkbox"/>
Action item amount: n/a		Movement between funds: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

ALIGNMENT WITH BOARD STRATEGIC PRIORITIES

- Clarifying MWDOC’s mission and role; defining functions and actions.*
- Balance support for Metropolitan’s regional mission and Orange County values and interests.*
- Strengthen communications and coordination of messaging.*
- Work with member agencies to develop water supply and demand objectives.*
- Solicit input and feedback from member agencies.*
- Invest in workforce development and succession planning.*

List of Attachments/Links:

<i>Attachment 1: 2025 Premium schedule</i>
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2025 Health Insurance Rates (monthly)											
Plan	Total premium				Employee cost				District cost		
	Single	2-Party	Family	Family	Single	2-Party	Family	Family	Single	2-party	Family
Active Employees											
Kaiser (CDHP)	564.52	1,129.04	1,569.37		0.00	225.81	313.87		564.52	903.23	1,255.50
Anthem PPO (CDHP)	723.76	1,447.52	1,917.96		15.92	289.50	383.59		707.84	1,158.02	1,534.37
Kaiser Traditional	780.19	1,560.38	2,168.93		21.57	312.08	433.79		758.62	1,248.30	1,735.14
Anthem PPO (Classic)	904.70	1,809.40	2,397.46		34.02	361.88	479.49		870.68	1,447.52	1,917.97
Anthem HMO (CalCare)	1,080.50	2,161.00	2,863.33		51.60	432.20	572.67		1,028.90	1,728.80	2,290.66
Dental	53.46	89.92	136.68		5.35	8.99	13.67		48.11	80.93	123.01
Vision VSP	23.66	23.66	23.66		0.00	0.00	0.00		23.66	23.66	23.66
Retiree Rates											
Kaiser Sr. Advantage	197.12	394.24			0.00	78.85			197.12	315.39	
UHC PPO (Medicare Advantage)	512.45	1,024.90			31.53	204.98			480.92	819.92	
Dental	53.46	89.92			5.35	17.98			48.11	71.94	
Vision VSP	14.76	23.46			0.00	4.69			14.76	18.77	
Mixed Medicare Rates											
Kaiser Traditional + Sr. Advantage						997.31			199.46	797.85	
CDHP + UHC						1,236.21			247.24	988.97	
Classic PPO + UHC						1,417.15			283.43	1,133.72	
CalCare HMO + UHC						1,592.95			318.59	1,274.36	
<p>For medical insurance, The District will pay 100% of the lowest cost plan for employee/retiree only. The employee/retiree may "buy up" to a different plan, at 10% of the cost difference between plans.</p> <p>For medical insurance 2-party coverage, the <u>employee/retiree</u> cost share is 20% of the total premium cost.</p> <p>For medical insurance, family coverage, the <u>employee</u> cost share is 20% of the total premium cost.</p> <p>Mixed Medicare rates are for enrollments that include one retiree with Medicare and one without Medicare</p> <p>See HR for complete details and eligibility requirements</p>											



INFORMATION ITEM

October 9, 2024

TO: Administration & Finance Committee
(Directors Crane, Thomas, Nederhood)

FROM: Harvey De La Torre, General Manager

Staff Contact: Cathy Harris, Director of Human Resources & Administration

SUBJECT: JOINT SUPERVISOR TRAINING WORKSHOP HOSTED BY MWDOC AND YORBA LINDA WATER DISTRICT

STAFF RECOMMENDATION

Staff recommends the Administration & Finance Committee receive and file this report.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

SUMMARY

As part of the District's Strategic Priorities in workforce development and succession planning, as well as collaboration with the Member Agencies, the MWDOC HR team is co-hosting a Supervisor's Academy Training with the Yorba Linda Water District, which will be conducted by *The Centre for Organization Effectiveness* (TCFOE). The training for employees is scheduled to begin in January 2025 and will be completed in April. The training is for a total of five full day sessions (approx. 40 hours). Three sessions will be held at MWDOC's offices and the remaining two sessions at Yorba Linda Water District's offices.

This training is limited to 30 participants and the class is currently full. The cost for the training is \$1,099 per person. Therefore, the total cost for 30 participants is \$32,970. Since Yorba Linda Water District is sending 50% of the participants, TCFOE has agreed to invoice them directly for half of the costs (\$16,485) and MWDOC will be billed for the other half (\$16,485).

Budgeted: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Budgeted amount: \$40,000	Core: <input checked="" type="checkbox"/>	Choice: <input type="checkbox"/>
Action item amount: Training costs for 3 staff is included in the 2024-25 approved budget.		Movement between funds: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

MWDOC's 50% portion will include 12 attendees from other agencies (which will be reimbursed back to MWDOC) plus 3 MWDOC staff members.

The cost breakdown associated with this Supervisor's Academy Training is as follows:

Total TCFOE Training Cost (30 attendees)	\$32,970
YLWD's Cost Share (TCFOE will bill YLWD directly) for 15 attendees	\$16,485
Participating Agencies Cost for 12 attendees (which will be reimbursed back to MWDOC)	\$13,188
MWDOC's Cost for 3 attendees	<u>\$ 3,297</u>
MWDOC's Cost Share (Payable to TFCOE)	\$16,485

*MWDOC and YLWD will split the costs for breakfast, lunch, and beverages

ALIGNMENT WITH BOARD STRATEGIC PRIORITIES

- | | |
|--|---|
| <input checked="" type="checkbox"/> Clarifying MWDOC's mission and role; defining functions and actions. | <input type="checkbox"/> Work with member agencies to develop water supply and demand objectives. |
| <input type="checkbox"/> Balance support for Metropolitan's regional mission and Orange County values and interests. | <input checked="" type="checkbox"/> Solicit input and feedback from member agencies. |
| <input type="checkbox"/> Strengthen communications and coordination of messaging. | <input checked="" type="checkbox"/> Invest in workforce development and succession planning. |

List of Attachments/Links:
Attachment 1: Supervisor Academy Program Outline

SUPERVISORS ACADEMY

DAY ONE: January 7, 2025 - 8:00am-4:30pm at Municipal Water District of Orange County at 18700 Ward Street, Fountain Valley, CA 92708

Welcome/Kickoff

The Changing Role of Supervisors and Best Practices of Leadership

- Develop a clearer understanding of current theories and best practices of leadership
- Understand the differences between leadership and management
- Understand the impact of leadership style on individual motivation and team effectiveness
- Apply these models to your workplace and to yourself, and assess your strengths and areas for development
- Develop a personal development action plan for yourself

Facilitation Skills and Meeting Effectiveness

- Leverage meeting effectiveness as a leader
- Determine the appropriate purpose for meetings
- Utilize agendas, outcomes, minutes, and timekeepers effectively in meetings
- Enhance the effectiveness of team roles and responsibilities
- Understand accountability in facilitating effective team meetings

DAY TWO: February 3, 2025 - 8:00am-4:30pm at Yorba Linda Water District at 1717 E. Miraloma Avenue, Placentia, CA 92870

Communication & the Myers Briggs Type Indicator

- Understand your Myers Briggs Type Indicator (MBTI) preferences & the inherent strengths & limitations of your style
- Reflect on your natural communication style through MBTI lens
- Understand how communication style is related to your effectiveness as a manager and leader
- Enhance your understanding of teams and teamwork through your MBTI preferences

Components of High Performance Teams

- Learn team fundamentals for creating a high performing team
- Discover models and stages for understanding teams and team processes
- Understand social threats and rewards for influencing and motivating others
- Create a team charter for goals and role clarity

DAY THREE: February 24, 2025 - 8:00am-4:30 pm at Municipal Water District of Orange County at 18700 Ward Street, Fountain Valley, CA 92708

Advanced Coaching and Influencing Others

- Learn specific tools and techniques for enhancing the performance of your staff

- Discover ways to develop job criterion and standards for employee performance
- Apply concepts of Situational Leadership to your management style
- Assess your own staff, peers, and supervisor, and identify ways to influence and motivate them

Diversity and Inclusion with Emotional Intelligence

- Learn the definitions surrounding diversity and inclusion
- Understand how Emotional Intelligence plays a part in managing bias in oneself and others
- Learn how to break down barriers to diversity and inclusion
- Discover personal strategies to consider using the FLEX model

DAY FOUR: March 11, 2025 - 8:00am-4:30pm at Municipal Water District of Orange County at 18700 Ward Street, Fountain Valley, CA 92708

Managing Change

- Understand the emotional response to change
- Discover models for understanding change
- Reflect on change and the cultural context in your organization
- Understand the importance of leading change and sponsorship
- Explore concepts of resilience

Communication & Conflict Resolution

- Understand why it's important to deal with conflict
- Identify sources of conflict
- Discover insights into your own conflict resolution style
- Learn about feedback and practice giving it
- Learn constructive processes for dealing effectively with conflict
- Apply new learnings

DAY FIVE: April 7, 2025 - 8:00am-4:30pm at Yorba Linda Water District at 1717 E. Miraloma Avenue, Placentia, CA 92870

Decision-making and Accountability

- Understand a decision-making model that balances the need for quality, acceptance and time
- Enhance your understanding of teams and team Decision making in meetings
- Practice decision making thru case studies
- Explore the concept of consensus decision making and its applications

Goal Setting Session

- Understand goal setting: What it is and why it's important
- Synthesize and discuss goals from the Academy
- Set goals that apply learning's from the academy back to the work environment
- Create high level action plans to ensure success

Graduation Ceremony at 3pm



Municipal Water District of Orange County
Individual Charges Disclosure
For the period of 7/1/2023 - 6/30/2024

Item 9

POSITION:	VENDOR:	EVENT:	ITEM:	AMOUNT
Director	Hertz	CCEEB Seminar in Olympic Valley, CA - Transportation 07/18/23-07/19/23	Travel & Accommodations	\$259.99
			Director Total:	\$259.99
Director	Mileage	Colorado River Water Users Association Conference in Las Vegas, NV - Roundtrip mileage 12/12/23 and 12/15/23	Mileage	\$ 300.00
			Director Total:	\$ 300.00
Director of Engineering	California Board for Professional Engineers, Land Surveyors, and Geologists	Professional Engineers License Renewal reimbursement 11/15/23	Certification	\$ 180.00
			Director of Engineering Total:	\$ 180.00
Director of Water Use Efficiency	Reimbursement	ink cartridge for remote work use 10/15/23	Office supplies	\$ 142.22
	Hertz	PG&E Water Conservation Conference, San Ramon, CA - Transportation 04/04/23	Travel & Accommodations	\$ 152.30
			Director of Water Use Efficiency Total:	\$ 294.52
Director of Emergency Management	Southwest	ICS 300 Training in Santa Clara County - Roundtrip Airfare 09/12/23-09/15/23	Travel & Accommodations	\$ 424.97
			Director of Emergency Management Total:	\$ 424.97
Principal Engineer	California Board for Professional Engineers, Land Surveyors, and Geologists	Professional Engineers License Renewal reimbursement 03/06/24	Certification	\$ 180.00
			Principal Engineer Total	\$ 180.00
Director of Government Affairs	Reimbursement	Gift Card for SCWD Director 02/29/24	Miscellaneous	\$ 100.00
			Director of Government Affairs	\$ 100.00
Sr. Human Resources Analyst	Reimbursement	Achievement award gift card for MWDOC staff 02/29/24	Miscellaneous	\$ 106.95
			Sr. Human Resources Analyst Total:	\$ 106.95
General Manager	Hyatt Regency	Urban Water Institute Fall Conference - Hotel and parking for one night 08/24/23	Travel & Accommodations	\$ 403.51
			General Manager Total:	\$ 403.51
WUE Program Supervisor	Southwest	CA Irrigation Institution Conference in Sacramento, CA - Roundtrip airfare 01/30/24	Travel & Accommodation	\$ 399.96
	Hilton Hotel	CA Irrigation Institution Conference in Sacramento, CA - Accommodations for two nights 02/25/24-02/26/24	Travel & Accommodation	\$ 298.78
			WUE Program Supervisor Total:	\$ 698.74
Water Loss Control Programs Supervisor	Reimbursement	Battery for Dodge Ram Van reimbursement 06/29/23	Vehicle Expense	\$ 249.00
			Water Loss Control Programs Supervisor	\$ 249.00
Water Loss Control Technician II	Reimbursement	Boots purchase 07/13/23	Supplies - Water Loss Control	\$ 201.17
			Water Loss Control Technician II Total:	\$ 201.17
			Grand Total	\$ 3,398.85



INFORMATION ITEM

October 09,2024

TO: Administration & Finance Committee
(Directors Crane, Thomas, Nederhood)

FROM: Harvey De La Torre, General Manager
Staff Contact: Hilary Chumpitazi, Director of Finance/IT

SUBJECT: CalPERS Annual Valuation Report as of June 30, 2023

STAFF RECOMMENDATION

Staff recommends the Administration & Finance Committee receive and file this report.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

SUMMARY

MWDOC received its CalPERS Annual Valuation Reports as of June 30, 2023, and staff attended one meeting to go over the details of the report and any changes. Page 4 of both reports has been updated to show a summary of key valuation results. Those results are detailed below.

Miscellaneous Plan (Classic)

- MWDOC’s Normal Cost Rate is 12.52% for July 1, 2024, and effective July 1, 2025, it will increase to 12.58%, increasing our Unfunded Accrued Liability Contribution Amount by \$28,809. Employees continue to contribute 7%, which brings the total obligation to 19.52% and 19.58%, respectively.
 - The District pays the Required Employer Contribution via the Annual Prepayment Option, which saved the District \$9,649 for FY 2024-25 and will save \$10,581 for FY 2025-26.

Budgeted: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Budgeted amount:	Core: <input type="checkbox"/>	Choice: <input type="checkbox"/>
Action item amount:	Movement between funds: <input type="checkbox"/> Yes <input type="checkbox"/> No		

- The District's projected employer contributions are shown increasing each year over the next 5 years assuming there are no changes, and the investment return is 6.8% per year.
- The District's funded status as of June 30, 2023 is 76.7% with an Unfunded Accrued Liability (UAL) of \$4,542,957. Subtracting the balance of our Section 115 Trust for pension as of June 30, 2024 of \$1,999,765 we have a UAL of \$2,543,192, which is 87% funded.
 - The District also made an Additional Discretionary Payment (ADP) of \$500,000 in FY 2023-24 (shown on page 13 of the attached report) which will be reflected in the next actuarial report.
- The District's Active Member count decreased by two while the Retired Members increased by one.

PEPRA Plan

- The District's Normal Cost Rate is at 7.87% and will increase to 7.96% for FY 2025-26 while the Member Contribution Rate remains the same at 7.75% for July 1, 2025. The Unfunded Accrued Liability Contribution Amount will increase by \$8,125 for FY 2025-26.
 - The District pays the Required Employer Contribution via the Annual Prepayment Option, which saved the District \$239 for FY 2024-25 and will save \$502 for FY 2025-26.
- The District's projected employer contributions are shown increasing each year over the next 3 years assuming there are no changes, and the investment return is 6.8% per year.
- The District's funded status as of June 30, 2023 is 84.6% with an Unfunded Accrued Liability (UAL) of \$280,651.
- The District's Active Member count increased by five.

Economic Assumption Changes

Inflation has been higher than expected and is anticipated to put upward pressure on contribution requirements and possibly decrease the funded status in next year's evaluation. (This information can be found on page 5 of the attached report). The actuaries are seeing an approximate return of 6.8% in the next valuation report.

The District made its 7th annual deposit of \$207,000 for FY 2024-25 to the PARS 115 Pension Trust.

ALIGNMENT WITH BOARD STRATEGIC PRIORITIES

- Clarifying MWDOC’s mission and role; defining functions and actions.*
- Balance support for Metropolitan’s regional mission and Orange County values and interests.*
- Strengthen communications and coordination of messaging.*
- Work with member agencies to develop water supply and demand objectives.*
- Solicit input and feedback from member agencies.*
- Invest in workforce development and succession planning.*

List of Attachments/Links:

Attachment 1: CalPERS Actuarial Valuations for the Miscellaneous and PEPRAs Plans.



**California Public Employees' Retirement System
Actuarial Office**

400 Q Street, Sacramento, CA 95811 | Phone: (916) 795-3000 | Fax: (916) 795-2744
888 CalPERS (or 888-225-7377) | TTY: (877) 249-7442 | www.calpers.ca.gov

July 2024

**PEPRA Miscellaneous Plan of the Municipal Water District of Orange County (CalPERS ID: 6497938438)
Annual Valuation Report as of June 30, 2023**

Dear Employer,

Attached to this letter is Section 1 of the June 30, 2023 actuarial valuation report for the rate plan noted above. **Provided in this report is the determination of the minimum required employer contributions for fiscal year (FY) 2025-26.** In addition, the report contains important information regarding the current financial status of the plan as well as projections and risk measures to aid in planning for the future.

Because this plan is in a risk pool, the following valuation report has been separated into two sections:

- Section 1 contains specific information for the plan including the development of the current and projected employer contributions, and
- Section 2 contains the Risk Pool Actuarial Valuation appropriate to the plan as of June 30, 2023.

[Section 2](#) can be found on the CalPERS website (www.calpers.ca.gov). From the home page, go to *"Forms & Publications"* and select *"View All"*. In the search box, enter *"Risk Pool"* and from the results list download the Miscellaneous Risk Pool Actuarial Valuation Report for June 30, 2023.

Required Contributions

The table below shows the minimum required employer contributions and the PEPRA member contribution rate for FY 2025-26 along with an estimate of the employer contribution requirements for FY 2026-27. Employee contributions other than cost sharing (whether paid by the employer or the employee) are in addition to the results shown below. **The required employer contributions in this report do not reflect any cost sharing arrangement between the agency and the employees.**

Fiscal Year	Employer Normal Cost Rate	Employer Amortization of Unfunded Accrued Liability	PEPRA Member Contribution Rate
2025-26	7.96%	\$15,524	7.75%
<i>Projected Results</i>			
2026-27	8.0%	\$21,000	TBD

The actual investment return for FY 2023-24 was not known at the time this report was prepared. The projections above assume the investment return for that year would be 6.8%. To the extent the actual investment return for FY 2023-24 differs from 6.8%, the actual contribution requirements for FY 2026-27 will differ from those shown above. For additional details regarding the assumptions and methods used for these projections, please refer to [Projected Employer Contributions](#). This section also contains projected required contributions through FY2030-31.

Report Enhancements

A number of enhancements were made to the report this year to ease navigation and allow the reader to find specific information more quickly. The tables of contents are now "clickable." This is true for the main table of contents that follows the title page and the intermediate tables of contents at the beginning of sections. The Adobe navigation pane on the left can also be used to skip to specific exhibits.

There are a number of links throughout the document in blue text. Links that are internal to the document are not underlined, while underlined links will take you to the CalPERS website. Examples are shown below.

Internal Bookmarks	CalPERS Website Links
Required Employer Contributions	Required Employer Contribution Search Tool
Member Contribution Rates	Public Agency PEPRA Member Contribution Rates
Summary of Key Valuation Results	Pension Outlook Overview
Funded Status – Funding Policy Basis	Interactive Summary of Public Agency Valuation Results
Projected Employer Contributions	Public Agency Actuarial Valuation Reports

Further descriptions of general changes are included in the [Highlights and Executive Summary](#) section and in Appendix A - Actuarial Methods and Assumptions in Section 2.

Questions

A CalPERS actuary is available to answer questions about this report. Other questions may be directed to the Customer Contact Center at **888 CalPERS** (or **888-225-7377**).

Sincerely,



Kerry J. Worgan, MAAA, FSA, FCIA
Supervising Actuary, CalPERS



Randall Dziubek, ASA, MAAA
Deputy Chief Actuary, Valuation Services, CalPERS



Scott Terando, ASA, EA, MAAA, FCA, CFA
Chief Actuary, CalPERS

California Public Employees' Retirement System

Actuarial Valuation for the PEPRA Miscellaneous Plan of the Municipal Water District of Orange County as of June 30, 2023

(CalPERS ID: 6497938438)

(Rate Plan ID: 26684)

Required Contributions for Fiscal Year

July 1, 2025 — June 30, 2026

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Section 2 – Risk Pool Actuarial Valuation Information

Section 1

California Public Employees' Retirement System

**Plan Specific Information
for the
PEPRA Miscellaneous Plan
of the
Municipal Water District of Orange County**

**(CalPERS ID: 6497938438)
(Rate Plan ID: 26684)**

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Actuarial Certification

It is our opinion that the valuation has been performed in accordance with generally accepted actuarial principles as well as the applicable Standards of Practice promulgated by the Actuarial Standards Board. While this report, consisting of Section 1 and Section 2, is intended to be complete, our office is available to answer questions as needed. All of the undersigned are actuaries who satisfy the *Qualification Standards for Actuaries Issuing Statements of Actuarial Opinion in the United States* of the American Academy of Actuaries with regard to pensions.

Actuarial Methods and Assumptions

It is our opinion that the assumptions and methods, as recommended by the Chief Actuary and adopted by the CalPERS Board of Administration, are internally consistent and reasonable for this plan.



Randall Dziubek, ASA, MAAA
Deputy Chief Actuary, Valuation Services, CalPERS



Scott Terando, ASA, EA, MAAA, FCA, CFA
Chief Actuary, CalPERS

Actuarial Data and Rate Plan Results

To the best of my knowledge and having relied upon the attestation above that the actuarial methods and assumptions are reasonable as well as the information in Section 2 of this report, this report is complete and accurate and contains sufficient information to disclose, fully and fairly, the funded condition of the PEPRA Miscellaneous Plan of the Municipal Water District of Orange County and satisfies the actuarial valuation requirements of Government Code section 7504. This valuation and related validation work was performed by the CalPERS Actuarial Office. The valuation was based on the member and financial data as of June 30, 2023, provided by the various CalPERS databases and the benefits under this plan with CalPERS as of the date this report was produced. Section 1 of this report is based on the member and financial data for Municipal Water District of Orange County, while Section 2 is based on the corresponding information for all agencies participating in the Miscellaneous Risk Pool to which the plan belongs.



Kerry J. Worgan, MAAA, FSA, FCIA
Supervising Actuary, CalPERS

Highlights and Executive Summary

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- **Purpose of Section 1** **3**
- **Summary of Key Valuation Results** **4**
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Introduction

This report presents the results of the June 30, 2023, actuarial valuation of the PEPRA Miscellaneous Plan of the Municipal Water District of Orange County of the California Public Employees' Retirement System (CalPERS). This actuarial valuation sets the minimum required contributions for fiscal year (FY) 2025-26.

Purpose of Section 1

This Section 1 report for the PEPRA Miscellaneous Plan of the Municipal Water District of Orange County of CalPERS was prepared by the Actuarial Office using data as of June 30, 2023. The purpose of the valuation is to:

- Set forth the assets and accrued liabilities of this rate plan as of June 30, 2023;
- Determine the minimum required employer contributions for this rate plan for FY July 1, 2025, through June 30, 2026;
- Determine the required member contribution rate for FY July 1, 2025, through June 30, 2026, for employees subject to the California Public Employees' Pension Reform Act of 2013 (PEPRA); and
- Provide actuarial information as of June 30, 2023, to the CalPERS Board of Administration (board) and other interested parties.

The pension funding information presented in this report should not be used in financial reports subject to Governmental Accounting Standards Board (GASB) Statement No. 68 for a Cost Sharing Employer Defined Benefit Pension Plan. A separate accounting valuation report for such purposes is available on the CalPERS website (www.calpers.ca.gov).

The measurements shown in this actuarial valuation may not be applicable for other purposes. The agency should contact a CalPERS actuary before disseminating any portion of this report for any reason that is not explicitly described above.

Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; changes in actuarial policies; changes in plan provisions or applicable law; and differences between the required contributions determined by the valuation and the actual contributions made by the agency.

Assessment and Disclosure of Risk

This report includes the following risk disclosures consistent with the guidance of Actuarial Standards of Practice No. 51 and recommended by the California Actuarial Advisory Panel (CAAP) in the Model Disclosure Elements document:

- A "Scenario Test," projecting future results under different investment income returns.
- A "Sensitivity Analysis," showing the impact on current valuation results using alternative discount rates of 5.8% and 7.8%.
- A "Sensitivity Analysis," showing the impact on current valuation results assuming rates of mortality are 10% lower or 10% higher than our current post-retirement mortality assumptions adopted in 2021.
- Plan maturity measures indicating how sensitive a plan may be to the risks noted above.

Summary of Key Valuation Results

Below is a brief summary of key valuation results along with page references where more detailed information can be found.

Required Employer Contributions — page 8

	Fiscal Year 2024-25	Fiscal Year 2025-26
Employer Normal Cost Rate	7.87%	7.96%
Unfunded Accrued Liability (UAL) Contribution Amount	\$7,399	\$15,524
Paid either as		
Option 1) 12 Monthly Payments of	\$616.58	\$1,293.67
Option 2) Annual Prepayment in July	\$7,160	\$15,022

Member Contribution Rates — page 9

	Fiscal Year 2024-25	Fiscal Year 2025-26
Member Contribution Rate	7.75%	7.75%

Projected Employer Contributions — page 14

Fiscal Year	Normal Cost (% of payroll)	Annual UAL Payment
2026-27	8.0%	\$21,000
2027-28	8.0%	\$26,000
2028-29	8.0%	\$31,000
2029-30	8.0%	\$31,000
2030-31	8.0%	\$31,000

Funded Status — Funding Policy Basis — page 12

	June 30, 2022	June 30, 2023
Entry Age Accrued Liability (AL)	\$1,671,894	\$1,827,122
Market Value of Assets (MVA)	1,461,199	1,546,471
Unfunded Accrued Liability (UAL) [AL – MVA]	\$210,695	\$280,651
Funded Ratio [MVA ÷ AL]	87.4%	84.6%

Summary of Valuation Data — Page 26

	June 30, 2022	June 30, 2023
Active Member Count	17	22
Annual Covered Payroll	\$1,521,503	\$1,968,806
Transferred Member Count	8	9
Separated Member Count	6	7
Retired Members and Beneficiaries Count	0	0

Changes Since the Prior Year's Valuation

Benefits

The standard actuarial practice at CalPERS is to recognize mandated legislative benefit changes in the first annual valuation following the effective date of the legislation. For pooled rate plans, voluntary benefit changes by plan amendment are generally included in the first valuation with a valuation date on or after the effective date of the amendment.

Please refer to the [Plan's Major Benefit Options](#) in this report and Appendix B of the Section 2 Report for a summary of the plan provisions used in this valuation.

Actuarial Methods and Assumptions

There are no significant changes to the actuarial methods or assumptions for the June 30, 2023, actuarial valuation.

New Disclosure Items

In December 2021, the Actuarial Standards Board issued a revision of Actuarial Standard of Practice No. 4 (ASOP 4) requiring actuaries to disclose a low-default-risk obligation measure (LDROM) of the benefits earned. This information is shown in a new exhibit, [Funded Status – Low-Default-Risk Basis](#).

Subsequent Events

This actuarial valuation report reflects fund investment return through June 30, 2023, as well as statutory changes, regulatory changes and board actions through January 2024.

During the time period between the valuation date and the publication of this report, inflation has been higher than the expected inflation of 2.3% per annum. Since inflation influences cost-of-living increases for retirees and beneficiaries and active member pay increases, higher inflation is likely to put at least some upward pressure on contribution requirements and downward pressure on the funded status in the June 30, 2024, valuation. The actual impact of higher inflation on future valuation results will depend on, among other factors, how long higher inflation persists.

The 2023 annual benefit limit under Internal Revenue Code (IRC) section 415(b) and annual compensation limits under IRC section 401(a)(17) and Government Code section 7522.10 were used for this valuation and are assumed to increase 2.3% per year based on the price inflation assumption. The actual 2024 limits, determined in October 2023, are not reflected.

On April 16, 2024, the board took action to modify the Funding Risk Mitigation Policy to remove the automatic change to the discount rate when the investment return exceeds various thresholds. Rather than an automatic change to the discount rate, a board discussion would be placed on the calendar. The 95th percentile return in the [Future Investment Return Scenarios](#) exhibit in this report has not been modified and still reflects the projected contribution requirements associated with a reduction in the discount rate.

To the best of our knowledge, there have been no other subsequent events that could materially affect current or future certifications rendered in this report.

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Determination of Required Contributions

Contributions to fund the plan are determined by an actuarial valuation performed each year. The valuation employs complex calculations based on a set of actuarial assumptions and methods. See Appendix A in Section 2 for information on the assumptions and methods used in this valuation. The valuation incorporates all plan experience through the valuation date and sets required contributions for the fiscal year that begins two years after the valuation date.

Contribution Components

Two components comprise required contributions:

- Normal Cost — expressed as a percentage of pensionable payroll
- Unfunded Accrued Liability (UAL) Contribution — expressed as a dollar amount

Normal Cost represents the value of benefits allocated to the upcoming year for active employees. If all plan experience exactly matched the actuarial assumptions, normal cost would be sufficient to fully fund all benefits. The employer and employees each pay a share of the normal cost with contributions payable as part of the regular payroll reporting process. The contribution rate for Classic members is set by statute based on benefit formula whereas for PEPRA members it is based on 50% of the total normal cost.

When plan experience differs from the actuarial assumptions, unfunded accrued liability (UAL) emerges. The new UAL may be positive or negative. If the total UAL is positive (i.e., accrued liability exceeds assets), the employer is required to make contributions to pay off the UAL over time. This is called the Unfunded Accrued Liability Contribution component. There is an option to prepay this amount during July of each fiscal year, otherwise it is paid monthly.

In measuring the UAL each year, plan experience is split by source. Common sources of UAL include investment experience different than expected, non-investment experience different than expected, assumption changes and benefit changes. Each source of UAL (positive or negative) forms a base that is amortized, or paid off, over a specified period of time in accordance with the CalPERS [Actuarial Amortization Policy](#). The Unfunded Accrued Liability Contribution is the sum of the payments on all bases. See the [Schedule of Amortization Bases](#) section of this report for an inventory of existing bases and Appendix A in Section 2 for more information on the amortization policy.

Required Employer Contributions

The required employer contributions in this report do not reflect any cost sharing arrangement between the agency and the employees.

Required Employer Contributions	Fiscal Year 2025-26
Employer Normal Cost Rate	7.96%
<i>Plus</i>	
Unfunded Accrued Liability (UAL) Contribution Amount¹	\$15,524
<i>Paid either as</i>	
1) Monthly Payment	\$1,293.67
<i>Or</i>	
2) Annual Prepayment Option*	\$15,022

The total minimum required employer contribution is the sum of the Plan's Employer Normal Cost Rate (expressed as a percentage of payroll and paid as payroll is reported) and the Unfunded Accrued Liability (UAL) Contribution Amount (billed monthly(1) or prepaid annually(2) in dollars).

* Only the UAL portion of the employer contribution can be prepaid (**which must be received in full no later than July 31**).

For [Member Contribution Rates](#) see the following page.

Development of Normal Cost as a Percentage of Payroll	Fiscal Year 2024-25	Fiscal Year 2025-26
Base Total Normal Cost for Formula	15.62%	15.71%
Surcharge for Class 1 Benefits ²		
None	0.00%	0.00%
Plan's Total Normal Cost	15.62%	15.71%
Offset Due to Employee Contributions ³	7.75%	7.75%
Employer Normal Cost	7.87%	7.96%

¹ The required payment on amortization bases does not take into account any additional discretionary payment made after April 30, 2024.

² Section 2 of this report contains a list of Class 1 benefits and corresponding surcharges.

³ This is the expected employee contributions, taking into account individual benefit formula and any offset from the use of a modified formula, divided by projected annual payroll. For member contribution rates above the breakpoint for each benefit formula, see [Member Contribution Rates](#).

Member Contribution Rates

The required member contributions in this report do not reflect any cost sharing arrangement between the agency and the employees.

The California Public Employees' Pension Reform Act of 2013 (PEPRA) established new benefit formulas, final compensation period, and contribution requirements for "new" employees (generally those first hired into a CalPERS-covered position on or after January 1, 2013). In accordance with Government Code Section 7522.30(b), "new members ... shall have an initial contribution rate of at least 50% of the normal cost rate." The normal cost rate for the plan is dependent on the benefit levels, actuarial assumptions and demographics of the risk pool, particularly members' entry age. Should the total normal cost rate of the plan change by more than 1% from the base total normal cost rate established for the plan, the new member rate shall be 50% of the new normal cost rate rounded to the nearest quarter percent.

The table below shows the determination of the PEPRA member contribution rates effective July 1, 2025, based on 50% of the total normal cost rate as of the June 30, 2023, valuation.

Rate Plan Identifier	Benefit Group Name	Basis for Current Rate		Rates Effective July 1, 2025			
		Total Normal Cost	Member Rate	Total Normal Cost	Change	Change Needed	Member Rate
26684	Miscellaneous PEPRA Level	15.43%	7.75%	15.71%	0.28%	No	7.75%

Other Pooled Miscellaneous Risk Pool Rate Plans

All of the results presented in this Section 1 report, except those shown on this page, correspond to rate plan 26684. In many cases, employers have additional rate plans within the same risk pool. For cost analysis and budgeting it is useful to consider contributions for these rate plans as a whole rather than individually. The estimated contribution amounts and rates for all of the employer's rate plans in the Miscellaneous Risk Pool are shown below and assume that the total employer payroll within the Miscellaneous Risk Pool will grow according to the overall payroll growth assumption of 2.80% per year for three years. Classic members who are projected to terminate employment are assumed to be replaced by PEPRA members.

Estimated Employer Contributions for all Pooled Miscellaneous Rate Plans	Fiscal Year	Fiscal Year
	2024-25	2025-26
Projected Payroll for the Contribution Year	\$4,399,390	\$4,807,667
Estimated Employer Normal Cost	\$455,383	\$488,866
Required Payment on Amortization Bases	\$305,592	\$342,526
Estimated Total Employer Contributions	\$760,975	\$831,392
Estimated Total Employer Contribution Rate (illustrative only)	17.30%	17.29%

Breakdown of Entry Age Accrued Liability

Active Members	\$1,518,949
Transferred Members	262,984
Separated Members	45,189
Members and Beneficiaries Receiving Payments	0
Total	\$1,827,122

Allocation of Plan's Share of Pool's Experience

It is the policy of CalPERS to ensure equity within the risk pools by allocating the pool's experience gains/losses and assumption changes in a manner that treats each employer equitably and maintains benefit security for the members of the System while minimizing substantial variations in employer contributions. The pool's experience gains/losses and impact of assumption/method changes is allocated to the plan as follows:

1. Plan's Accrued Liability	\$1,827,122
2. Projected UAL Balance at 6/30/2023	242,429
3. Other UAL Adjustments (Golden Handshake, Prior Service Purchase, etc.)	0
4. Adjusted UAL Balance at 6/30/2023 for Asset Share	242,429
5. Pool's Accrued Liability ¹	23,349,910,053
6. Sum of Pool's Individual Plan UAL Balances at 6/30/2023 ¹	5,227,602,209
7. Pool's 2022-23 Investment (Gain)/Loss ¹	114,855,623
8. Pool's 2022-23 Non-Investment (Gain)/Loss ¹	360,116,330
9. Plan's Share of Pool's Investment (Gain)/Loss: $[(1) - (4)] \div [(5) - (6)] \times (7)$	10,043
10. Plan's Share of Pool's Non-Investment (Gain)/Loss: $(1) \div (5) \times (8)$	28,179
11. Plan's New (Gain)/Loss as of 6/30/2023: $(9) + (10)$	38,222
12. Increase in Pool's Accrued Liability due to Change in Assumptions ¹	0
13. Plan's Share of Pool's Change in Assumptions: $(1) \div (5) \times (12)$	0
14. Increase in Pool's Accrued Liability due to Funding Risk Mitigation ¹	0
15. Plan's Share of Pool's Change due to Funding Risk Mitigation: $(1) \div (5) \times (14)$	0
16. Offset due to Funding Risk Mitigation	0
17. Plan's Investment (Gain)/Loss: $(9) - (16)$	10,043

¹ Does not include plans that transferred to the pool on the valuation date.

Development of the Plan's Share of Pool's Assets

18. Plan's UAL: $(2) + (3) + (11) + (13) + (15)$	\$280,651
19. Plan's Share of Pool's Market Value of Assets (MVA): $(1) - (18)$	\$1,546,471

For a reconciliation of the pool's Market Value of Assets (MVA), information on the fund's asset allocation and a history of CalPERS investment returns, see [Section 2](#), which can be found on the CalPERS website (www.calpers.ca.gov).

Funded Status – Funding Policy Basis

The table below provides information on the current funded status of the plan under the funding policy. The funded status for this purpose is based on the market value of assets relative to the funding target produced by the entry age actuarial cost method and actuarial assumptions adopted by the board. The actuarial cost method allocates the total expected cost of a member's projected benefit (Present Value of Benefits) to individual years of service (the Normal Cost). The value of the projected benefit that is not allocated to future service is referred to as the Accrued Liability and is the plan's funding target on the valuation date. The Unfunded Accrued Liability (UAL) equals the funding target minus the assets. The UAL is an absolute measure of funded status and can be viewed as employer debt. The funded ratio equals the assets divided by the funding target. The funded ratio is a relative measure of the funded status and allows for comparisons between plans of different sizes.

	June 30, 2022	June 30, 2023
1. Present Value of Benefits	\$4,107,719	\$4,931,193
2. Entry Age Accrued Liability	1,671,894	1,827,122
3. Market Value of Assets (MVA)	1,461,199	1,546,471
4. Unfunded Accrued Liability (UAL) [(2) – (3)]	\$210,695	\$280,651
5. Funded Ratio [(3) ÷ (2)]	87.4%	84.6%

A funded ratio of 100% (UAL of \$0) implies that the funding of the plan is on target and that future contributions equal to the normal cost of the active plan members will be sufficient to fully fund all retirement benefits if future experience matches the actuarial assumptions. A funded ratio of less than 100% (positive UAL) implies that in addition to normal costs, payments toward the UAL will be required. Plans with a funded ratio greater than 100% have a negative UAL (or surplus) but are required under current law to continue contributing the normal cost in most cases, preserving the surplus for future contingencies.

Calculations for the funding target reflect the expected long-term investment return of 6.8%. If it were known on the valuation date that future investment returns will average something greater/less than the expected return, calculated normal costs and accrued liabilities provided in this report would be less/greater than the results shown. Therefore, for example, if actual average future returns are less than the expected return, calculated normal costs and UAL contributions will not be sufficient to fully fund all retirement benefits. Under this scenario, required future normal cost contributions will need to increase from those provided in this report, and the plan will develop unfunded liabilities that will also add to required future contributions. For illustrative purposes, funded statuses based on a 1% lower and higher average future investment return (discount rate) are as follows:

	1% Lower Average Return	Current Assumption	1% Higher Average Return
Discount Rate	5.8%	6.8%	7.8%
1. Entry Age Accrued Liability	\$2,258,587	\$1,827,122	\$1,495,272
2. Market Value of Assets (MVA)	1,546,471	1,546,471	1,546,471
3. Unfunded Accrued Liability (UAL) [(1) – (2)]	\$712,116	\$280,651	(\$51,199)
4. Funded Ratio [(2) ÷ (1)]	68.5%	84.6%	103.4%

The [Risk Analysis](#) section of the report provides additional information regarding the sensitivity of valuation results to the expected investment return and other factors. Also provided in that section are measures of funded status that are appropriate for assessing the sufficiency of plan assets to cover estimated termination liabilities.

Additional Employer Contributions

The minimum required employer contribution towards the Unfunded Accrued Liability (UAL) for this rate plan for FY 2025-26 is \$15,524. CalPERS allows agencies to make additional discretionary payments (ADPs) at any time. These optional payments serve to reduce the UAL and future required contributions and can result in significant long-term savings. Agencies can also use ADPs to stabilize annual contributions as a fixed dollar amount, percent of payroll or percent of revenue.

Provided below are select ADP options for consideration. Making such an ADP during FY 2025-26 does not require an ADP be made in any future year, nor does it change the remaining amortization period of any portion of unfunded liability. For information on permanent changes to amortization periods, see [Amortization Schedule and Alternatives](#). Agencies considering making an ADP should contact CalPERS for additional information.

Fiscal Year 2025-26 Employer Contributions — Illustrative Scenarios

Funding Approach	Estimated Normal Cost	Minimum UAL Contribution	ADP ¹	Total UAL Contribution	Estimated Total Contribution
Minimum required only	\$199,756	\$15,524	0	\$15,524	\$215,280
20 year funding horizon	\$199,756	\$15,524	\$12,574	\$28,098	\$227,854
15 year funding horizon	\$199,756	\$15,524	\$17,255	\$32,779	\$232,535
10 year funding horizon	\$199,756	\$15,524	\$27,128	\$42,652	\$242,408
5 year funding horizon	\$199,756	\$15,524	\$57,824	\$73,348	\$273,104

The minimum required contribution above is less than interest on the UAL. With no ADP the UAL is projected to increase over the following year. If the minimum UAL payment were split between interest and principal, the principal portion would be negative. This situation is referred to as **negative amortization**. If only the minimum required contribution is made, contributions are not expected to exceed interest on the UAL until FY **2027-28**, as shown in the [Amortization Schedule and Alternatives](#) section of the report (see columns labeled Current Amortization Schedule).

Fiscal Year 2025-26 Employer Contribution Necessary to Avoid Negative Amortization

Estimated Normal Cost	Minimum UAL Contribution	ADP ¹	Total UAL Contribution	Estimated Total Contribution
\$199,756	\$15,524	\$5,036	\$20,560	\$220,316

¹ The ADP amounts are assumed to be made in the middle of the fiscal year. A payment made earlier or later in the fiscal year would have to be less or more than the amount shown to have the same effect on the UAL amortization.

The calculations above are based on the projected UAL as of June 30, 2025, as determined in the June 30, 2023, actuarial valuation. New unfunded liabilities can emerge in future years due to assumption or method changes, changes in plan provisions, and actuarial experience different than assumed. Making an ADP illustrated above for the indicated number of years will not result in a plan that is exactly 100% funded in the indicated number of years. Valuation results will vary from one year to the next and can diverge significantly from projections over a period of several years.

Additional Discretionary Payment History

The following table provides a recent history of actual ADPs made to the plan.

Fiscal Year	ADP	Fiscal Year	ADP
2019-20	\$0	2022-23	\$0
2020-21	\$0	2023-24 ²	\$0
2021-22	\$0		

² Excludes payments made after April 30, 2024

Projected Employer Contributions

The table below shows the required and projected employer contributions (before cost sharing) for the next six fiscal years. The projection assumes that all actuarial assumptions will be realized and that no further changes to assumptions, contributions, benefits, or funding will occur during the projection period. In particular, the investment return beginning with FY 2023-24 is assumed to be 6.80% per year, net of investment and administrative expenses. Future contribution requirements may differ significantly from those shown below. The actual long-term cost of the plan will depend on the actual benefits and expenses paid and the actual investment experience of the fund.

	Required Contribution	Projected Future Employer Contributions (Assumes 6.80% Return for Fiscal Year 2023-24 and Beyond)				
Fiscal Year	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
	Rate Plan 26684 Results					
Normal Cost%	7.96%	8.0%	8.0%	8.0%	8.0%	8.0%
UAL Payment	\$15,524	\$21,000	\$26,000	\$31,000	\$31,000	\$31,000

For ongoing plans, investment gains and losses are amortized using a 5-year ramp up. For more information, please see Amortization of Unfunded Actuarial Accrued Liability in Appendix A of the Section 2 Report. This method phases in the impact of the change in UAL over a 5-year period in order to reduce employer cost volatility from year to year. As a result of this methodology, dramatic changes in the required employer contributions in any one year are less likely. However, required contributions can change gradually and significantly over the next five years. In years when there is a large investment loss, the relatively small amortization payments during the ramp up period could result in contributions that are less than interest on the UAL (i.e. negative amortization) while the contribution impact of the increase in the UAL is phased in.

The required contribution for FY 2025-26 is less than interest on the UAL, a situation referred to as **negative amortization**, as explained in the [Additional Employer Contributions](#) section earlier in this report. If only the minimum required contribution is made, contributions are not expected to exceed interest on the UAL until FY 2027-28, as shown in the [Amortization Schedule and Alternatives](#) section of the report (see columns labelled "Current Amortization Schedule").

For projected contributions under alternate investment return scenarios, please see the [Future Investment Return Scenarios](#) exhibit. Our online pension plan projection tool, [Pension Outlook](#), is available in the Employers section of the CalPERS website. Pension Outlook can help plan and budget pension costs under various scenarios.

Schedule of Amortization Bases

Below is the schedule of the plan's amortization bases. Note that there is a two-year lag between the valuation date and the start of the contribution year.

- The assets, liabilities and funded status of the plan are measured as of the valuation date: June 30, 2023.
- The required employer contributions determined by the valuation are for the fiscal year beginning two years after the valuation date: FY 2025-26.

This two-year lag is necessary due to the amount of time needed to extract and test the membership and financial data, and the need to provide public agencies with their required employer contribution well in advance of the start of the fiscal year.

The Unfunded Accrued Liability (UAL) is used to determine the employer contribution and therefore must be rolled forward two years from the valuation date to the first day of the fiscal year for which the contribution is being determined. The UAL is rolled forward each year by subtracting the expected payment on the UAL for the fiscal year and adjusting for interest. The expected payment on the UAL for FY 2023-24 is based on the actuarial valuation two years ago, adjusted for additional discretionary payments made on or before April 30, 2024, if necessary, and the expected payment for FY 2024-25 is based on the actuarial valuation one year ago.

Reason for Base	Date Est.	Ramp Level 2025-26	Ramp Shape	Escalation Rate	Amort Period	Balance 6/30/23	Expected Payment 2023-24	Balance 6/30/24	Expected Payment 2024-25	Balance 6/30/25	Minimum Required Payment 2025-26
Non-Investment (Gain)/Loss	6/30/22	No Ramp		0.00%	19	25,095	0	26,801	2,410	26,133	2,410
Partial Fresh Start	6/30/22	40%	Up Only	0.00%	19	217,334	0	232,113	4,989	242,741	9,978
Investment (Gain)/Loss	6/30/23	20%	Up Only	0.00%	20	10,043	0	10,726	0	11,455	246
Non-Investment (Gain)/Loss	6/30/23	No Ramp		0.00%	20	28,179	0	30,095	0	32,141	2,890
Total						280,651	0	299,735	7,399	312,470	15,524

The (gain)/loss bases are the plan's allocated share of the risk pool's (gain)/loss for the fiscal year as disclosed in Allocation of Plan's Share of Pool's Experience earlier in this report. These (gain)/loss bases will be amortized in accordance with the CalPERS amortization policy in effect at the time the base was established.

Amortization Schedule and Alternatives

The amortization schedule on the previous page(s) shows the minimum contributions required according to the CalPERS amortization policy. Many agencies have expressed a desire for a more stable pattern of payments or have indicated interest in paying off the unfunded accrued liabilities more quickly than required. As such, we have provided alternative amortization schedules to help analyze the current amortization schedule and illustrate the potential savings of accelerating unfunded liability payments.

Shown on the following page are future year amortization payments based on 1) the current amortization schedule reflecting the individual bases and remaining periods shown on the previous page, and 2) alternative "fresh start" amortization schedules using two sample periods that would both result in interest savings relative to the current amortization schedule. To initiate a fresh start, please contact a CalPERS actuary.

The current amortization schedule typically contains both positive and negative bases. Positive bases result from plan changes, assumption changes, method changes or plan experience that increase unfunded liability. Negative bases result from plan changes, assumption changes, method changes, or plan experience that decrease unfunded liability. The combination of positive and negative bases within an amortization schedule can result in unusual or problematic circumstances in future years, such as:

- When a negative payment would be required on a positive unfunded actuarial liability; or
- When the payment would completely amortize the total unfunded liability in a very short time period, and results in a large change in the employer contribution requirement.

In any year when one of the above scenarios occurs, the actuary will consider corrective action such as replacing the existing unfunded liability bases with a single "fresh start" base and amortizing it over an appropriate period.

The current amortization schedule on the following page may appear to show that, based on the current amortization bases, one of the above scenarios will occur at some point in the future. It is impossible to know today whether such a scenario will in fact arise since there will be additional bases added to the amortization schedule in each future year. Should such a scenario arise in any future year, the actuary will take appropriate action based on guidelines in the CalPERS [Actuarial Amortization Policy](#).

Amortization Schedule and Alternatives (continued)

Date	Current Amortization Schedule		Alternative Schedules			
	Balance	Payment	20 Year Amortization		15 Year Amortization	
			Balance	Payment	Balance	Payment
6/30/2025	312,470	15,524	312,470	28,098	312,470	32,779
6/30/2026	317,675	20,760	304,680	28,098	299,843	32,779
6/30/2027	317,822	25,996	296,361	28,098	286,357	32,779
6/30/2028	312,568	31,231	287,476	28,099	271,954	32,779
6/30/2029	301,547	31,477	277,986	28,099	256,572	32,779
6/30/2030	289,523	31,477	267,850	28,098	240,144	32,780
6/30/2031	276,682	31,477	257,026	28,098	222,598	32,780
6/30/2032	262,967	31,477	245,466	28,099	203,858	32,779
6/30/2033	248,318	31,477	233,119	28,098	183,845	32,779
6/30/2034	232,673	31,477	219,933	28,098	162,471	32,779
6/30/2035	215,965	31,478	205,851	28,099	139,644	32,780
6/30/2036	198,119	31,477	190,810	28,098	115,264	32,779
6/30/2037	179,061	31,477	174,747	28,098	89,227	32,780
6/30/2038	158,709	31,478	157,592	28,098	61,418	32,779
6/30/2039	136,971	31,479	139,271	28,099	31,719	32,780
6/30/2040	113,754	31,478	119,703	28,099		
6/30/2041	88,960	31,480	98,804	28,098		
6/30/2042	62,476	31,478	76,485	28,099		
6/30/2043	34,194	31,478	52,647	28,098		
6/30/2044	3,989	4,122	27,189	28,098		
6/30/2045						
6/30/2046						
6/30/2047						
6/30/2048						
6/30/2049						
Total		569,798		561,967		491,690
Interest Paid		257,328		249,497		179,220
Estimated Savings				7,831		78,108

Employer Contribution History

The table below provides a recent history of the employer contribution requirements for the plan, as determined by the annual actuarial valuation. Changes due to prepayments or plan amendments after the valuation report was finalized are not reflected.

Valuation Date	Contribution Year	Employer Normal Cost Rate	Unfunded Liability Payment
06/30/2014	2016 - 17	6.555%	\$149
06/30/2015	2017 - 18	6.533%	230
06/30/2016	2018 - 19	6.842%	2,172
06/30/2017	2019 - 20	6.985%	2,438
06/30/2018	2020 - 21	7.732%	6,138
06/30/2019	2021 - 22	7.59%	6,671
06/30/2020	2022 - 23	7.47%	7,772
06/30/2021	2023 - 24	7.68%	0
06/30/2022	2024 - 25	7.87%	7,399
06/30/2023	2025 - 26	7.96%	15,524

Funding History

The table below shows the recent history of the actuarial accrued liability, share of the pool's market value of assets, unfunded accrued liability, funded ratio and annual covered payroll.

Valuation Date	Accrued Liability (AL)	Share of Pool's Market Value of Assets (MVA)	Unfunded Accrued Liability (UAL)	Funded Ratio	Annual Covered Payroll
06/30/2014	\$32,950	\$34,415	(\$1,465)	104.5%	\$219,432
06/30/2015	95,833	91,620	4,213	95.6%	447,122
06/30/2016	204,458	183,981	20,477	90.0%	601,671
06/30/2017	345,872	327,242	18,630	94.6%	883,832
06/30/2018	515,011	471,223	43,788	91.5%	940,133
06/30/2019	707,720	642,900	64,820	90.8%	989,019
06/30/2020	988,167	889,718	98,449	90.0%	1,413,501
06/30/2021	1,389,347	1,445,130	(55,783)	104.0%	1,564,455
06/30/2022	1,671,894	1,461,199	210,695	87.4%	1,521,503
06/30/2023	1,827,122	1,546,471	280,651	84.6%	1,968,806

Risk Analysis

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Future Investment Return Scenarios

Analysis using the investment return scenarios from the Asset Liability Management process completed in 2021 was performed to determine the effects of various future investment returns on required employer contributions. The projections below reflect the impact of the CalPERS [Funding Risk Mitigation Policy](#). The projections also assume that all other actuarial assumptions will be realized and that no further changes in assumptions, contributions, benefits, or funding will occur.

The first table shows projected contribution requirements if the fund were to earn either 3.0% or 10.8% annually. These alternate investment returns were chosen because 90% of long-term average returns are expected to fall between them over the 20-year period ending June 30, 2043.

Assumed Annual Return FY 2023-24 through FY 2042-43	Projected Employer Contributions				
	2026-27	2027-28	2028-29	2029-30	2030-31
3.0% (5th percentile)					
Discount Rate	6.80%	6.80%	6.80%	6.80%	6.80%
Normal Cost Rate	8.0%	8.0%	8.0%	8.0%	8.0%
UAL Contribution	\$22,000	\$30,000	\$40,000	\$46,000	\$54,000
10.8% (95th percentile)					
Discount Rate	6.75%	6.70%	6.65%	6.60%	6.55%
Normal Cost Rate	8.2%	8.4%	8.6%	8.3%	8.5%
UAL Contribution	\$20,000	\$22,000	\$23,000	\$18,000	\$0

Required contributions outside of this range are also possible. In particular, whereas it is unlikely that investment returns will average less than 3.0% or greater than 10.8% over a 20-year period, the likelihood of a single investment return less than 3.0% or greater than 10.8% in any given year is much greater. The following analysis illustrates the effect of an extreme, single year investment return.

The portfolio has an expected volatility (or standard deviation) of 12.0% per year. Accordingly, in any given year there is a 16% probability that the annual return will be -5.2% or less and a 2.5% probability that the annual return will be -17.2% or less. These returns represent one and two standard deviations below the expected return of 6.8%.

The following table shows the effect of one and two standard deviation investment losses in FY 2023-24 on the FY 2026-27 contribution requirements. Note that a single-year investment gain or loss decreases or increases the required UAL contribution amount incrementally for each of the next five years, not just one, due to the 5-year ramp in the amortization policy. However, the contribution requirements beyond the first year are also impacted by investment returns beyond the first year. Historically, significant downturns in the market are often followed by higher than average returns. Such investment gains would offset the impact of these single year negative returns in years beyond FY 2026-27.

Assumed Annual Return for Fiscal Year 2023-24	Required Employer Contributions	Projected Employer Contributions
	2025-26	2026-27
(17.2%) (2 standard deviation loss)		
Discount Rate	6.80%	6.80%
Normal Cost Rate	7.96%	8.0%
UAL Contribution	\$15,524	\$30,000
(5.2%) (1 standard deviation loss)		
Discount Rate	6.80%	6.80%
Normal Cost Rate	7.96%	8.0%
UAL Contribution	\$15,524	\$25,000

- Without investment gains (returns higher than 6.8%) in FY 2024-25 or later, projected contributions rates would continue to rise over the next four years due to the continued phase-in of the impact of the illustrated investment loss in FY 2023-24.
- The Pension Outlook Tool can be used to model projected contributions for these scenarios beyond FY 2026-27 as well as to model other investment return scenarios.

Discount Rate Sensitivity

The discount rate assumption is calculated as the sum of the assumed real rate of return and the assumed annual price inflation, currently 4.5% and 2.3%, respectively. Changing either the price inflation assumption or the real rate of return assumption will change the discount rate. The sensitivity of the valuation results to the discount rate assumption depends on which component of the discount rate is changed. Shown below are various valuation results as of June 30, 2023, assuming alternate discount rates by changing the two components independently. Results are shown using the current discount rate of 6.8% as well as alternate discount rates of 5.8% and 7.8%. The rates of 5.8% and 7.8% were selected since they illustrate the impact of a 1.0% increase or decrease to the 6.8% assumption.

Sensitivity to the Real Rate of Return Assumption

As of June 30, 2023	1% Lower Real Return Rate	Current Assumptions	1% Higher Real Return Rate
Discount Rate	5.8%	6.8%	7.8%
Price Inflation	2.3%	2.3%	2.3%
Real Rate of Return	3.5%	4.5%	5.5%
a) Total Normal Cost	19.65%	15.71%	12.71%
b) Accrued Liability	\$2,258,587	\$1,827,122	\$1,495,272
c) Market Value of Assets	\$1,546,471	\$1,546,471	\$1,546,471
d) Unfunded Liability/(Surplus) [(b) - (c)]	\$712,116	\$280,651	(\$51,199)
e) Funded Ratio	68.5%	84.6%	103.4%

Sensitivity to the Price Inflation Assumption

As of June 30, 2023	1% Lower Price Inflation	Current Assumptions	1% Higher Price Inflation
Discount Rate	5.8%	6.8%	7.8%
Price Inflation	1.3%	2.3%	3.3%
Real Rate of Return	4.5%	4.5%	4.5%
a) Total Normal Cost	16.56%	15.71%	14.29%
b) Accrued Liability	\$1,917,369	\$1,827,122	\$1,659,774
c) Market Value of Assets	\$1,546,471	\$1,546,471	\$1,546,471
d) Unfunded Liability/(Surplus) [(b) - (c)]	\$370,898	\$280,651	\$113,303
e) Funded Ratio	80.7%	84.6%	93.2%

Mortality Rate Sensitivity

The following table looks at the change in the June 30, 2023, plan costs and funded status under two different longevity scenarios, namely assuming rates of post-retirement mortality are 10% lower or 10% higher than our current mortality assumptions adopted in 2021. This type of analysis highlights the impact on the plan of a change in the mortality assumption.

As of June 30, 2023	10% Lower Mortality Rates	Current Assumptions	10% Higher Mortality Rates
a) Total Normal Cost	15.98%	15.71%	15.46%
b) Accrued Liability	\$1,861,899	\$1,827,122	\$1,794,978
c) Market Value of Assets	\$1,546,471	\$1,546,471	\$1,546,471
d) Unfunded Liability/(Surplus) [(b) - (c)]	\$315,428	\$280,651	\$248,507
e) Funded Ratio	83.1%	84.6%	86.2%

Maturity Measures

As pension plans mature they become more sensitive to risks. Understanding plan maturity and how it affects the ability of a pension plan sponsor to tolerate risk is important in understanding how the pension plan is impacted by investment return volatility, other economic variables and changes in longevity or other demographic assumptions.

Since it is the employer that bears the risk, it is appropriate to perform this analysis on a pension plan level considering all rate plans. The following measures are for one rate plan only. One way to look at the maturity level of CalPERS and its plans is to look at the ratio of a plan's retiree liability to its total liability. A pension plan in its infancy will have a very low ratio of retiree liability to total liability. As the plan matures, the ratio increases. A mature plan will often have a ratio above 60%-65%.

Ratio of Retiree Accrued Liability to Total Accrued Liability	June 30, 2022	June 30, 2023
1. Retiree Accrued Liability	\$0	\$0
2. Total Accrued Liability	\$1,671,894	\$1,827,122
3. Ratio of Retiree AL to Total AL [(1) ÷ (2)]	0%	0%

Another measure of the maturity level of CalPERS and its plans is the ratio of actives to retirees, also called the support ratio. A pension plan in its infancy will have a very high ratio of active to retired members. As the plan matures and members retire, the ratio declines. A mature plan will often have a ratio near or below one.

To calculate the support ratio for the rate plan, retirees and beneficiaries receiving a continuance are each counted as one, even though they may have only worked a portion of their careers as an active member of this rate plan. For this reason, the support ratio, while intuitive, may be less informative than the ratio of retiree liability to total accrued liability above.

For comparison, the support ratio for all CalPERS public agency plans as of June 30, 2022, was 0.77 and was calculated consistently with how it is for the individual rate plan. Note that to calculate the support ratio for all public agency plans, a retiree with service from more than one CalPERS agency is counted as a retiree more than once.

Support Ratio	June 30, 2022	June 30, 2023
1. Number of Actives	17	22
2. Number of Retirees	0	0
3. Support Ratio [(1) ÷ (2)]	N/A	N/A

Maturity Measures (continued)

The actuarial calculations supplied in this communication are based on various assumptions about long-term demographic and economic behavior. Unless these assumptions (e.g., terminations, deaths, disabilities, retirements, salary increases, investment return) are exactly realized each year, there will be differences on a year-to-year basis. The year-to-year differences between actual experience and the assumptions are called actuarial gains and losses and serve to lower or raise required employer contributions from one year to the next. Therefore, employer contributions will inevitably fluctuate, especially due to the ups and downs of investment returns.

Asset Volatility Ratio

Shown in the table below is the asset volatility ratio (AVR), which is the ratio of market value of assets to payroll. Plans that have a higher AVR experience more volatile employer contributions (as a percentage of payroll) due to investment return. For example, a plan with an AVR of 8 may experience twice the contribution volatility due to investment return volatility than a plan with an AVR of 4. It should be noted that this ratio is a measure of the current situation. It increases over time but generally tends to stabilize as a plan matures.

Liability Volatility Ratio

Also shown in the table below is the liability volatility ratio (LVR), which is the ratio of accrued liability to payroll. Plans that have a higher LVR experience more volatile employer contributions (as a percentage of payroll) due to changes in liability. For example, a plan with an LVR of 8 is expected to have twice the contribution volatility of a plan with an LVR of 4 when there is a change in accrued liability, such as when there is a change in actuarial assumptions. It should be noted that this ratio indicates a longer-term potential for contribution volatility, since the AVR, described above, will tend to move closer to the LVR as the funded ratio approaches 100%.

Contribution Volatility	June 30, 2022	June 30, 2023
1. Market Value of Assets	\$1,461,199	\$1,546,471
2. Payroll	\$1,521,503	\$1,968,806
3. Asset Volatility Ratio (AVR) [(1) ÷ (2)]	1.0	0.8
4. Accrued Liability	\$1,671,894	\$1,827,122
5. Liability Volatility Ratio (LVR) [(4) ÷ (2)]	1.1	0.9

Maturity Measures History

Valuation Date	Ratio of Retiree Accrued Liability to Total Accrued Liability	Support Ratio	Asset Volatility Ratio	Liability Volatility Ratio
06/30/2017	0%	N/A	0.4	0.4
06/30/2018	0%	N/A	0.5	0.5
06/30/2019	0%	N/A	0.7	0.7
06/30/2020	0%	N/A	0.6	0.7
06/30/2021	0%	N/A	0.9	0.9
06/30/2022	0%	N/A	1.0	1.1
06/30/2023	0%	N/A	0.8	0.9

Funded Status – Termination Basis

The funded status measured on a termination basis is an estimate of the financial position of the plan had the contract with CalPERS been terminated as of June 30, 2023. The accrued liability on a termination basis (termination liability) is calculated differently from the plan’s ongoing funding liability. For the termination liability calculation, both compensation and service are frozen as of the valuation date and no future pay increases or service accruals are assumed. This measure of funded status is not appropriate for assessing the need for future employer contributions in the case of an ongoing plan, that is, for an employer that continues to provide CalPERS retirement benefits to active employees. Unlike the actuarial cost method used for ongoing plans, the termination liability is the present value of the benefits earned through the valuation date.

A more conservative investment policy and asset allocation strategy was adopted by the board for the Terminated Agency Pool. The Terminated Agency Pool has limited funding sources since no future employer contributions will be made. Therefore, expected benefit payments are secured by risk-free assets and benefit security for members is increased while limiting the funding risk. However, this asset allocation has a lower expected rate of return than the remainder of the PERF and consequently, a lower discount rate assumption. The lower discount rate for the Terminated Agency Pool results in higher liabilities for terminated plans.

The discount rate used for actual termination valuations is a weighted average of the 10-year and 30-year Treasury yields where the weights are based on matching asset and liability durations as of the termination date. The discount rates used in the following analysis is based on 20-year Treasury bonds, which is a good proxy for most plans. The discount rate upon contract termination will depend on actual Treasury rates on the date of termination, which varies over time, as shown below.

Valuation Date	20-Year Treasury Rate	Valuation Date	20-Year Treasury Rate
06/30/2014	3.08%	06/30/2019	2.31%
06/30/2015	2.83%	06/30/2020	1.18%
06/30/2016	1.86%	06/30/2021	2.00%
06/30/2017	2.61%	06/30/2022	3.38%
06/30/2018	2.91%	06/30/2023	4.06%

As Treasury rates are variable, the table below shows a range for the termination liability using discount rates 1% below and above the 20-year Treasury rate on the valuation date. The price inflation assumption is the 20-year Treasury breakeven inflation rate, that is, the difference between the 20-year inflation indexed bond and the 20-year fixed-rate bond.

The Market Value of Assets (MVA) also varies with interest rates and will fluctuate depending on other market conditions on the date of termination. Since it is not possible to approximate how the MVA will change in different interest rate environments, the results below use the MVA as of the valuation date.

	Discount Rate: 3.06% Price Inflation: 2.50%	Discount Rate: 5.06% Price Inflation: 2.50%
1. Termination Liability ¹	\$2,754,281	\$1,721,661
2. Market Value of Assets (MVA)	1,546,471	1,546,471
3. Unfunded Termination Liability [(1) – (2)]	\$1,207,810	\$175,190
4. Funded Ratio [(2) ÷ (1)]	56.1%	89.8%

¹ The termination liabilities calculated above include a 5% contingency load. The contingency load and other actuarial assumptions can be found in Appendix A of the Section 2 report.

In order to terminate the plan, first contact our Pension Contract Services unit to initiate a Resolution of Intent to Terminate. The completed Resolution will allow a CalPERS actuary to provide a preliminary termination valuation with a more up-to-date estimate of the plan’s assets and liabilities. Before beginning this process, please consult with a CalPERS actuary.

Funded Status – Low-Default-Risk Basis

Actuarial Standard of Practice (ASOP) No. 4, *Measuring Pension Obligations and Determining Pension Plan Costs or Contributions*, requires the disclosure of a low-default-risk obligation measure (LDROM) of benefit costs accrued as of the valuation date using a discount rate based on the yields of high quality fixed income securities with cash flows that replicate expected benefit payments. Conceptually, this measure represents the level at which financial markets would value the accrued plan costs, and would be approximately equal to the cost of a portfolio of low-default-risk bonds with similar financial characteristics to accrued plan costs.

As permitted in ASOP No. 4, the Actuarial Office uses the Entry Age Actuarial Cost Method to calculate the LDROM. This methodology is in line with the measure of “benefit entitlements” calculated by the Bureau of Economic Analysis and used by the Federal Reserve to report the indebtedness due to pensions of plan sponsors and, conversely, the household wealth due to pensions of plan members.

As shown below, the discount rate used for the LDROM is 4.82%, which is the Standard FTSE Pension Liability Index¹ discount rate as of June 30, 2023, net of assumed administrative expenses.

Selected Measures on a Low-Default-Risk Basis	June 30, 2023
Discount Rate	4.82%
1. Accrued Liability ² – Low-Default-Risk Basis (LDROM)	
a) Active Members	\$2,295,232
b) Transferred Members	470,595
c) Separated Members	45,189
d) Members and Beneficiaries Receiving Payments	0
e) Total	\$2,811,016
2. Market Value of Assets (MVA)	1,546,471
3. Unfunded Accrued Liability – Low-Default-Risk Basis [(1e) – (2)]	\$1,264,545
4. Unfunded Accrued Liability – Funding Policy Basis	280,651
5. Present Value of Unearned Investment Risk Premium [(3) – (4)]	\$983,894

The difference between the unfunded liabilities on a low-default-risk basis and on the funding policy basis represents the present value of the investment risk premium that must be earned in future years to keep future contributions for currently accrued plan costs at the levels anticipated by the funding policy.

Benefit security for members of the plan relies on a combination of the assets in the plan, the investment income generated from those assets, and the ability of the plan sponsor to make necessary future contributions. If future returns fall short of 6.8%, benefit security could be at risk without higher than currently anticipated future contributions.

The funded status on a low-default-risk basis is not appropriate for assessing the sufficiency of plan assets to cover the cost of settling the plan’s benefit obligations (see [Funded Status – Termination Basis](#)), nor is it appropriate for assessing the need for future contributions (see [Funded Status – Funding Policy Basis](#)).

¹ This index is based on a yield curve of hypothetical AA-rated zero coupon corporate bonds whose maturities range from 6 months to 30 years. The index represents the single discount rate that would produce the same present value as discounting a standardized set of liability cash flows for a fully open pension plan using the yield curve. The liability cash flows are reasonably consistent with the pattern of benefits expected to be paid from the entire Public Employees’ Retirement Fund for current and former plan members. A different index, hence a different discount rate, may be needed to measure the LDROM for a subset of the fund, such as a single rate plan or a group of retirees.

² If plan assets were invested entirely in the AA fixed income securities used to determine the discount rate of 4.82%, the CalPERS discount rate could, at various times, be below 4.5% or 5.25%, and some automatic annual retiree COLAs could be suspended (Gov. Code sections 21329 and 21335). Since there is currently no proposal to adopt an asset allocation entirely comprised of fixed income securities, the automatic COLAs have been fully valued in the measures above based on the assumptions used for plan funding. Removing future COLAs from the measurement would understate the statutory obligation.

Summary of Valuation Data

The table below shows a summary of the plan's member data upon which this valuation is based:

	June 30, 2022	June 30, 2023
Active Members		
Counts	17	22
Average Attained Age	41.2	38.5
Average Entry Age to Rate Plan	36.8	34.8
Average Years of Credited Service	4.3	3.6
Average Annual Covered Pay	\$89,500	\$89,491
Annual Covered Payroll	\$1,521,503	\$1,968,806
Present Value of Future Payroll	\$16,430,439	\$21,307,119
Transferred Members	8	9
Separated Members	6	7
Retired Members and Beneficiaries*		
Counts	0	0
Average Annual Benefits	\$0	\$0
Total Annual Benefits	\$0	\$0

Counts of members included in the valuation are counts of the records processed by the valuation. Multiple records may exist for those who have service in more than one valuation group. This does not result in double counting of liabilities.

* Values include community property settlements.

List of Class 1 Benefit Provisions

This plan has the following Class 1 Benefit Provisions:

- None

Plan's Major Benefit Options

Shown below is a summary of the major optional benefits for which the agency has contracted. A description of principal standard and optional plan provisions is in Section 2.

Benefit Group	
Member Category	Misc
Demographics Actives Transfers/Separated Receiving	Yes Yes No
Benefit Provision Benefit Formula Social Security Coverage Full/Modified	2% @ 62 No Full
Employee Contribution Rate	7.75%
Final Average Compensation Period	Three Year
Sick Leave Credit	Yes
Non-Industrial Disability	Standard
Industrial Disability	No
Pre-Retirement Death Benefits Optional Settlement ² 1959 Survivor Benefit Level Special Alternate (firefighters)	Yes Level 4 No No
Post-Retirement Death Benefits Lump Sum Survivor Allowance (PRSA)	\$2,000 No
COLA	2%

Section 2

California Public Employees' Retirement System

Risk Pool Actuarial Valuation Information

[Section 2](#) may be found on the CalPERS website (www.calpers.ca.gov) in the Forms & Publications section



**California Public Employees' Retirement System
Actuarial Office**

400 Q Street, Sacramento, CA 95811 | Phone: (916) 795-3000 | Fax: (916) 795-2744
888 CalPERS (or 888-225-7377) | TTY: (877) 249-7442 | www.calpers.ca.gov

July 2024

**Miscellaneous Plan of the Municipal Water District of Orange County (CalPERS ID: 6497938438)
Annual Valuation Report as of June 30, 2023**

Dear Employer,

Attached to this letter is Section 1 of the June 30, 2023 actuarial valuation report for the rate plan noted above. **Provided in this report is the determination of the minimum required employer contributions for fiscal year (FY) 2025-26.** In addition, the report contains important information regarding the current financial status of the plan as well as projections and risk measures to aid in planning for the future.

Because this plan is in a risk pool, the following valuation report has been separated into two sections:

- Section 1 contains specific information for the plan including the development of the current and projected employer contributions, and
- Section 2 contains the Risk Pool Actuarial Valuation appropriate to the plan as of June 30, 2023.

[Section 2](#) can be found on the CalPERS website (www.calpers.ca.gov). From the home page, go to "Forms & Publications" and select "View All". In the search box, enter "Risk Pool" and from the results list download the Miscellaneous Risk Pool Actuarial Valuation Report for June 30, 2023.

Required Contributions

The table below shows the minimum required employer contributions for FY 2025-26 along with an estimate of the employer contribution requirements for FY 2026-27. Employee contributions other than cost sharing (whether paid by the employer or the employee) are in addition to the results shown below. **The required employer contributions in this report do not reflect any cost sharing arrangement between the agency and the employees.**

Fiscal Year	Employer Normal Cost Rate	Employer Amortization of Unfunded Accrued Liability
2025-26	12.58%	\$327,002
<i>Projected Results</i>		
2026-27	12.6%	\$359,000

The actual investment return for FY 2023-24 was not known at the time this report was prepared. The projections above assume the investment return for that year would be 6.8%. To the extent the actual investment return for FY 2023-24 differs from 6.8%, the actual contribution requirements for FY 2026-27 will differ from those shown above. For additional details regarding the assumptions and methods used for these projections, please refer to [Projected Employer Contributions](#). This section also contains projected required contributions through FY2030-31.

Report Enhancements

A number of enhancements were made to the report this year to ease navigation and allow the reader to find specific information more quickly. The tables of contents are now "clickable." This is true for the main table of contents that follows the title page and the intermediate tables of contents at the beginning of sections. The Adobe navigation pane on the left can also be used to skip to specific exhibits.

There are a number of links throughout the document in blue text. Links that are internal to the document are not underlined, while underlined links will take you to the CalPERS website. Examples are shown below.

Internal Bookmarks

[Required Employer Contributions](#)
[Member Contribution Rates](#)
[Summary of Key Valuation Results](#)
[Funded Status – Funding Policy Basis](#)
[Projected Employer Contributions](#)

CalPERS Website Links

[Required Employer Contribution Search Tool](#)
[Public Agency PEPRAs Member Contribution Rates](#)
[Pension Outlook Overview](#)
[Interactive Summary of Public Agency Valuation Results](#)
[Public Agency Actuarial Valuation Reports](#)

Further descriptions of general changes are included in the [Highlights and Executive Summary](#) section and in Appendix A - Actuarial Methods and Assumptions in Section 2.

Questions

A CalPERS actuary is available to answer questions about this report. Other questions may be directed to the Customer Contact Center at **888 CalPERS** (or **888-225-7377**).

Sincerely,



Kerry J. Worgan, MAAA, FSA, FCIA
Supervising Actuary, CalPERS



Randall Dziubek, ASA, MAAA
Deputy Chief Actuary, Valuation Services, CalPERS



Scott Terando, ASA, EA, MAAA, FCA, CFA
Chief Actuary, CalPERS

California Public Employees' Retirement System

Actuarial Valuation for the Miscellaneous Plan of the Municipal Water District of Orange County as of June 30, 2023

(CalPERS ID: 6497938438)

(Rate Plan ID: 4054)

Required Contributions for Fiscal Year

July 1, 2025 — June 30, 2026

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Section 2 – Risk Pool Actuarial Valuation Information

Section 1

California Public Employees' Retirement System

**Plan Specific Information
for the
Miscellaneous Plan
of the
Municipal Water District of Orange County**

**(CalPERS ID: 6497938438)
(Rate Plan ID: 4054)**

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Actuarial Certification

It is our opinion that the valuation has been performed in accordance with generally accepted actuarial principles as well as the applicable Standards of Practice promulgated by the Actuarial Standards Board. While this report, consisting of Section 1 and Section 2, is intended to be complete, our office is available to answer questions as needed. All of the undersigned are actuaries who satisfy the *Qualification Standards for Actuaries Issuing Statements of Actuarial Opinion in the United States* of the American Academy of Actuaries with regard to pensions.

Actuarial Methods and Assumptions

It is our opinion that the assumptions and methods, as recommended by the Chief Actuary and adopted by the CalPERS Board of Administration, are internally consistent and reasonable for this plan.



Randall Dziubek, ASA, MAAA
Deputy Chief Actuary, Valuation Services, CalPERS



Scott Terando, ASA, EA, MAAA, FCA, CFA
Chief Actuary, CalPERS

Actuarial Data and Rate Plan Results

To the best of my knowledge and having relied upon the attestation above that the actuarial methods and assumptions are reasonable as well as the information in Section 2 of this report, this report is complete and accurate and contains sufficient information to disclose, fully and fairly, the funded condition of the Miscellaneous Plan of the Municipal Water District of Orange County and satisfies the actuarial valuation requirements of Government Code section 7504. This valuation and related validation work was performed by the CalPERS Actuarial Office. The valuation was based on the member and financial data as of June 30, 2023, provided by the various CalPERS databases and the benefits under this plan with CalPERS as of the date this report was produced. Section 1 of this report is based on the member and financial data for Municipal Water District of Orange County, while Section 2 is based on the corresponding information for all agencies participating in the Miscellaneous Risk Pool to which the plan belongs.



Kerry J. Worgan, MAAA, FSA, FCIA
Supervising Actuary, CalPERS

Highlights and Executive Summary

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Introduction

This report presents the results of the June 30, 2023, actuarial valuation of the Miscellaneous Plan of the Municipal Water District of Orange County of the California Public Employees' Retirement System (CalPERS). This actuarial valuation sets the minimum required contributions for fiscal year (FY) 2025-26.

Purpose of Section 1

This Section 1 report for the Miscellaneous Plan of the Municipal Water District of Orange County of CalPERS was prepared by the Actuarial Office using data as of June 30, 2023. The purpose of the valuation is to:

- Set forth the assets and accrued liabilities of this rate plan as of June 30, 2023;
- Determine the minimum required employer contributions for this rate plan for FY July 1, 2025, through June 30, 2026;
- Determine the required member contribution rate for FY July 1, 2025, through June 30, 2026, for employees subject to the California Public Employees' Pension Reform Act of 2013 (PEPRA); and
- Provide actuarial information as of June 30, 2023, to the CalPERS Board of Administration (board) and other interested parties.

The pension funding information presented in this report should not be used in financial reports subject to Governmental Accounting Standards Board (GASB) Statement No. 68 for a Cost Sharing Employer Defined Benefit Pension Plan. A separate accounting valuation report for such purposes is available on the CalPERS website (www.calpers.ca.gov).

The measurements shown in this actuarial valuation may not be applicable for other purposes. The agency should contact a CalPERS actuary before disseminating any portion of this report for any reason that is not explicitly described above.

Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; changes in actuarial policies; changes in plan provisions or applicable law; and differences between the required contributions determined by the valuation and the actual contributions made by the agency.

Assessment and Disclosure of Risk

This report includes the following risk disclosures consistent with the guidance of Actuarial Standards of Practice No. 51 and recommended by the California Actuarial Advisory Panel (CAAP) in the Model Disclosure Elements document:

- A "Scenario Test," projecting future results under different investment income returns.
- A "Sensitivity Analysis," showing the impact on current valuation results using alternative discount rates of 5.8% and 7.8%.
- A "Sensitivity Analysis," showing the impact on current valuation results assuming rates of mortality are 10% lower or 10% higher than our current post-retirement mortality assumptions adopted in 2021.
- Plan maturity measures indicating how sensitive a plan may be to the risks noted above.

Summary of Key Valuation Results

Below is a brief summary of key valuation results along with page references where more detailed information can be found.

Required Employer Contributions — page 8

	Fiscal Year 2024-25	Fiscal Year 2025-26
Employer Normal Cost Rate	12.52%	12.58%
Unfunded Accrued Liability (UAL) Contribution Amount	\$298,193	\$327,002
Paid either as		
Option 1) 12 Monthly Payments of	\$24,849.42	\$27,250.17
Option 2) Annual Prepayment in July	\$288,544	\$316,421

Member Contribution Rates — page 9

	Fiscal Year 2024-25	Fiscal Year 2025-26
Member Contribution Rate	7.00%	7.00%

Projected Employer Contributions — page 14

Fiscal Year	Normal Cost (% of payroll)	Annual UAL Payment
2026-27	12.6%	\$359,000
2027-28	12.6%	\$385,000
2028-29	12.6%	\$447,000
2029-30	12.6%	\$456,000
2030-31	12.6%	\$464,000

Funded Status — Funding Policy Basis — page 12

	June 30, 2022	June 30, 2023
Entry Age Accrued Liability (AL)	\$17,947,370	\$19,523,139
Market Value of Assets (MVA)	13,865,833	14,980,182
Unfunded Accrued Liability (UAL) [AL – MVA]	\$4,081,537	\$4,542,957
Funded Ratio [MVA ÷ AL]	77.3%	76.7%

Summary of Valuation Data — Page 27

	June 30, 2022	June 30, 2023
Active Member Count	18	16
Annual Covered Payroll	\$2,528,106	\$2,456,620
Transferred Member Count	11	11
Separated Member Count	15	16
Retired Members and Beneficiaries Count	16	17

Changes Since the Prior Year's Valuation

Benefits

The standard actuarial practice at CalPERS is to recognize mandated legislative benefit changes in the first annual valuation following the effective date of the legislation. For pooled rate plans, voluntary benefit changes by plan amendment are generally included in the first valuation with a valuation date on or after the effective date of the amendment.

Please refer to the [Plan's Major Benefit Options](#) in this report and Appendix B of the Section 2 Report for a summary of the plan provisions used in this valuation.

Actuarial Methods and Assumptions

There are no significant changes to the actuarial methods or assumptions for the June 30, 2023, actuarial valuation.

New Disclosure Items

In December 2021, the Actuarial Standards Board issued a revision of Actuarial Standard of Practice No. 4 (ASOP 4) requiring actuaries to disclose a low-default-risk obligation measure (LDROM) of the benefits earned. This information is shown in a new exhibit, [Funded Status – Low-Default-Risk Basis](#).

Subsequent Events

This actuarial valuation report reflects fund investment return through June 30, 2023, as well as statutory changes, regulatory changes and board actions through January 2024.

During the time period between the valuation date and the publication of this report, inflation has been higher than the expected inflation of 2.3% per annum. Since inflation influences cost-of-living increases for retirees and beneficiaries and active member pay increases, higher inflation is likely to put at least some upward pressure on contribution requirements and downward pressure on the funded status in the June 30, 2024, valuation. The actual impact of higher inflation on future valuation results will depend on, among other factors, how long higher inflation persists.

The 2023 annual benefit limit under Internal Revenue Code (IRC) section 415(b) and annual compensation limits under IRC section 401(a)(17) and Government Code section 7522.10 were used for this valuation and are assumed to increase 2.3% per year based on the price inflation assumption. The actual 2024 limits, determined in October 2023, are not reflected.

On April 16, 2024, the board took action to modify the Funding Risk Mitigation Policy to remove the automatic change to the discount rate when the investment return exceeds various thresholds. Rather than an automatic change to the discount rate, a board discussion would be placed on the calendar. The 95th percentile return in the [Future Investment Return Scenarios](#) exhibit in this report has not been modified and still reflects the projected contribution requirements associated with a reduction in the discount rate.

To the best of our knowledge, there have been no other subsequent events that could materially affect current or future certifications rendered in this report.

Liabilities and Contributions

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Determination of Required Contributions

Contributions to fund the plan are determined by an actuarial valuation performed each year. The valuation employs complex calculations based on a set of actuarial assumptions and methods. See Appendix A in Section 2 for information on the assumptions and methods used in this valuation. The valuation incorporates all plan experience through the valuation date and sets required contributions for the fiscal year that begins two years after the valuation date.

Contribution Components

Two components comprise required contributions:

- Normal Cost — expressed as a percentage of pensionable payroll
- Unfunded Accrued Liability (UAL) Contribution — expressed as a dollar amount

Normal Cost represents the value of benefits allocated to the upcoming year for active employees. If all plan experience exactly matched the actuarial assumptions, normal cost would be sufficient to fully fund all benefits. The employer and employees each pay a share of the normal cost with contributions payable as part of the regular payroll reporting process. The contribution rate for Classic members is set by statute based on benefit formula whereas for PEPRAs members it is based on 50% of the total normal cost.

When plan experience differs from the actuarial assumptions, unfunded accrued liability (UAL) emerges. The new UAL may be positive or negative. If the total UAL is positive (i.e., accrued liability exceeds assets), the employer is required to make contributions to pay off the UAL over time. This is called the Unfunded Accrued Liability Contribution component. There is an option to prepay this amount during July of each fiscal year, otherwise it is paid monthly.

In measuring the UAL each year, plan experience is split by source. Common sources of UAL include investment experience different than expected, non-investment experience different than expected, assumption changes and benefit changes. Each source of UAL (positive or negative) forms a base that is amortized, or paid off, over a specified period of time in accordance with the CalPERS [Actuarial Amortization Policy](#). The Unfunded Accrued Liability Contribution is the sum of the payments on all bases. See the [Schedule of Amortization Bases](#) section of this report for an inventory of existing bases and Appendix A in Section 2 for more information on the amortization policy.

Required Employer Contributions

The required employer contributions in this report do not reflect any cost sharing arrangement between the agency and the employees.

Required Employer Contributions	Fiscal Year 2025-26
Employer Normal Cost Rate	12.58%
<i>Plus</i>	
Unfunded Accrued Liability (UAL) Contribution Amount¹	\$327,002
<i>Paid either as</i>	
1) Monthly Payment	\$27,250.17
<i>Or</i>	
2) Annual Prepayment Option*	\$316,421

The total minimum required employer contribution is the sum of the Plan's Employer Normal Cost Rate (expressed as a percentage of payroll and paid as payroll is reported) and the Unfunded Accrued Liability (UAL) Contribution Amount (billed monthly(1) or prepaid annually(2) in dollars).

* Only the UAL portion of the employer contribution can be prepaid (**which must be received in full no later than July 31**).

For [Member Contribution Rates](#) see the following page.

Development of Normal Cost as a Percentage of Payroll	Fiscal Year 2024-25	Fiscal Year 2025-26
Base Total Normal Cost for Formula	18.81%	18.87%
Surcharge for Class 1 Benefits ²		
a) FAC 1	0.64%	0.64%
Plan's Total Normal Cost	19.45%	19.51%
Offset Due to Employee Contributions ³	6.93%	6.93%
Employer Normal Cost	12.52%	12.58%

¹ The required payment on amortization bases does not take into account any additional discretionary payment made after April 30, 2024.

² Section 2 of this report contains a list of Class 1 benefits and corresponding surcharges.

³ This is the expected employee contributions, taking into account individual benefit formula and any offset from the use of a modified formula, divided by projected annual payroll. For member contribution rates above the breakpoint for each benefit formula, see [Member Contribution Rates](#).

Member Contribution Rates

The required member contributions in this report do not reflect any cost sharing arrangement between the agency and the employees.

Each member contributes toward their retirement based upon the retirement formula. The standard Classic member contribution rate above the breakpoint, if any, is as described below.

Benefit Formula	Percent Contributed above the Breakpoint
Miscellaneous, 1.5% at age 65	2%
Miscellaneous, 2% at age 60	7%
Miscellaneous, 2% at age 55	7%
Miscellaneous, 2.5% at age 55	8%
Miscellaneous, 2.7% at age 55	8%
Miscellaneous, 3% at age 60	8%

Auxiliary organizations of the CSU system may elect reduced contribution rates for Miscellaneous members, in which case the contribution rate above the breakpoint is 6% if members are not covered by Social Security and 5% if they are.

Other Pooled Miscellaneous Risk Pool Rate Plans

All of the results presented in this Section 1 report, except those shown on this page, correspond to rate plan 4054. In many cases, employers have additional rate plans within the same risk pool. For cost analysis and budgeting it is useful to consider contributions for these rate plans as a whole rather than individually. The estimated contribution amounts and rates for all of the employer's rate plans in the Miscellaneous Risk Pool are shown below and assume that the total employer payroll within the Miscellaneous Risk Pool will grow according to the overall payroll growth assumption of 2.80% per year for three years. Classic members who are projected to terminate employment are assumed to be replaced by PEPRA members.

Estimated Employer Contributions for all Pooled Miscellaneous Rate Plans	Fiscal Year	Fiscal Year
	2024-25	2025-26
Projected Payroll for the Contribution Year	\$4,399,390	\$4,807,667
Estimated Employer Normal Cost	\$455,383	\$488,866
Required Payment on Amortization Bases	\$305,592	\$342,526
Estimated Total Employer Contributions	\$760,975	\$831,392
Estimated Total Employer Contribution Rate (illustrative only)	17.30%	17.29%

Breakdown of Entry Age Accrued Liability

Active Members	\$9,000,250
Transferred Members	1,520,683
Separated Members	1,162,979
Members and Beneficiaries Receiving Payments	<u>7,839,227</u>
Total	\$19,523,139

Allocation of Plan's Share of Pool's Experience

It is the policy of CalPERS to ensure equity within the risk pools by allocating the pool's experience gains/losses and assumption changes in a manner that treats each employer equitably and maintains benefit security for the members of the System while minimizing substantial variations in employer contributions. The pool's experience gains/losses and impact of assumption/method changes is allocated to the plan as follows:

1. Plan's Accrued Liability	\$19,523,139
2. Projected UAL Balance at 6/30/2023	4,144,392
3. Other UAL Adjustments (Golden Handshake, Prior Service Purchase, etc.)	0
4. Adjusted UAL Balance at 6/30/2023 for Asset Share	4,144,392
5. Pool's Accrued Liability ¹	23,349,910,053
6. Sum of Pool's Individual Plan UAL Balances at 6/30/2023 ¹	5,227,602,209
7. Pool's 2022-23 Investment (Gain)/Loss ¹	114,855,623
8. Pool's 2022-23 Non-Investment (Gain)/Loss ¹	360,116,330
9. Plan's Share of Pool's Investment (Gain)/Loss: $[(1) - (4)] \div [(5) - (6)] \times (7)$	97,467
10. Plan's Share of Pool's Non-Investment (Gain)/Loss: $(1) \div (5) \times (8)$	301,098
11. Plan's New (Gain)/Loss as of 6/30/2023: $(9) + (10)$	398,565
12. Increase in Pool's Accrued Liability due to Change in Assumptions ¹	0
13. Plan's Share of Pool's Change in Assumptions: $(1) \div (5) \times (12)$	0
14. Increase in Pool's Accrued Liability due to Funding Risk Mitigation ¹	0
15. Plan's Share of Pool's Change due to Funding Risk Mitigation: $(1) \div (5) \times (14)$	0
16. Offset due to Funding Risk Mitigation	0
17. Plan's Investment (Gain)/Loss: $(9) - (16)$	97,467

¹ Does not include plans that transferred to the pool on the valuation date.

Development of the Plan's Share of Pool's Assets

18. Plan's UAL: $(2) + (3) + (11) + (13) + (15)$	\$4,542,957
19. Plan's Share of Pool's Market Value of Assets (MVA): $(1) - (18)$	\$14,980,182

For a reconciliation of the pool's Market Value of Assets (MVA), information on the fund's asset allocation and a history of CalPERS investment returns, see [Section 2](#), which can be found on the CalPERS website (www.calpers.ca.gov).

Funded Status – Funding Policy Basis

The table below provides information on the current funded status of the plan under the funding policy. The funded status for this purpose is based on the market value of assets relative to the funding target produced by the entry age actuarial cost method and actuarial assumptions adopted by the board. The actuarial cost method allocates the total expected cost of a member's projected benefit (Present Value of Benefits) to individual years of service (the Normal Cost). The value of the projected benefit that is not allocated to future service is referred to as the Accrued Liability and is the plan's funding target on the valuation date. The Unfunded Accrued Liability (UAL) equals the funding target minus the assets. The UAL is an absolute measure of funded status and can be viewed as employer debt. The funded ratio equals the assets divided by the funding target. The funded ratio is a relative measure of the funded status and allows for comparisons between plans of different sizes.

	June 30, 2022	June 30, 2023
1. Present Value of Benefits	\$21,827,729	\$23,191,694
2. Entry Age Accrued Liability	17,947,370	19,523,139
3. Market Value of Assets (MVA)	13,865,833	14,980,182
4. Unfunded Accrued Liability (UAL) [(2) – (3)]	\$4,081,537	\$4,542,957
5. Funded Ratio [(3) ÷ (2)]	77.3%	76.7%

A funded ratio of 100% (UAL of \$0) implies that the funding of the plan is on target and that future contributions equal to the normal cost of the active plan members will be sufficient to fully fund all retirement benefits if future experience matches the actuarial assumptions. A funded ratio of less than 100% (positive UAL) implies that in addition to normal costs, payments toward the UAL will be required. Plans with a funded ratio greater than 100% have a negative UAL (or surplus) but are required under current law to continue contributing the normal cost in most cases, preserving the surplus for future contingencies.

Calculations for the funding target reflect the expected long-term investment return of 6.8%. If it were known on the valuation date that future investment returns will average something greater/less than the expected return, calculated normal costs and accrued liabilities provided in this report would be less/greater than the results shown. Therefore, for example, if actual average future returns are less than the expected return, calculated normal costs and UAL contributions will not be sufficient to fully fund all retirement benefits. Under this scenario, required future normal cost contributions will need to increase from those provided in this report, and the plan will develop unfunded liabilities that will also add to required future contributions. For illustrative purposes, funded statuses based on a 1% lower and higher average future investment return (discount rate) are as follows:

	1% Lower Average Return	Current Assumption	1% Higher Average Return
Discount Rate	5.8%	6.8%	7.8%
1. Entry Age Accrued Liability	\$22,277,747	\$19,523,139	\$17,262,018
2. Market Value of Assets (MVA)	14,980,182	14,980,182	14,980,182
3. Unfunded Accrued Liability (UAL) [(1) – (2)]	\$7,297,565	\$4,542,957	\$2,281,836
4. Funded Ratio [(2) ÷ (1)]	67.2%	76.7%	86.8%

The [Risk Analysis](#) section of the report provides additional information regarding the sensitivity of valuation results to the expected investment return and other factors. Also provided in that section are measures of funded status that are appropriate for assessing the sufficiency of plan assets to cover estimated termination liabilities.

Additional Employer Contributions

The minimum required employer contribution towards the Unfunded Accrued Liability (UAL) for this rate plan for FY 2025-26 is \$327,002. CalPERS allows agencies to make additional discretionary payments (ADPs) at any time. These optional payments serve to reduce the UAL and future required contributions and can result in significant long-term savings. Agencies can also use ADPs to stabilize annual contributions as a fixed dollar amount, percent of payroll or percent of revenue.

Provided below are select ADP options for consideration. Making such an ADP during FY 2025-26 does not require an ADP be made in any future year, nor does it change the remaining amortization period of any portion of unfunded liability. For information on permanent changes to amortization periods, see [Amortization Schedule and Alternatives](#). Agencies considering making an ADP should contact CalPERS for additional information.

Fiscal Year 2025-26 Employer Contributions — Illustrative Scenarios

Funding Approach	Estimated Normal Cost	Minimum UAL Contribution	ADP ¹	Total UAL Contribution	Estimated Total Contribution
Minimum required only	\$289,110	\$327,002	0	\$327,002	\$616,112
20 year funding horizon	\$289,110	\$327,002	\$41,963	\$368,965	\$658,075
15 year funding horizon	\$289,110	\$327,002	\$103,428	\$430,430	\$719,540
10 year funding horizon	\$289,110	\$327,002	\$233,068	\$560,070	\$849,180
5 year funding horizon	\$289,110	\$327,002	\$636,144	\$963,146	\$1,252,256

¹ The ADP amounts are assumed to be made in the middle of the fiscal year. A payment made earlier or later in the fiscal year would have to be less or more than the amount shown to have the same effect on the UAL amortization.

The calculations above are based on the projected UAL as of June 30, 2025, as determined in the June 30, 2023, actuarial valuation. New unfunded liabilities can emerge in future years due to assumption or method changes, changes in plan provisions, and actuarial experience different than assumed. Making an ADP illustrated above for the indicated number of years will not result in a plan that is exactly 100% funded in the indicated number of years. Valuation results will vary from one year to the next and can diverge significantly from projections over a period of several years.

Additional Discretionary Payment History

The following table provides a recent history of actual ADPs made to the plan.

Fiscal Year	ADP	Fiscal Year	ADP
2019-20	\$0	2022-23	\$0
2020-21	\$0	2023-24 ²	\$500,000
2021-22	\$0		

² Excludes payments made after April 30, 2024

Projected Employer Contributions

The table below shows the required and projected employer contributions (before cost sharing) for the next six fiscal years. The projection assumes that all actuarial assumptions will be realized and that no further changes to assumptions, contributions, benefits, or funding will occur during the projection period. In particular, the investment return beginning with FY 2023-24 is assumed to be 6.80% per year, net of investment and administrative expenses. Future contribution requirements may differ significantly from those shown below. The actual long-term cost of the plan will depend on the actual benefits and expenses paid and the actual investment experience of the fund.

	Required Contribution	Projected Future Employer Contributions (Assumes 6.80% Return for Fiscal Year 2023-24 and Beyond)				
Fiscal Year	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
	Rate Plan 4054 Results					
Normal Cost%	12.58%	12.6%	12.6%	12.6%	12.6%	12.6%
UAL Payment	\$327,002	\$359,000	\$385,000	\$447,000	\$456,000	\$464,000

For ongoing plans, investment gains and losses are amortized using a 5-year ramp up. For more information, please see Amortization of Unfunded Actuarial Accrued Liability in Appendix A of the Section 2 Report. This method phases in the impact of the change in UAL over a 5-year period in order to reduce employer cost volatility from year to year. As a result of this methodology, dramatic changes in the required employer contributions in any one year are less likely. However, required contributions can change gradually and significantly over the next five years. In years when there is a large investment loss, the relatively small amortization payments during the ramp up period could result in contributions that are less than interest on the UAL (i.e. negative amortization) while the contribution impact of the increase in the UAL is phased in.

For projected contributions under alternate investment return scenarios, please see the [Future Investment Return Scenarios](#) exhibit. Our online pension plan projection tool, [Pension Outlook](#), is available in the Employers section of the CalPERS website. Pension Outlook can help plan and budget pension costs under various scenarios.

Schedule of Amortization Bases

Below is the schedule of the plan's amortization bases. Note that there is a two-year lag between the valuation date and the start of the contribution year.

- The assets, liabilities and funded status of the plan are measured as of the valuation date: June 30, 2023.
- The required employer contributions determined by the valuation are for the fiscal year beginning two years after the valuation date: FY 2025-26.

This two-year lag is necessary due to the amount of time needed to extract and test the membership and financial data, and the need to provide public agencies with their required employer contribution well in advance of the start of the fiscal year.

The Unfunded Accrued Liability (UAL) is used to determine the employer contribution and therefore must be rolled forward two years from the valuation date to the first day of the fiscal year for which the contribution is being determined. The UAL is rolled forward each year by subtracting the expected payment on the UAL for the fiscal year and adjusting for interest. The expected payment on the UAL for FY 2023-24 is based on the actuarial valuation two years ago, adjusted for additional discretionary payments made on or before April 30, 2024, if necessary, and the expected payment for FY 2024-25 is based on the actuarial valuation one year ago.

Reason for Base	Date Est.	Ramp Level 2025-26	Ramp Shape	Escalation Rate	Amort Period	Balance 6/30/23	Expected Payment 2023-24	Balance 6/30/24	Expected Payment 2024-25	Balance 6/30/25	Minimum Required Payment 2025-26
Investment (Gain)/Loss	6/30/13	100%	Up/Dn	2.80%	20	976,737	70,894	959,890	72,879	960,526	74,919
Non-Investment (Gain)/Loss	6/30/13	100%	Up/Dn	2.80%	20	(9,390)	(682)	(9,324)	(701)	(9,234)	(720)
Share of Pre-2013 Pool UAL	6/30/13	No Ramp		2.80%	12	514,683	48,120	499,952	49,467	482,828	50,853
Assumption Change	6/30/14	100%	Up/Dn	2.80%	11	438,160	49,599	416,697	50,988	392,339	52,415
Investment (Gain)/Loss	6/30/14	100%	Up/Dn	2.80%	21	(811,765)	(57,050)	(808,007)	(58,647)	(802,343)	(60,289)
Non-Investment (Gain)/Loss	6/30/14	100%	Up/Dn	2.80%	21	861	61	857	62	851	64
Investment (Gain)/Loss	6/30/15	100%	Up/Dn	2.80%	22	512,840	34,973	511,571	35,952	509,204	36,959
Non-Investment (Gain)/Loss	6/30/15	100%	Up/Dn	2.80%	22	(40,209)	(2,742)	(40,110)	(2,819)	(39,924)	(2,898)
Assumption Change	6/30/16	100%	Up/Dn	2.80%	13	200,773	19,910	193,850	20,468	185,879	21,041
Investment (Gain)/Loss	6/30/16	100%	Up/Dn	2.80%	23	696,473	545,851	179,728	12,257	179,283	12,600
Non-Investment (Gain)/Loss	6/30/16	100%	Up/Dn	2.80%	23	(82,153)	(5,447)	(82,110)	(5,600)	(81,906)	(5,756)
Assumption Change	6/30/17	100%	Up/Dn	2.80%	14	263,848	24,719	256,244	25,412	247,407	26,123
Investment (Gain)/Loss	6/30/17	100%	Up/Dn	2.80%	24	(393,162)	(25,390)	(393,658)	(26,101)	(393,453)	(26,832)
Non-Investment (Gain)/Loss	6/30/17	100%	Up/Dn	2.80%	24	(19,165)	(1,238)	(19,189)	(1,272)	(19,179)	(1,308)
Assumption Change	6/30/18	100%	Up/Dn	2.80%	15	446,916	32,361	443,863	41,585	431,070	42,749
Investment (Gain)/Loss	6/30/18	100%	Up/Dn	2.80%	25	(131,156)	(6,692)	(133,159)	(8,599)	(133,327)	(8,840)
Method Change	6/30/18	100%	Up/Dn	2.80%	15	118,406	8,574	117,597	11,017	114,208	11,326
Non-Investment (Gain)/Loss	6/30/18	100%	Up/Dn	2.80%	25	61,311	3,128	62,248	4,020	62,326	4,132
Investment (Gain)/Loss	6/30/19	100%	Up Only	0.00%	16	63,796	3,836	64,170	5,114	63,249	6,393
Non-Investment (Gain)/Loss	6/30/19	No Ramp		0.00%	16	56,078	5,317	54,396	5,317	52,600	5,317

Schedule of Amortization Bases (continued)

Reason for Base	Date Est.	Ramp Level 2025-26	Ramp Shape	Escalation Rate	Amort. Period	Balance 6/30/23	Expected Payment 2023-24	Balance 6/30/24	Expected Payment 2024-25	Balance 6/30/25	Minimum Required Payment 2025-26
Investment (Gain)/Loss	6/30/20	80%	Up Only	0.00%	17	319,121	13,118	327,265	19,677	329,184	26,236
Non-Investment (Gain)/Loss	6/30/20	No Ramp	No Ramp	0.00%	17	50,549	4,662	49,168	4,662	47,694	4,662
Assumption Change	6/30/21	No Ramp	No Ramp	0.00%	18	97,238	8,744	94,814	8,744	92,225	8,744
Net Investment (Gain)	6/30/21	60%	Up Only	0.00%	18	(1,704,045)	(36,628)	(1,782,067)	(73,256)	(1,827,542)	(109,884)
Non-Investment (Gain)/Loss	6/30/21	No Ramp	No Ramp	0.00%	18	(76,607)	(6,889)	(74,697)	(6,889)	(72,657)	(6,889)
Risk Mitigation	6/30/21	No Ramp	No Ramp	0.00%	0	494,045	510,566	0	0	0	0
Risk Mitigation Offset	6/30/21	No Ramp	No Ramp	0.00%	0	(494,045)	(510,566)	0	0	0	0
Investment (Gain)/Loss	6/30/22	40%	Up Only	0.00%	19	2,324,872	0	2,482,963	53,371	2,596,649	106,741
Non-Investment (Gain)/Loss	6/30/22	No Ramp	No Ramp	0.00%	19	269,382	0	287,700	25,871	280,527	25,871
Investment (Gain)/Loss	6/30/23	20%	Up Only	0.00%	20	97,467	0	104,095	0	111,173	2,390
Non-Investment (Gain)/Loss	6/30/23	No Ramp	No Ramp	0.00%	20	301,098	0	321,573	0	343,440	30,883
Total						4,542,957	731,109	4,096,320	262,979	4,103,097	327,002

The (gain)/loss bases are the plan's allocated share of the risk pool's (gain)/loss for the fiscal year as disclosed in Allocation of Plan's Share of Pool's Experience earlier in this report. These (gain)/loss bases will be amortized in accordance with the CalPERS amortization policy in effect at the time the base was established.

Amortization Schedule and Alternatives

The amortization schedule on the previous page(s) shows the minimum contributions required according to the CalPERS amortization policy. Many agencies have expressed a desire for a more stable pattern of payments or have indicated interest in paying off the unfunded accrued liabilities more quickly than required. As such, we have provided alternative amortization schedules to help analyze the current amortization schedule and illustrate the potential savings of accelerating unfunded liability payments.

Shown on the following page are future year amortization payments based on 1) the current amortization schedule reflecting the individual bases and remaining periods shown on the previous page, and 2) alternative "fresh start" amortization schedules using two sample periods that would both result in interest savings relative to the current amortization schedule. To initiate a fresh start, please contact a CalPERS actuary.

The current amortization schedule typically contains both positive and negative bases. Positive bases result from plan changes, assumption changes, method changes or plan experience that increase unfunded liability. Negative bases result from plan changes, assumption changes, method changes, or plan experience that decrease unfunded liability. The combination of positive and negative bases within an amortization schedule can result in unusual or problematic circumstances in future years, such as:

- When a negative payment would be required on a positive unfunded actuarial liability; or
- When the payment would completely amortize the total unfunded liability in a very short time period, and results in a large change in the employer contribution requirement.

In any year when one of the above scenarios occurs, the actuary will consider corrective action such as replacing the existing unfunded liability bases with a single "fresh start" base and amortizing it over an appropriate period.

The current amortization schedule on the following page may appear to show that, based on the current amortization bases, one of the above scenarios will occur at some point in the future. It is impossible to know today whether such a scenario will in fact arise since there will be additional bases added to the amortization schedule in each future year. Should such a scenario arise in any future year, the actuary will take appropriate action based on guidelines in the CalPERS [Actuarial Amortization Policy](#).

Amortization Schedule and Alternatives (continued)

Date	Current Amortization Schedule		Alternative Schedules			
	Balance	Payment	15 Year Amortization		10 Year Amortization	
			Balance	Payment	Balance	Payment
6/30/2025	4,103,097	327,002	4,103,097	430,430	4,103,097	560,070
6/30/2026	4,044,170	359,038	3,937,284	430,430	3,803,308	560,070
6/30/2027	3,948,130	384,690	3,760,195	430,430	3,483,134	560,070
6/30/2028	3,819,046	447,152	3,571,064	430,430	3,141,188	560,071
6/30/2029	3,616,638	456,437	3,369,072	430,430	2,775,989	560,071
6/30/2030	3,390,869	463,516	3,153,345	430,430	2,385,956	560,070
6/30/2031	3,142,430	470,800	2,922,949	430,430	1,969,402	560,071
6/30/2032	2,869,571	465,566	2,676,886	430,430	1,524,521	560,071
6/30/2033	2,583,564	459,833	2,414,090	430,430	1,049,388	560,070
6/30/2034	2,284,038	448,176	2,133,424	430,430	541,947	560,070
6/30/2035	1,976,189	428,777	1,833,673	430,430		
6/30/2036	1,667,454	393,450	1,513,539	430,430		
6/30/2037	1,374,235	299,734	1,171,636	430,429		
6/30/2038	1,157,926	273,439	806,484	430,430		
6/30/2039	954,083	251,790	416,501	430,429		
6/30/2040	758,749	236,779				
6/30/2041	565,648	202,918				
6/30/2042	394,409	161,307				
6/30/2043	254,528	263,040				
6/30/2044						
6/30/2045						
6/30/2046						
6/30/2047						
6/30/2048						
6/30/2049						
Total		6,793,444		6,456,448		5,600,704
Interest Paid		2,690,347		2,353,351		1,497,607
Estimated Savings				336,996		1,192,740

Employer Contribution History

The table below provides a recent history of the employer contribution requirements for the plan, as determined by the annual actuarial valuation. Changes due to prepayments or plan amendments after the valuation report was finalized are not reflected.

Valuation Date	Contribution Year	Employer Normal Cost Rate	Unfunded Liability Payment
06/30/2014	2016 - 17	8.880%	\$64,364
06/30/2015	2017 - 18	8.921%	83,180
06/30/2016	2018 - 19	9.409%	112,790
06/30/2017	2019 - 20	10.221%	144,402
06/30/2018	2020 - 21	11.031%	170,837
06/30/2019	2021 - 22	10.88%	208,891
06/30/2020	2022 - 23	10.87%	248,117
06/30/2021	2023 - 24	12.47%	231,436
06/30/2022	2024 - 25	12.52%	298,193
06/30/2023	2025 - 26	12.58%	327,002

Funding History

The table below shows the recent history of the actuarial accrued liability, share of the pool's market value of assets, unfunded accrued liability, funded ratio and annual covered payroll.

Valuation Date	Accrued Liability (AL)	Share of Pool's Market Value of Assets (MVA)	Unfunded Accrued Liability (UAL)	Funded Ratio	Annual Covered Payroll
06/30/2014	\$8,295,329	\$7,150,851	\$1,144,478	86.2%	\$2,274,325
06/30/2015	8,587,815	7,077,429	1,510,386	82.4%	2,090,151
06/30/2016	9,638,398	7,445,211	2,193,187	77.2%	2,170,501
06/30/2017	10,883,341	8,720,332	2,163,009	80.1%	2,346,800
06/30/2018	12,474,635	9,849,234	2,625,401	79.0%	2,352,803
06/30/2019	13,422,370	10,589,127	2,833,243	78.9%	2,481,377
06/30/2020	14,522,790	11,309,200	3,213,590	77.9%	2,660,274
06/30/2021	16,610,967	14,899,590	1,711,377	89.7%	2,565,921
06/30/2022	17,947,370	13,865,833	4,081,537	77.3%	2,528,106
06/30/2023	19,523,139	14,980,182	4,542,957	76.7%	2,456,620

Risk Analysis

- **Future Investment Return Scenarios** 21
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Future Investment Return Scenarios

Analysis using the investment return scenarios from the Asset Liability Management process completed in 2021 was performed to determine the effects of various future investment returns on required employer contributions. The projections below reflect the impact of the CalPERS [Funding Risk Mitigation Policy](#). The projections also assume that all other actuarial assumptions will be realized and that no further changes in assumptions, contributions, benefits, or funding will occur.

The first table shows projected contribution requirements if the fund were to earn either 3.0% or 10.8% annually. These alternate investment returns were chosen because 90% of long-term average returns are expected to fall between them over the 20-year period ending June 30, 2043.

Assumed Annual Return FY 2023-24 through FY 2042-43	Projected Employer Contributions				
	2026-27	2027-28	2028-29	2029-30	2030-31
3.0% (5th percentile)					
Discount Rate	6.80%	6.80%	6.80%	6.80%	6.80%
Normal Cost Rate	12.6%	12.6%	12.6%	12.6%	12.6%
UAL Contribution	\$373,000	\$427,000	\$532,000	\$599,000	\$679,000
10.8% (95th percentile)					
Discount Rate	6.75%	6.70%	6.65%	6.60%	6.55%
Normal Cost Rate	12.8%	13.1%	13.3%	13.6%	13.8%
UAL Contribution	\$347,000	\$347,000	\$369,000	\$323,000	\$0

Required contributions outside of this range are also possible. In particular, whereas it is unlikely that investment returns will average less than 3.0% or greater than 10.8% over a 20-year period, the likelihood of a single investment return less than 3.0% or greater than 10.8% in any given year is much greater. The following analysis illustrates the effect of an extreme, single year investment return.

The portfolio has an expected volatility (or standard deviation) of 12.0% per year. Accordingly, in any given year there is a 16% probability that the annual return will be -5.2% or less and a 2.5% probability that the annual return will be -17.2% or less. These returns represent one and two standard deviations below the expected return of 6.8%.

The following table shows the effect of one and two standard deviation investment losses in FY 2023-24 on the FY 2026-27 contribution requirements. Note that a single-year investment gain or loss decreases or increases the required UAL contribution amount incrementally for each of the next five years, not just one, due to the 5-year ramp in the amortization policy. However, the contribution requirements beyond the first year are also impacted by investment returns beyond the first year. Historically, significant downturns in the market are often followed by higher than average returns. Such investment gains would offset the impact of these single year negative returns in years beyond FY 2026-27.

Assumed Annual Return for Fiscal Year 2023-24	Required Employer Contributions	Projected Employer Contributions
	2025-26	2026-27
(17.2%) (2 standard deviation loss)		
Discount Rate	6.80%	6.80%
Normal Cost Rate	12.58%	12.6%
UAL Contribution	\$327,002	\$447,000
(5.2%) (1 standard deviation loss)		
Discount Rate	6.80%	6.80%
Normal Cost Rate	12.58%	12.6%
UAL Contribution	\$327,002	\$403,000

- Without investment gains (returns higher than 6.8%) in FY 2024-25 or later, projected contributions rates would continue to rise over the next four years due to the continued phase-in of the impact of the illustrated investment loss in FY 2023-24.
- The Pension Outlook Tool can be used to model projected contributions for these scenarios beyond FY 2026-27 as well as to model other investment return scenarios.

Discount Rate Sensitivity

The discount rate assumption is calculated as the sum of the assumed real rate of return and the assumed annual price inflation, currently 4.5% and 2.3%, respectively. Changing either the price inflation assumption or the real rate of return assumption will change the discount rate. The sensitivity of the valuation results to the discount rate assumption depends on which component of the discount rate is changed. Shown below are various valuation results as of June 30, 2023, assuming alternate discount rates by changing the two components independently. Results are shown using the current discount rate of 6.8% as well as alternate discount rates of 5.8% and 7.8%. The rates of 5.8% and 7.8% were selected since they illustrate the impact of a 1.0% increase or decrease to the 6.8% assumption.

Sensitivity to the Real Rate of Return Assumption

As of June 30, 2023	1% Lower Real Return Rate	Current Assumptions	1% Higher Real Return Rate
Discount Rate	5.8%	6.8%	7.8%
Price Inflation	2.3%	2.3%	2.3%
Real Rate of Return	3.5%	4.5%	5.5%
a) Total Normal Cost	24.55%	19.51%	15.67%
b) Accrued Liability	\$22,277,747	\$19,523,139	\$17,262,018
c) Market Value of Assets	\$14,980,182	\$14,980,182	\$14,980,182
d) Unfunded Liability/(Surplus) [(b) - (c)]	\$7,297,565	\$4,542,957	\$2,281,836
e) Funded Ratio	67.2%	76.7%	86.8%

Sensitivity to the Price Inflation Assumption

As of June 30, 2023	1% Lower Price Inflation	Current Assumptions	1% Higher Price Inflation
Discount Rate	5.8%	6.8%	7.8%
Price Inflation	1.3%	2.3%	3.3%
Real Rate of Return	4.5%	4.5%	4.5%
a) Total Normal Cost	20.46%	19.51%	17.81%
b) Accrued Liability	\$20,222,069	\$19,523,139	\$18,050,336
c) Market Value of Assets	\$14,980,182	\$14,980,182	\$14,980,182
d) Unfunded Liability/(Surplus) [(b) - (c)]	\$5,241,887	\$4,542,957	\$3,070,154
e) Funded Ratio	74.1%	76.7%	83.0%

Mortality Rate Sensitivity

The following table looks at the change in the June 30, 2023, plan costs and funded status under two different longevity scenarios, namely assuming rates of post-retirement mortality are 10% lower or 10% higher than our current mortality assumptions adopted in 2021. This type of analysis highlights the impact on the plan of a change in the mortality assumption.

As of June 30, 2023	10% Lower Mortality Rates	Current Assumptions	10% Higher Mortality Rates
a) Total Normal Cost	19.84%	19.51%	19.20%
b) Accrued Liability	\$19,941,657	\$19,523,139	\$19,138,974
c) Market Value of Assets	\$14,980,182	\$14,980,182	\$14,980,182
d) Unfunded Liability/(Surplus) [(b) - (c)]	\$4,961,475	\$4,542,957	\$4,158,792
e) Funded Ratio	75.1%	76.7%	78.3%

Maturity Measures

As pension plans mature they become more sensitive to risks. Understanding plan maturity and how it affects the ability of a pension plan sponsor to tolerate risk is important in understanding how the pension plan is impacted by investment return volatility, other economic variables and changes in longevity or other demographic assumptions.

Since it is the employer that bears the risk, it is appropriate to perform this analysis on a pension plan level considering all rate plans. The following measures are for one rate plan only. One way to look at the maturity level of CalPERS and its plans is to look at the ratio of a plan's retiree liability to its total liability. A pension plan in its infancy will have a very low ratio of retiree liability to total liability. As the plan matures, the ratio increases. A mature plan will often have a ratio above 60%-65%.

Ratio of Retiree Accrued Liability to Total Accrued Liability	June 30, 2022	June 30, 2023
1. Retiree Accrued Liability	\$6,991,372	\$7,839,227
2. Total Accrued Liability	\$17,947,370	\$19,523,139
3. Ratio of Retiree AL to Total AL [(1) ÷ (2)]	39%	40%

Another measure of the maturity level of CalPERS and its plans is the ratio of actives to retirees, also called the support ratio. A pension plan in its infancy will have a very high ratio of active to retired members. As the plan matures and members retire, the ratio declines. A mature plan will often have a ratio near or below one.

To calculate the support ratio for the rate plan, retirees and beneficiaries receiving a continuance are each counted as one, even though they may have only worked a portion of their careers as an active member of this rate plan. For this reason, the support ratio, while intuitive, may be less informative than the ratio of retiree liability to total accrued liability above.

For comparison, the support ratio for all CalPERS public agency plans as of June 30, 2022, was 0.77 and was calculated consistently with how it is for the individual rate plan. Note that to calculate the support ratio for all public agency plans, a retiree with service from more than one CalPERS agency is counted as a retiree more than once.

Support Ratio	June 30, 2022	June 30, 2023
1. Number of Actives	18	16
2. Number of Retirees	16	17
3. Support Ratio [(1) ÷ (2)]	1.13	0.94

Maturity Measures (continued)

The actuarial calculations supplied in this communication are based on various assumptions about long-term demographic and economic behavior. Unless these assumptions (e.g., terminations, deaths, disabilities, retirements, salary increases, investment return) are exactly realized each year, there will be differences on a year-to-year basis. The year-to-year differences between actual experience and the assumptions are called actuarial gains and losses and serve to lower or raise required employer contributions from one year to the next. Therefore, employer contributions will inevitably fluctuate, especially due to the ups and downs of investment returns.

Asset Volatility Ratio

Shown in the table below is the asset volatility ratio (AVR), which is the ratio of market value of assets to payroll. Plans that have a higher AVR experience more volatile employer contributions (as a percentage of payroll) due to investment return. For example, a plan with an AVR of 8 may experience twice the contribution volatility due to investment return volatility than a plan with an AVR of 4. It should be noted that this ratio is a measure of the current situation. It increases over time but generally tends to stabilize as a plan matures.

Liability Volatility Ratio

Also shown in the table below is the liability volatility ratio (LVR), which is the ratio of accrued liability to payroll. Plans that have a higher LVR experience more volatile employer contributions (as a percentage of payroll) due to changes in liability. For example, a plan with an LVR of 8 is expected to have twice the contribution volatility of a plan with an LVR of 4 when there is a change in accrued liability, such as when there is a change in actuarial assumptions. It should be noted that this ratio indicates a longer-term potential for contribution volatility, since the AVR, described above, will tend to move closer to the LVR as the funded ratio approaches 100%.

Contribution Volatility	June 30, 2022	June 30, 2023
1. Market Value of Assets	\$13,865,833	\$14,980,182
2. Payroll	\$2,528,106	\$2,456,620
3. Asset Volatility Ratio (AVR) [(1) ÷ (2)]	5.5	6.1
4. Accrued Liability	\$17,947,370	\$19,523,139
5. Liability Volatility Ratio (LVR) [(4) ÷ (2)]	7.1	7.9

Maturity Measures History

Valuation Date	Ratio of Retiree Accrued Liability to Total Accrued Liability	Support Ratio	Asset Volatility Ratio	Liability Volatility Ratio
06/30/2017	30%	2.33	3.7	4.6
06/30/2018	31%	2.00	4.2	5.3
06/30/2019	28%	2.00	4.3	5.4
06/30/2020	29%	1.82	4.3	5.5
06/30/2021	38%	1.27	5.8	6.5
06/30/2022	39%	1.13	5.5	7.1
06/30/2023	40%	0.94	6.1	7.9

Funded Status – Termination Basis

The funded status measured on a termination basis is an estimate of the financial position of the plan had the contract with CalPERS been terminated as of June 30, 2023. The accrued liability on a termination basis (termination liability) is calculated differently from the plan’s ongoing funding liability. For the termination liability calculation, both compensation and service are frozen as of the valuation date and no future pay increases or service accruals are assumed. This measure of funded status is not appropriate for assessing the need for future employer contributions in the case of an ongoing plan, that is, for an employer that continues to provide CalPERS retirement benefits to active employees. Unlike the actuarial cost method used for ongoing plans, the termination liability is the present value of the benefits earned through the valuation date.

A more conservative investment policy and asset allocation strategy was adopted by the board for the Terminated Agency Pool. The Terminated Agency Pool has limited funding sources since no future employer contributions will be made. Therefore, expected benefit payments are secured by risk-free assets and benefit security for members is increased while limiting the funding risk. However, this asset allocation has a lower expected rate of return than the remainder of the PERF and consequently, a lower discount rate assumption. The lower discount rate for the Terminated Agency Pool results in higher liabilities for terminated plans.

The discount rate used for actual termination valuations is a weighted average of the 10-year and 30-year Treasury yields where the weights are based on matching asset and liability durations as of the termination date. The discount rates used in the following analysis is based on 20-year Treasury bonds, which is a good proxy for most plans. The discount rate upon contract termination will depend on actual Treasury rates on the date of termination, which varies over time, as shown below.

Valuation Date	20-Year Treasury Rate	Valuation Date	20-Year Treasury Rate
06/30/2014	3.08%	06/30/2019	2.31%
06/30/2015	2.83%	06/30/2020	1.18%
06/30/2016	1.86%	06/30/2021	2.00%
06/30/2017	2.61%	06/30/2022	3.38%
06/30/2018	2.91%	06/30/2023	4.06%

As Treasury rates are variable, the table below shows a range for the termination liability using discount rates 1% below and above the 20-year Treasury rate on the valuation date. The price inflation assumption is the 20-year Treasury breakeven inflation rate, that is, the difference between the 20-year inflation indexed bond and the 20-year fixed-rate bond.

The Market Value of Assets (MVA) also varies with interest rates and will fluctuate depending on other market conditions on the date of termination. Since it is not possible to approximate how the MVA will change in different interest rate environments, the results below use the MVA as of the valuation date.

	Discount Rate: 3.06% Price Inflation: 2.50%	Discount Rate: 5.06% Price Inflation: 2.50%
1. Termination Liability ¹	\$32,617,117	\$23,998,129
2. Market Value of Assets (MVA)	14,980,182	14,980,182
3. Unfunded Termination Liability [(1) – (2)]	\$17,636,935	\$9,017,947
4. Funded Ratio [(2) ÷ (1)]	45.9%	62.4%

¹ The termination liabilities calculated above include a 5% contingency load. The contingency load and other actuarial assumptions can be found in Appendix A of the Section 2 report.

In order to terminate the plan, first contact our Pension Contract Services unit to initiate a Resolution of Intent to Terminate. The completed Resolution will allow a CalPERS actuary to provide a preliminary termination valuation with a more up-to-date estimate of the plan’s assets and liabilities. Before beginning this process, please consult with a CalPERS actuary.

Funded Status – Low-Default-Risk Basis

Actuarial Standard of Practice (ASOP) No. 4, *Measuring Pension Obligations and Determining Pension Plan Costs or Contributions*, requires the disclosure of a low-default-risk obligation measure (LDROM) of benefit costs accrued as of the valuation date using a discount rate based on the yields of high quality fixed income securities with cash flows that replicate expected benefit payments. Conceptually, this measure represents the level at which financial markets would value the accrued plan costs, and would be approximately equal to the cost of a portfolio of low-default-risk bonds with similar financial characteristics to accrued plan costs.

As permitted in ASOP No. 4, the Actuarial Office uses the Entry Age Actuarial Cost Method to calculate the LDROM. This methodology is in line with the measure of “benefit entitlements” calculated by the Bureau of Economic Analysis and used by the Federal Reserve to report the indebtedness due to pensions of plan sponsors and, conversely, the household wealth due to pensions of plan members.

As shown below, the discount rate used for the LDROM is 4.82%, which is the Standard FTSE Pension Liability Index¹ discount rate as of June 30, 2023, net of assumed administrative expenses.

Selected Measures on a Low-Default-Risk Basis	June 30, 2023
Discount Rate	4.82%
1. Accrued Liability ² – Low-Default-Risk Basis (LDROM)	
a) Active Members	\$12,216,987
b) Transferred Members	2,273,632
c) Separated Members	1,645,511
d) Members and Beneficiaries Receiving Payments	9,448,644
e) Total	\$25,584,774
2. Market Value of Assets (MVA)	14,980,182
3. Unfunded Accrued Liability – Low-Default-Risk Basis [(1e) – (2)]	\$10,604,592
4. Unfunded Accrued Liability – Funding Policy Basis	4,542,957
5. Present Value of Unearned Investment Risk Premium [(3) – (4)]	\$6,061,635

The difference between the unfunded liabilities on a low-default-risk basis and on the funding policy basis represents the present value of the investment risk premium that must be earned in future years to keep future contributions for currently accrued plan costs at the levels anticipated by the funding policy.

Benefit security for members of the plan relies on a combination of the assets in the plan, the investment income generated from those assets, and the ability of the plan sponsor to make necessary future contributions. If future returns fall short of 6.8%, benefit security could be at risk without higher than currently anticipated future contributions.

The funded status on a low-default-risk basis is not appropriate for assessing the sufficiency of plan assets to cover the cost of settling the plan’s benefit obligations (see [Funded Status – Termination Basis](#)), nor is it appropriate for assessing the need for future contributions (see [Funded Status – Funding Policy Basis](#)).

¹ This index is based on a yield curve of hypothetical AA-rated zero coupon corporate bonds whose maturities range from 6 months to 30 years. The index represents the single discount rate that would produce the same present value as discounting a standardized set of liability cash flows for a fully open pension plan using the yield curve. The liability cash flows are reasonably consistent with the pattern of benefits expected to be paid from the entire Public Employees’ Retirement Fund for current and former plan members. A different index, hence a different discount rate, may be needed to measure the LDROM for a subset of the fund, such as a single rate plan or a group of retirees.

² If plan assets were invested entirely in the AA fixed income securities used to determine the discount rate of 4.82%, the CalPERS discount rate could, at various times, be below 4.5% or 5.25%, and some automatic annual retiree COLAs could be suspended (Gov. Code sections 21329 and 21335). Since there is currently no proposal to adopt an asset allocation entirely comprised of fixed income securities, the automatic COLAs have been fully valued in the measures above based on the assumptions used for plan funding. Removing future COLAs from the measurement would understate the statutory obligation.

Summary of Valuation Data

The table below shows a summary of the plan's member data upon which this valuation is based:

	June 30, 2022	June 30, 2023
Active Members		
Counts	18	16
Average Attained Age	52.1	52.5
Average Entry Age to Rate Plan	39.8	39.6
Average Years of Credited Service	12.5	13.1
Average Annual Covered Pay	\$140,450	\$153,539
Annual Covered Payroll	\$2,528,106	\$2,456,620
Present Value of Future Payroll	\$19,270,751	\$18,220,639
Transferred Members	11	11
Separated Members	15	16
Retired Members and Beneficiaries*		
Counts	16	17
Average Annual Benefits	\$37,973	\$39,688
Total Annual Benefits	\$607,563	\$674,703

Counts of members included in the valuation are counts of the records processed by the valuation. Multiple records may exist for those who have service in more than one valuation group. This does not result in double counting of liabilities.

* Values include community property settlements.

List of Class 1 Benefit Provisions

This plan has the following Class 1 Benefit Provisions:

- One Year Final Compensation (FAC 1)

Plan's Major Benefit Options

Shown below is a summary of the major optional benefits for which the agency has contracted. A description of principal standard and optional plan provisions is in Section 2.

Member Category	Benefit Group	
	Misc	Misc
Demographics		
Actives	Yes	No
Transfers/Separated Receiving	Yes	No
	Yes	Yes
Benefit Provision		
Benefit Formula	2% @ 55	
Social Security Coverage Full/Modified	No Full	
Employee Contribution Rate	7.00%	
Final Average Compensation Period	One Year	
Sick Leave Credit	Yes	
Non-Industrial Disability	Standard	
Industrial Disability	No	
Pre-Retirement Death Benefits Optional Settlement ²	Yes	
1959 Survivor Benefit Level Special	Level 4	
Alternate (firefighters)	No	
Post-Retirement Death Benefits Lump Sum	\$2,000	\$2,000
Survivor Allowance (PRSA)	No	No
COLA	2%	2%

Section 2

California Public Employees' Retirement System

Risk Pool Actuarial Valuation Information

[Section 2](#) may be found on the CalPERS website (www.calpers.ca.gov) in the Forms & Publications section



INFORMATION ITEM

October 9, 2024

TO: Administration & Finance Committee
(Directors Crane, Thomas, Nederhood)

FROM: Harvey De La Torre, General Manager

Staff Contact: Hilary Chumpitazi, Director of Finance/IT

SUBJECT: Other Post Employee Benefits (OPEB) Actuarial as of June 30, 2024

STAFF RECOMMENDATION

Staff recommends the Administration & Finance Committee receive and file this report.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

SUMMARY

Attached for your information is the Governmental Accounting Standard Board Statement No. 75 (GASB 75) actuarial valuation of the District’s retiree health insurance program as of June 30, 2024. The primary objective of GASB 75 is to improve accounting and financial reporting by state and local governments for post-employment benefits such as other post-employment benefits (OPEB).

The report includes the following information:

- The District’s total OPEB liability is \$2,064,826 which is a net decrease of \$239,489 compared to the last actuarial (July 01, 2022).
 - This covers the 13 retirees and 8 active employees (who may become eligible to receive benefits in the future).
 - The most significant driver from the last actuarial is a decrease of \$367,972 due to unexpected population experience (terminations, retirements and mortality).

Budgeted: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Budgeted amount:	Core: <input type="checkbox"/>	Choice: <input type="checkbox"/>
Action item amount:		Movement between funds: <input type="checkbox"/> Yes <input type="checkbox"/> No	

- All schedules assume the Long-Term Expected Return on Assets remains at 6.00% and the GASB 75 Discount Rate is at 6.00%.
- The District’s OPEB Section 115 Trust has a balance of \$2,861,970 as of June 30, 2024. This means the District has a Net OPEB Asset of \$797,144 and is fully funded at 138.6%.
- The District’s OPEB Reserve fund (as shown on the Balance Sheet) has a balance of \$297,147, which further increases our funding status to 153%.
- The District’s actual health insurance coverage for retiree expenses for FY 2023-24 was \$75,982. A reduction of \$9,293 compared to our last actuarial. The District budgeted \$81,349 for this years (FY 2024-25) anticipated retiree expense.

The District will continue to fund all budgeted health insurance expenses for retirees through our OPEB reserve account until funds are depleted, per the direction of the General Manager.

The next actuarial evaluation will be a roll-forward to be completed as of July 1, 2025.

ALIGNMENT WITH BOARD STRATEGIC PRIORITIES

- | | |
|--|---|
| <input type="checkbox"/> Clarifying MWDOC’s mission and role; defining functions and actions. | <input type="checkbox"/> Work with member agencies to develop water supply and demand objectives. |
| <input type="checkbox"/> Balance support for Metropolitan’s regional mission and Orange County values and interests. | <input type="checkbox"/> Solicit input and feedback from member agencies. |
| <input type="checkbox"/> Strengthen communications and coordination of messaging. | <input checked="" type="checkbox"/> Invest in workforce development and succession planning. |

List of Attachments/Links:
Attachment 1: GASB 75 Actuarial Valuation Report and Supplemental Schedules as reported by Foster & Foster Actuaries and Consultants.



GASB Statement No. 75

**Supplemental Schedules
for Municipal Water District of Orange County**

Reporting Period: July 1, 2023 to June 30, 2024
Measurement Period: July 1, 2023 to June 30, 2024
Valuation Date: June 30, 2024

September 3, 2024

**Municipal Water District of Orange County
Post-Employment Medical Benefits Plan**

GASB 75 Disclosure Information

Note to Auditors

DFA, LLC (DFA)—acquired by Foster & Foster Consulting Actuaries, Inc. (Foster & Foster) as of January 1, 2024—has prepared the following supplemental schedules to accompany the District’s actuarial valuation as of June 30, 2024 to (1) facilitate preparation of GASB 75 reporting and (2) to provide information that (if applicable) was not determinable as of the valuation date. We have prepared this supplement based on the results of our actuarial valuation and (if applicable) subsequent projections. We are available to discuss and reconcile any differences between your records and our calculations.

Our actuarial valuation report is intended to comply with GASB 75’s valuation requirements (at least one every two years); the following schedules are intended to provide the reporting information specific to the applicable reporting period (July 1, 2023 to June 30, 2024), with updates to the measurement date (June 30, 2024).

Notes to the Financial Statements for the Year Ended June 30, 2024

Plan Description

Plan administration. The District provides health insurance for its retired employees and their spouses (if married and covered on the District’s plan at time of retirement), or domestic partner in accordance with Board policy. The following parties are responsible for administration of the Health Plan:

- Public Agency Retirement Services (PARS) serves as Trust Administrator and Consultant
- US Bank serves as Trustee, and
- PFM Asset Management (PFMAM) as Investment Manager (as of January 1, 2024).

Benefits provided. The District provides health benefits for employees, retirees and their dependents with a choice of medical plans through the Association of California Water Agencies (ACWA) Joint Powers Insurance Authority. Employees and retirees select from the same plans. Retired employees (hired prior to July 1, 2012) who are at least 55 years of age are eligible for these health and welfare benefits based on their years of full-time accrued service. There are two benefit tiers for the years of accrued service:

Tier 1: Employees retiring with a minimum of 10 consecutive years of full-time service with the District, earn medical coverage on the following terms: The District will pay for Retiree only or couples coverage on the same basis as active employees. Retiree and spouse/domestic partner have the option to continue dental and vision benefits at their own cost and COBRA coverage is offered. Upon becoming Medicare eligible, the retiree must enroll and transition to Medicare coverage. The District will reimburse retiree only up to the annual cap of \$3,080.82 for a Medicare Advantage Plan, a supplemental Medigap insurance policy, Medicare Prescription Drug Insurance or Medicare Part B coverage. If a spouse or domestic partner survives a retiree, their coverage will continue until remarriage, enrollment in another plan or becoming Medicare eligible.

Tier 2: Employees retiring with a minimum of 25 consecutive years of full-time service with the District, earn medical, dental and vision benefits on the following terms: The District will pay for retiree only or couples coverage on the same basis as active employees. The District pays the following for dental and vision coverage: Dental for retiree only 90%; couples coverage 80%. Vision coverage for retiree only 100%; couples coverage 80%. Retirees and their spouses/domestic partner are required to enroll in Medicare Parts A and B upon eligibility. The District will reimburse for Medicare Part B for both retiree and their eligible spouse/domestic partner. If a spouse or domestic partner survives a retiree, their coverage will continue until remarriage or enrollment in another plan.



**Municipal Water District of Orange County
Post-Employment Medical Benefits Plan**

GASB 75 Disclosure Information

The following guidelines apply to both tiers:

1. The District does not make contributions to Health Savings Accounts on behalf of retirees.
2. Reenrollment is not permitted if a retiree discontinues medical coverage.
3. Annual open enrollment is not permitted for retirees.
4. Reimbursement requires proper verification and is made on a quarterly to yearly basis.

Employees hired on or after July 1, 2012 are ineligible for District-paid retiree health and welfare benefits.

Plan membership. On June 30, 2024, the most recent valuation date, membership consisted of the following:

Inactive plan members or beneficiaries currently receiving benefit payments	13
Active plan members	8

Contributions. The contribution requirements of the Health Plan members and the District are established, and may be amended, by the District's Board of Directors. The District has fully funded the OPEB obligation with the addition of an OPEB Designated Reserve account.



**Municipal Water District of Orange County
Post-Employment Medical Benefits Plan**

GASB 75 Disclosure Information

Net OPEB Liability

The District's Net OPEB Liability was measured as of June 30, 2024 and the Total OPEB Liability used to calculate the Net OPEB Liability was determined by an actuarial valuation as of June 30, 2024. Standard actuarial update procedures were used to project/discount from valuation to measurement dates.

Actuarial assumptions. The total OPEB liability was determined using the following actuarial assumptions, applied to all periods included in the measurement, unless otherwise specified:

Actuarial cost method	Entry Age, Level Percent of Pay
Valuation of fiduciary net position	Fair value of assets.
Recognition of deferred inflows and outflows of resources	Closed period equal to the average of the expected remaining service lives of all employees provided with OPEB
Salary increases	3.00 percent
Inflation rate	2.50 percent
Investment rate of return	6.00 percent, net of OPEB plan investment expense
Healthcare cost trend rate	7.50 percent for 2024 decreasing to 5.40 percent for 2029, 5.25 percent for 2030-2034, 4.60 percent for 2035-2049, 4.50 percent for 2050-2064, 4.25 percent for 2065-2074, and 4.00 percent for 2070 and later years; Medicare ages: 4.50 percent for all years.
Preretirement Mortality	Preretirement Mortality Rates for Public Agency Miscellaneous from CalPERS Experience Study (2000-2019).
Postretirement Mortality	Post-retirement Mortality Rates for Public Agency Miscellaneous from CalPERS Experience Study (2000-2019).

Actuarial assumptions used in the June 30, 2024 valuation were based on a review of plan experience during the period July 1, 2022 to June 30, 2024.

The long-term expected rate of return on OPEB plan investments was determined using a building-block method in which expected future real rates of return (expected returns, net of investment expense and inflation) are developed for each major asset class. The calculated investment rate of return was set equal to the expected ten-year compound (geometric) real return plus inflation (rounded to the nearest 25 basis points, where appropriate). The table below provides the long-term expected real rates of return by asset class (based on published capital market assumptions).

Asset Class	Assumed Asset Allocation	Real Rate of Return
Broad U.S. Equity	50%	4.4%
U.S. Fixed	50%	1.8%



**Municipal Water District of Orange County
Post-Employment Medical Benefits Plan**

GASB 75 Disclosure Information

Discount rate. GASB 75 requires a discount rate that reflects the following:

- a) The long-term expected rate of return on OPEB plan investments – to the extent that the OPEB plan’s fiduciary net position (if any) is projected to be enough to make projected benefit payments and assets are expected to be invested using a strategy to achieve that return.
- b) A yield or index rate for 20-year, tax-exempt general obligation municipal bonds with an average rating of AA/Aa or higher – to the extent that the conditions in (a) are not met.

To determine a resulting single (blended) rate, the amount of the plan’s projected fiduciary net position (if any) and the amount of projected benefit payments is compared in each period of projected benefit payments. The discount rate used to measure the District’s Total OPEB liability is based on these requirements and the following information:

Reporting Date	Measurement Date	Long-Term Expected Return of Plan Investments	Fidelity GO AA 20 Years Municipal Index	Discount Rate
June 30, 2023	June 30, 2023	6.00%	3.86%	6.00%
June 30, 2024	June 30, 2024	6.00%	3.97%	6.00%



**Municipal Water District of Orange County
Post-Employment Medical Benefits Plan**

GASB 75 Disclosure Information

The components of the net OPEB liability were as follows:

Total OPEB liability	2,064,826
Plan fiduciary net position	2,861,970
Net OPEB liability (asset)	\$(797,144)
Measurement date	June 30, 2024
Reporting date	June 30, 2024
Covered employee payroll	\$1,466,095
Net OPEB liability (asset) as a percentage of covered payroll	-54.37%
Plan fiduciary net position as a percentage of the total OPEB liability	138.61%

Schedule of Changes in Net OPEB Liability (June 30, 2023 to June 30, 2024)

Total OPEB Liability	
Service Cost	14,595
Interest	140,661
Changes of benefit terms	0
Difference between expected and actual experience	(389,508)
Changes in assumptions or other inputs	12,493
Benefit payments ¹	(85,085)
Net change in total OPEB liability	(306,844)
Total OPEB liability – June 30, 2023 (a)	\$2,371,670
Total OPEB liability – June 30, 2024 (b)	\$2,064,826
Plan fiduciary net position	
Contributions – employer ¹	85,085
Other income – adjustment	0
Net investment income	302,856
Benefit payments ¹	(85,085)
Administrative expenses	(15,504)
Other disbursements – reimbursement to employer	0
Net change in plan fiduciary net position	287,352
Plan fiduciary net position – June 30, 2023 (c)	\$2,574,618
Plan fiduciary net position – June 30, 2024 (d)	\$2,861,970
Net OPEB liability (asset) – June 30, 2023 (a) – (c)	\$(202,948)
Net OPEB liability (asset) – June 30, 2024 (b) – (d)	\$(797,144)

¹ Amount includes any implicit subsidy associated with benefits paid (see Footnote 4).



**Municipal Water District of Orange County
Post-Employment Medical Benefits Plan**

GASB 75 Disclosure Information

Sensitivity of the net OPEB liability to changes in the discount rate. The following presents the net OPEB liability, as well as what the net OPEB liability would be if it were calculated using a discount rate that is 1-percentage point lower or 1-percentage-point higher than the current discount rate:

	1% Decrease (5.00%)	Discount Rate (6.00%)	1% Increase (7.00%)
Net OPEB liability (asset)	(550,572)	(797,144)	(1,003,837)

Sensitivity of the net OPEB liability to changes in the healthcare cost trend rates. The following presents the net OPEB liability, as well as what the net OPEB liability would be if it were calculated using healthcare cost trend rates that are 1-percentage-point lower or 1-percentage-point higher than the current healthcare cost trend rates:

	1% Decrease ²	Trend Rate	1% Increase ³
Net OPEB liability (asset)	(996,853)	(797,144)	(555,657)

² Trend rate for each future year reduced by 1.00%.

³ Trend rate for each future year increased by 1.00%.



**Municipal Water District of Orange County
Post-Employment Medical Benefits Plan**

GASB 75 Disclosure Information

Statement of Fiduciary Net Position

Assets	
Cash, deposits, and cash equivalents	0
Receivables:	
Accrued Income	0
Total receivables	0
Investments:	
Managed account	2,861,970
Total Investments	2,861,970
Total Assets	2,861,970
Liabilities	
Total Liabilities	0
Net position restricted for postemployment benefits other than pensions	\$2,861,970
Measurement date	June 30, 2024
Reporting date	June 30, 2024

Statement of Changes in Fiduciary Net Position

Additions	
Employer contributions ⁴	85,085
Other income – adjustment	0
Net increase in fair value of investments	302,856
Total additions	387,941
Deductions	
Administrative expenses	15,504
Benefit payments ⁴	85,085
Other disbursements – reimbursement to employer	0
Total deductions	100,589
Net increase in net position	287,352
Net position restricted for postemployment benefits other than pensions	
Beginning of year – June 30, 2023	\$2,574,618
End of year – June 30, 2024	\$2,861,970

⁴ Includes an implicit subsidy credit as follows:

	Trust	Non-Trust	Total
Employer contribution	\$0	\$75,982	\$75,982
Implicit subsidy credit	0	9,103	9,103
Total employer contributions	\$0	\$85,085	\$85,085
Benefit payments	\$0	\$75,982	\$75,982
Implicit subsidy credit	0	9,103	9,103
Total benefit payments	\$0	\$85,085	\$85,085



**Municipal Water District of Orange County
Post-Employment Medical Benefits Plan**

GASB 75 Disclosure Information

Investments

Investment policy. The District’s policy regarding the allocation of the plan’s invested assets is established and may be amended by District management. The current investment selection is the Moderate - Strategic Blend. The dual goals of the Moderate Strategy are growth of principal and income. It is expected that dividend and interest income will comprise a significant portion of total return, although growth through capital appreciation is equally important. The portfolio will be allocated between equity and fixed income investments.

<i>Strategic Asset Allocation Ranges</i>			
	Cash	Fixed Income	Equity
Stated Range	0-20%	40%-60%	40%-60%

Rate of return. For the year ended on the measurement date, the annual money-weighted rate of return on investments, net of investment expense, was 11.82 percent. The money-weighted rate of return expresses investment performance, net of investment expense, adjusted for the changing amounts invested.

Annual money-weighted rate of return, net of investment expense	11.82%
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**Municipal Water District of Orange County
Post-Employment Medical Benefits Plan**

GASB 75 Disclosure Information

Deferred Outflows of Resources and Deferred Inflows of Resources Related to OPEB

On June 30, 2024, the District's deferred outflows of resources and deferred inflows of resources to OPEB from the following sources are:

	Deferred Outflows of Resources	Deferred Inflows of Resources
Difference between expected and actual experience ^{5,6}	0	(227,213)
Changes in assumptions or other inputs ^{5,6}	7,288	0
Net difference between projected and actual return on OPEB investments ^{5,6}	3,372	0
Total	\$10,660	\$(227,213)

⁵ Measured on June 30, 2024.

⁶ See Schedule of Deferred Outflows and Inflows of Resources for additional information.

Amounts reported as deferred outflows and deferred inflows of resources will be recognized in OPEB expense as follows:

Fiscal Year ending June 30:	Deferred Outflows of Resources	Deferred Inflows of Resources
2025	4,495	(162,295)
2026	72,947	(64,918)
2027	(37,013)	0
2028	(29,769)	0
2029	0	0
Thereafter+	0	0



**Municipal Water District of Orange County
Post-Employment Medical Benefits Plan**

GASB 75 Disclosure Information

Schedule of Deferred Outflows of Resources

Year	Type	Category	Initial Base	Amortization Period	Current Recognition	Current Balance
2017	Deferred Outflow	Difference between expected and actual experience	0	0.0	0	0
2018	Deferred Outflow	Difference between expected and actual experience	0	0.0	0	0
2019	Deferred Outflow	Difference between expected and actual experience	0	0.0	0	0
2020	Deferred Outflow	Difference between expected and actual experience	0	2.9	0	0
2021	Deferred Outflow	Difference between expected and actual experience	0	0.0	0	0
2022	Deferred Outflow	Difference between expected and actual experience	0	2.7	0	0
2023	Deferred Outflow	Difference between expected and actual experience	0	0.0	0	0
2024	Deferred Outflow	Difference between expected and actual experience	0	2.4	0	0
				Total	0	0

Year	Type	Category	Initial Base	Amortization Period	Current Recognition	Current Balance
2017	Deferred Outflow	Changes in assumptions or other inputs	0	0.0	0	0
2018	Deferred Outflow	Changes in assumptions or other inputs	0	0.0	0	0
2019	Deferred Outflow	Changes in assumptions or other inputs	0	0.0	0	0
2020	Deferred Outflow	Changes in assumptions or other inputs	102,437	2.9	0	0
2021	Deferred Outflow	Changes in assumptions or other inputs	0	0.0	0	0
2022	Deferred Outflow	Changes in assumptions or other inputs	155,101	2.7	40,211	0
2023	Deferred Outflow	Changes in assumptions or other inputs	0	0.0	0	0
2024	Deferred Outflow	Changes in assumptions or other inputs	12,493	2.4	5,205	7,288
				Total	45,416	7,288

Year	Type	Category	Initial Base	Amortization Period	Current Recognition	Current Balance
2017	Deferred Outflow	Net difference between projected and actual earnings on plan investments	0	0.0	0	0
2018	Deferred Outflow	Net difference between projected and actual earnings on plan investments	269	5.0	0	0
2019	Deferred Outflow	Net difference between projected and actual earnings on plan investments	0	5.0	0	0
2020	Deferred Outflow	Net difference between projected and actual earnings on plan investments	58,888	5.0	11,776	0
2021	Deferred Outflow	Net difference between projected and actual earnings on plan investments	0	5.0	0	0
2022	Deferred Outflow	Net difference between projected and actual earnings on plan investments	539,367	5.0	107,873	215,748
2023	Deferred Outflow	Net difference between projected and actual earnings on plan investments	0	5.0	0	0
2024	Deferred Outflow	Net difference between projected and actual earnings on plan investments	0	5.0	0	0
				Total	119,649	215,748



**Municipal Water District of Orange County
Post-Employment Medical Benefits Plan**

GASB 75 Disclosure Information

Schedule of Deferred Inflows of Resources

Year	Type	Category	Initial Base	Amortization Period	Current Recognition	Current Balance
2017	Deferred Inflow	Difference between expected and actual experience	0	0.0	0	0
2018	Deferred Inflow	Difference between expected and actual experience	0	0.0	0	0
2019	Deferred Inflow	Difference between expected and actual experience	0	0.0	0	0
2020	Deferred Inflow	Difference between expected and actual experience	(86,201)	2.9	0	0
2021	Deferred Inflow	Difference between expected and actual experience	0	0.0	0	0
2022	Deferred Inflow	Difference between expected and actual experience	(609,684)	2.7	(158,066)	0
2023	Deferred Inflow	Difference between expected and actual experience	0	0.0	0	0
2024	Deferred Inflow	Difference between expected and actual experience	(389,508)	2.4	(162,295)	(227,213)
				Total	(320,361)	(227,213)

Year	Type	Category	Initial Base	Amortization Period	Current Recognition	Current Balance
2017	Deferred Inflow	Changes in assumptions or other inputs	0	0.0	0	0
2018	Deferred Inflow	Changes in assumptions or other inputs	0	0.0	0	0
2019	Deferred Inflow	Changes in assumptions or other inputs	0	0.0	0	0
2020	Deferred Inflow	Changes in assumptions or other inputs	0	2.9	0	0
2021	Deferred Inflow	Changes in assumptions or other inputs	0	0.0	0	0
2022	Deferred Inflow	Changes in assumptions or other inputs	0	2.7	0	0
2023	Deferred Inflow	Changes in assumptions or other inputs	0	0.0	0	0
2024	Deferred Inflow	Changes in assumptions or other inputs	0	2.4	0	0
				Total	0	0

Year	Type	Category	Initial Base	Amortization Period	Current Recognition	Current Balance
2017	Deferred Inflow	Net difference between projected and actual earnings on plan investments	0	0.0	0	0
2018	Deferred Inflow	Net difference between projected and actual earnings on plan investments	0	5.0	0	0
2019	Deferred Inflow	Net difference between projected and actual earnings on plan investments	(9,854)	5.0	0	0
2020	Deferred Inflow	Net difference between projected and actual earnings on plan investments	0	5.0	0	0
2021	Deferred Inflow	Net difference between projected and actual earnings on plan investments	(357,852)	5.0	(71,570)	(71,572)
2022	Deferred Inflow	Net difference between projected and actual earnings on plan investments	0	5.0	0	0
2023	Deferred Inflow	Net difference between projected and actual earnings on plan investments	(36,222)	5.0	(7,244)	(21,734)
2024	Deferred Inflow	Net difference between projected and actual earnings on plan investments	(148,837)	5.0	(29,767)	(119,070)
				Total	(108,581)	(212,376)



**Municipal Water District of Orange County
Post-Employment Medical Benefits Plan**

GASB 75 Disclosure Information

OPEB Expense

The District's OPEB expense (credit) was \$(247,136).

Net OPEB Liability (Asset) – beginning (a)	\$(202,948)
Net OPEB Liability (Asset) – ending (b)	\$(797,144)
Change in Net OPEB Liability (Asset) [(b)-(a)]	(594,196)
Change in Deferred Outflows	152,572
Change in Deferred Inflows	109,403
Employer Contributions	85,085
Adjustment – Transfer In (Employer Reimbursement)	0
Adjustment – OPEB Expense	0
OPEB Expense (Credit) – June 30, 2023 to June 30, 2024	\$(247,136)

Service Cost	14,595
Interest Cost	140,661
Expected Return on Assets	(154,019)
Changes of benefit terms	0
Administrative expenses	15,504
Recognition of Deferred Outflows and Inflows	
Differences between expected and actual experience	(320,361)
Changes of assumptions	45,416
Differences between projected and actual investments	11,068
Total	(263,877)
Adjustment	0
OPEB Expense (Credit) – June 30, 2023 to June 30, 2024	\$(247,136)

Actuarially Determined Contribution

The actuarially determined contributions from the most recent actuarial valuation are:

	Measurement Period	
	2024-2025	2023-2024
Actuarially Determined Contribution	\$0	\$13,516
Valuation Date	June 30, 2024	July 1, 2022
Discount Rate (Expected Long-term Return on Assets)	6.00%	6.00%
Salary Increases	3.00%	3.00%



Municipal Water District of Orange County
Post-Employment Medical Benefits Plan

GASB 75 Disclosure Information

Journal Entries⁷

OPEB Expense Journal Entries - June 30, 2024 Reporting Date

	Debit	Credit
Differences between Expected and Actual Experience	\$0	\$0
Deferred Outflows		(69,147)
Deferred Inflows	0	
Change in Assumptions and Other Inputs		(32,923)
Deferred Outflows	0	
Deferred Inflows	0	
Differences between Projected and Actual Investment Earnings		(159,905)
Deferred Outflows	0	
Deferred Inflows	0	
Net OPEB Liability/(Asset)	509,111	0
OPEB Expense/(Credit)	0	(247,136)
<i>Total</i>	<i>\$509,111</i>	<i>\$(509,111)</i>

Employer Contribution Journal Entries - June 30, 2024 Reporting Date

	Debit	Credit
Contributions paid July 1, 2023 to June 30, 2024	\$85,085	\$0
Net OPEB Liability/(Asset)		(9,103)
Other Healthcare (Implicit Subsidy)	0	
Contributions Expense	0	(75,982)
<i>Total</i>	<i>\$85,085</i>	<i>\$(85,085)</i>

⁷ Provided for illustrative purpose. Actual entries may differ. We are available to discuss any differences.



**Municipal Water District of Orange County
Post-Employment Medical Benefits Plan**

GASB 75 Disclosure Information

Actuarial Certification

The results set forth in this supplement are based on our actuarial valuation of the health and welfare benefit plans of the Municipal Water District of Orange County as of June 30, 2024.

The valuation was performed in accordance with generally accepted actuarial principles and practices. We relied on census data for active employees and retirees provided to us by the District. We also made use of claims, premium, expense, and enrollment data, and copies of relevant sections of healthcare documents provided to us by the District, and (when applicable) trust statements prepared by the trustee and provided to us by the District.

The assumptions used in performing the valuation, as summarized in this report, and the results based thereupon, represent our best estimate of the actuarial costs of the program under GASB 74 and GASB 75, and the existing and proposed Actuarial Standards of Practice for measuring post-retirement healthcare benefits.

Each undersigned actuary meets the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained in this report.

Certified by:



Carlos Diaz, ASA, EA, MAAA
Actuary



Hilary Chumpitazi
Director of Finance/IT
Municipal Water District of Orange County
P.O. Box 20895
Fountain Valley, CA 92728



Administration Activities Report

September 6, 2024 – October 3, 2024

Activity	Summary
Administration/ Board	<p>The administration team worked on the following:</p> <ul style="list-style-type: none"> • Scheduled meetings for Harvey De La Torre and Board members (including Special meetings and Ad Hoc meetings). • Assisted Harvey with various write-ups and follow-up for the Committees and Board. • Continue to send Water Supply Reports to the member agencies. • Processed and reviewed agreements for appropriate Board approval and insurance requirements as well as execution, following approval. • Research and response to one Records Act request. • Made various updates/changes to the website including financial items, Harassment Prevention, Ethics Certificates, etc. • Reviewed files for Records Management clean-up. • Conferred with OCWD staff and consultant regarding IT improvements to Board Room. • Conferred with MET re member agency spotlight, prepared bios for submission. • Orchestrated changes to District Forms. • Responded to various member agency requests and conferred with member agencies on various processes and procedures. • Scheduled meetings for various management. • Registered Staff and Directors for various conferences, training, made travel accommodations, processed business expenses, and updated the travel budget spreadsheet. • Prepared agreements, solicited signatures, and requested insurance documents for Engineering. • Formatted letters for Governmental Affairs. • Continued to work on the planning, registration process and logistics for the October ISDOC Associate Member event. • Assisted with the planning and execution of the Water Quality and Operations Management Workshop #2. • Planning for Water Professionals Appreciation Week event. • Researching non-profits to support during the holiday season.
Records Management	<ul style="list-style-type: none"> • Continued to review incoming mail and log necessary documents into the Laserfiche system. • Staff continues to review documents and update information in Laserfiche. • Continued to assist departments with O drive review.
Health and Welfare Benefits	<ul style="list-style-type: none"> • Open enrollment will be held from October 7-18 and plan information has been distributed to all participants.



	<ul style="list-style-type: none"> • HR staff scheduled a meeting with Alliant Employee Benefits to provide an overview of the new, 2025 Life, Long-Term Disability Insurance Plan and EAP plan renewals on October 17th via Zoom. • JPIA will provide information on retiree health benefits to employees looking to retire within the next 3 to 5 years on October 14th, via zoom.
<p>Recruitment / Departures</p>	<ul style="list-style-type: none"> • Trent Blue will be rejoining the Water Loss Control department on October 7th as a WLC Technician I.
<p>Projects/ Activities</p>	<p>Administration Team worked on the following:</p> <ul style="list-style-type: none"> • The consultant met with the General Manager, Assistant General Manager and Director of HR on September 19 to review the Needs Assessment Report. A meeting will be scheduled to provide an overview with the Management Team. • Assisted with WACO on Meetings via Zoom, PowerPoint. presentations, preparing for hybrid meetings, various correspondence, note taking and coordinating with WACO president and speakers and updating WACO information to website. • Attended Board and Committee Meetings, as well as preparation for these meetings, including packet preparation, meeting setup/take-down, Zoom coordination, etc. • Assisted Finance Department with filing, processing of invoices, purchase requisitions, business expense reports and credit card reconciliations. • Continue to update District Contacts lists in Outlook. • Admin and HR are working on reviewing and organizing all electronic files in preparation for transitioning to SharePoint. • HR, Director of Finance and IT are working on reviewing and updating the Technology (Computer) Loan Program. • Researching and obtaining quotes on Shade Sails for atrium area. • HR coordinated the following staff training opportunities for staff: <ul style="list-style-type: none"> ○ Centre for Organization Effectiveness- Foundations of Excellence to begin October 2 and 9 staff are enrolled ○ Cal State Fullerton – Leadership Development for Public Agencies starting September 4 and 2 staff enrolled ○ Special District Leadership Academy – Essential Skills Leadership Certificate Program and 2 Executive Management Team members are enrolled • HR is working with District Counsel on review of a Draft RFQ for Financial Advisor services to assist with the 457 and 401 Plans. The RFQ is anticipated to be released within the next two weeks. • Continue to coordinate the MWD OC apparel ordering for staff and the Board of Directors. • HR and WEROC coordinated on the update to the Office Evacuation Plan.



<p>Projects/ Activities (Continued)</p>	<ul style="list-style-type: none"> • HR is continuing to review the Personnel file folder structure and consolidating records, where appropriate. Personnel records beyond retention date will be purged. • Assisted IT with preparing and labeling new phones for new system implementation. • Organizing Director photos and frames for display in hallway. • Obtaining quotes for sound masking devices to install throughout the office. • Coordinating with OCWD on termite tenting of both MWDOC and OCWD Offices to take place November 8 through 11. • Lunch and Learn was held on September 12th and the topic covered the District’s medical, dental and vision plans. • HR participated in an Emergency Preparedness meeting on September 17th held by OCWD. • HR participated in a two-day webinar on Supervisory Skills hosted by CSDA on September 18 and 19. • As part of office safety and security, HR participated in a demonstration on September 19 by Nova Tech Demo on video surveillance cameras. • HR participated in a webinar on September 24th on Succession Planning, hosted by CSDA. • A campus wide fire evacuation drill was held on September 25th. This was coordinated with OCWD. • MWDOC hosted an HR Member Agency meeting at the District office on September 26. • An All-Staff Meeting was held on September 26. • HR participated in a two-day webinar training on Organizational Development, hosted by CSDA. • Admin Team participated in a meeting on October 2nd with Packet Fusion in preparation for the new phone system implementation. • The Supervisory training course is scheduled to commence in January 2025. This is a collaborative effort with Yorba Linda Water District with 30 participants from a variety of MWDOC member agencies participating.



INFORMATION ITEM

October 9, 2024

TO: Board of Directors

FROM: **Administration & Finance Committee**
 (Directors Crane, Thomas, Nederhood)

Harvey De La Torre, General Manager

Staff Contact: Steven Hung

SUBJECT: **Finance and IT Pending Items Report**

SUMMARY

The following list details the status of special projects in progress or to be completed during this Fiscal Year.

Finance

Accounting	Rebate Program(s)	W-9 collection for conservation rebates. Currently holding 1 rebate check(s) awaiting W-9 form(s)
Accounting	Annual Audit	85% complete, awaiting feedback from our auditor
Finance	Annual Budget	FY24/25 budget - updated and finalized due to changes in choice programs FY25/26 budget - 1% complete
Finance	ERP	Initiated the process of gathering user feedback on the future requirements for the ERP system
Finance	Other	On-going process improvement

Information Technology (IT)

Security	Backups	Weekly reviews of backup reports show systems are being backed-up according to schedule. Added new service to complete compliance/immutable backups.
	Network Equipment	Project underway to refresh of switches, cabling, and consolidate networks; hardware purchased; project planning underway
	Passwords	Added security feature to manage local administrator accounts
	Video Surveillance	Initiated project to provide video surveillance in server room and other critical office areas.
	Vulnerability Scanning	Weekly external vulnerability scans report no identified exposures
Service/ Support	Access Points	Enhanced wireless access to provide coverage for Conference Room 102
	Devices	Three new desktop machines provisioned for staff
	Grant Funding	Submitted Notice of Interest (NOI) with CalOES to pursue grant funding for cybersecurity enhancements
	SharePoint	Initiated project to migrate files from 'file shares' to SharePoint 'Document Libraries' to modernize security, collaboration, and accessibility; two departments moved.
	Phone System	Project underway to implement new cloud phone system to provide video, voice, conferencing, and faxing; targeting implementation in October or November; hardware purchased
	Support Tickets	111 new support tickets opened; 109 tickets completed and 18 remain pending, in-progress, or on-hold status.
Training	Cybersecurity	All staff completed August cybersecurity training on phishing red flags and fraud

Budgeted: <input type="checkbox"/> Yes <input type="checkbox"/> No	Budgeted amount:	Core: <input type="checkbox"/>	Choice: <input type="checkbox"/>
Action item amount:		Movement between funds: <input type="checkbox"/> Yes <input type="checkbox"/> No	



INFORMATION ITEM
October 9, 2024

TO: Administration & Finance Committee
(Directors Crane, Dick, Thomas)

FROM: Harvey De La Torre, General Manager
Staff Contact: Kevin Hostert

SUBJECT: Monthly Water Usage Data and Water Supply Info.

STAFF RECOMMENDATION

Staff recommends the Administration & Finance Committee receive and file this information.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

REPORT

The attached figures show the recent trend of water consumption in Orange County (OC), an estimate of Imported Water Sales for MWD OC, and selected water supply information.

- OC Water Usage, Monthly by Supply **OCWD Groundwater was the main supply in August.**
- Estimated OC Water Usage, Monthly, Comparison to Previous Years Water usage in August **2024 was slightly below average compared to the last 5 years.** We are projecting an increase in overall water usage compared to FY 2023-24. On March 24th 2023, state officials eased back drought emergency provisions that were in place since July 2021.
- Historical OC Water Consumption Orange County M & I projected water consumption is **516,500 AF for FY 2024-25** (this includes ~7 TAF of agricultural usage and non-retail water agency usage). This is about **43,500 AF more than FY 2023-24** and is about **37,000 AF more than FY 2022-23**. Water usage per person is projected to be slightly lower in **FY 2024-25 for Orange County at 146 gallons per day** (This includes recycled water usage). Although OC population has increased

Budgeted (Y/N): N	Budgeted amount: N/A	Core <u>X</u>	Choice <u>__</u>
Action item amount: N/A		Line item:	
Fiscal Impact (explain if unbudgeted):			

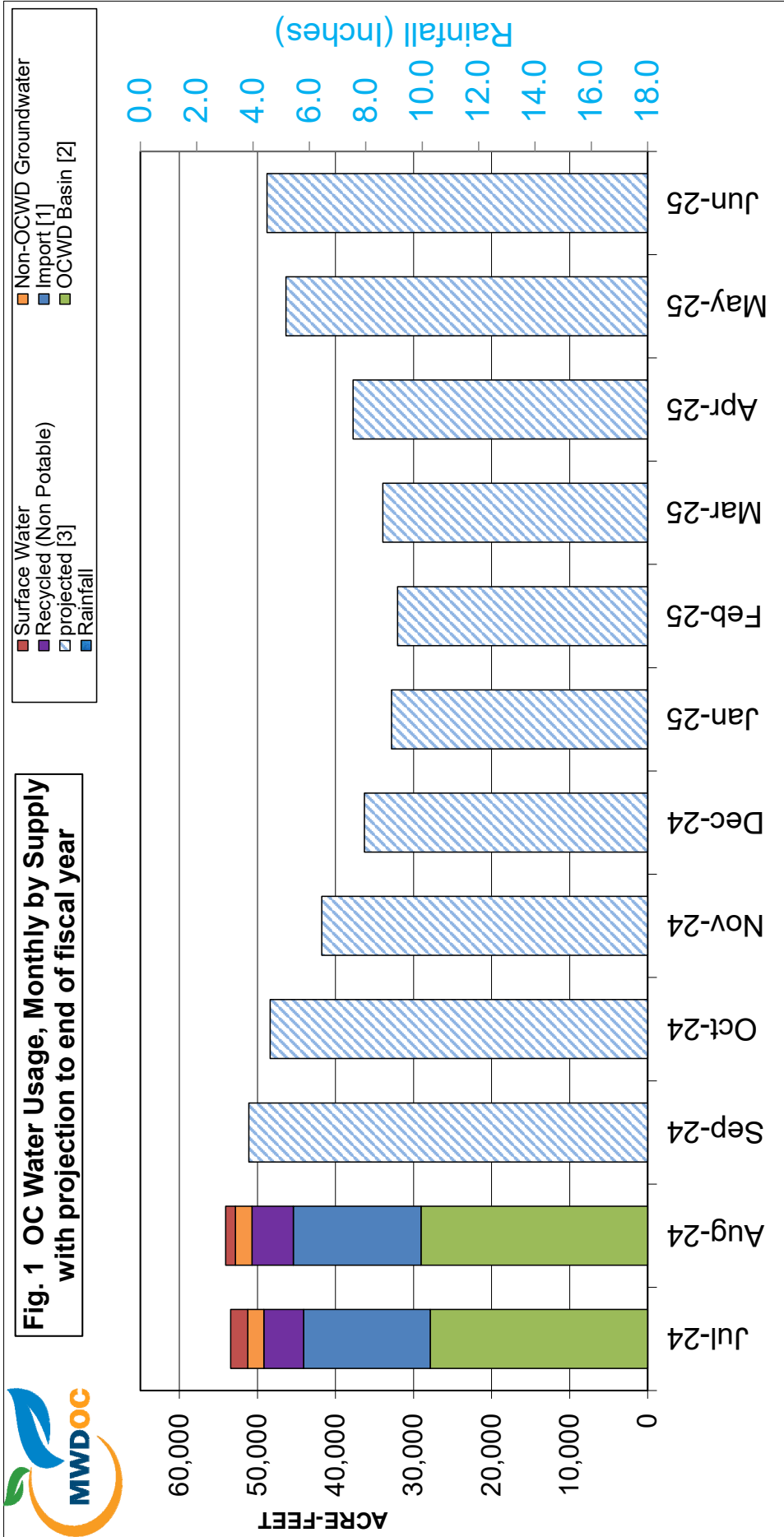
20% over the past two decades, water usage has not increased, on average. A long-term decrease in per-capita water usage is attributed mostly to Water Use Efficiency (water conservation) efforts. ***O.C. Water Usage has declined significantly since the end of FY 2013-14. Since FY 2013-14 average O.C. Annual Water usage is 523,000 AF, a decline of 98,500 AF since FY 2013-14. FY 2023-24 Orange County M & I water consumption was the lowest since FY 1978-79 (45 Years).***

Water Supply Information Includes data on Rainfall in OC; the OCWD Basin overdraft; Northern California and Colorado River Basin hydrologic data; the State Water Project (SWP) Allocation, and regional storage volumes. The data have implications for the magnitude of supplies from the three watersheds that are the principal sources of water for OC. Note that a hydrologic year is Oct. 1st through Sept. 30th.

- Orange County's accumulated precipitation through ***late September was above average*** for this period. Water year to date rainfall in Orange County is ***16.31 inches***, which is ***126% of normal***.
- Northern California accumulated precipitation through ***late September was 97% of normal for this period***. Water Year 2023 was 133% of normal while water year 2022 was 48% of normal. The ***Northern California snowpack was 125% of normal as of April 2nd, 2024. As of late September, 10.67% of California is experiencing moderate drought conditions. 0.1% of California is experiencing severe to exceptional drought conditions.*** The State Water Project Contractors Table A Allocation was increased to 40% as of April for WY 2024.
- Colorado River Basin accumulated precipitation through ***late September was 100% of normal*** for this period. The ***Upper Colorado Basin snowpack was 86% of normal*** as of April 9th 2024. ***Lake Mead and Lake Powell*** combined have about ***52% of their average storage volume*** for this time of year and are at ***35.9% of their total capacity***. Lake Mead's ***levels have been below the "trigger" limit of 1,075 ft. since the start of CY 2022.*** The US Bureau of Reclamation (USBR) has declared a shortage at Lake Mead, impacting Colorado River water deliveries to the Lower Basin states. Lake Mead as of late ***September was 11.29' BELOW the "trigger" limit.*** The USBR has declared a **shortage on the Colorado River that started on January 1st 2022. There is a 100% chance of shortage continuing in 2025, 93% in 2026 and 57% in 2027.** Lake Mead as of ***late September was 18.71' ABOVE the State of California "trigger" limit. There is a 0% chance of mandatory cutbacks for California in 2025, 0% in 2026 and 7% in 2027.***



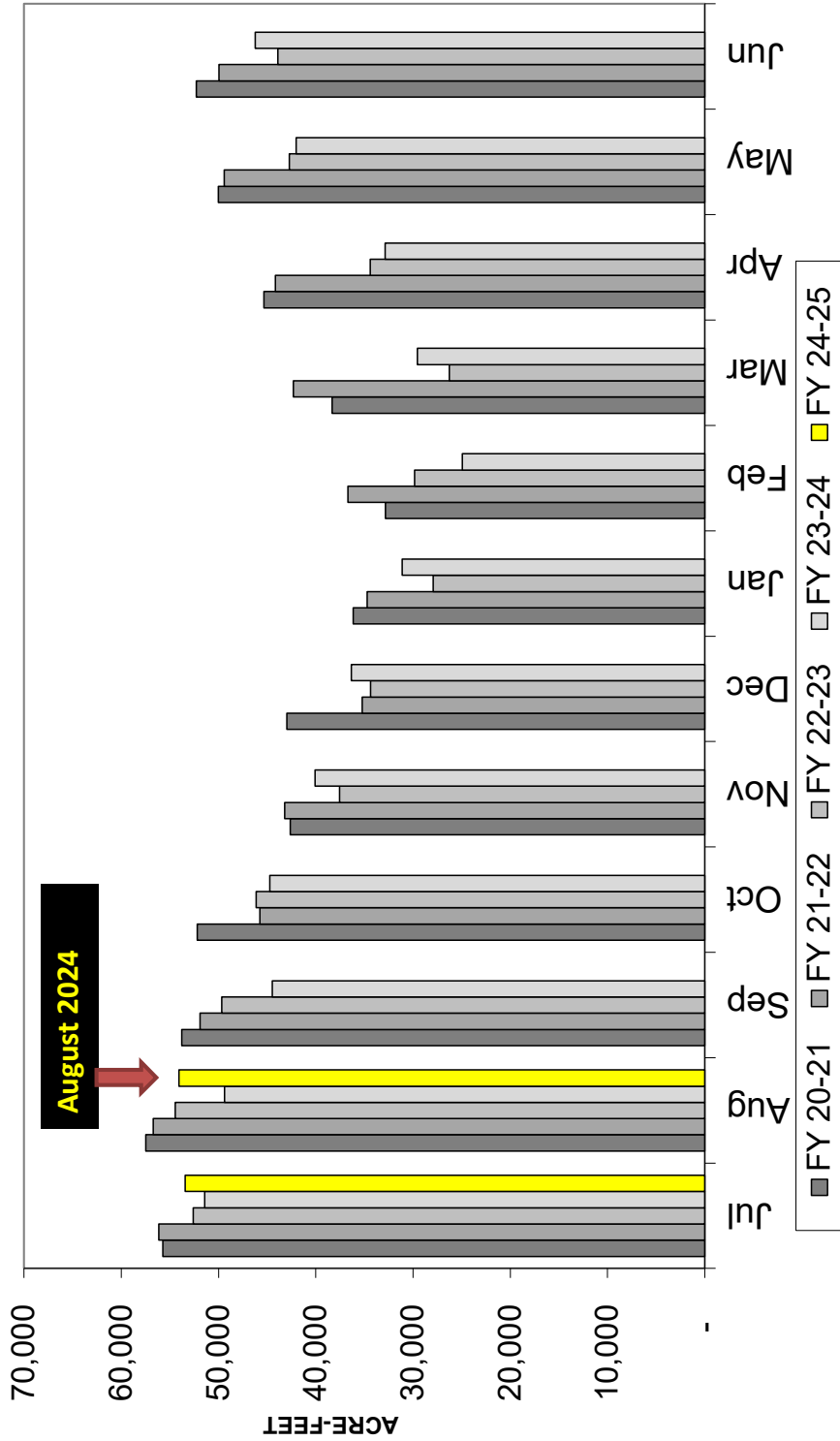
Fig. 1 OC Water Usage, Monthly by Supply with projection to end of fiscal year



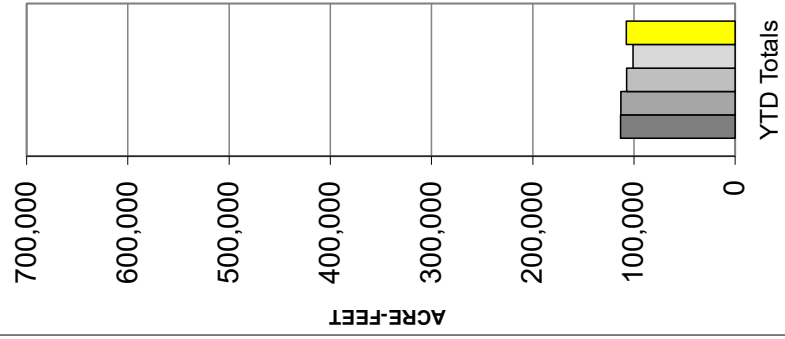
[1] Imported water for consumptive use. Includes "In-Lieu" deliveries and CUP water extraction. Excludes "Direct Replenishment" deliveries of spreading water and deliveries into Irvine Lake.
 [2] GW for consumptive use only. Excludes In-Lieu water deliveries and CUP water extraction that are counted with Import. BPP in FY '24-25 is 85%.
 [3] MWD/OC's estimate of monthly demand is based on the projected 5 Year historical retail water demand and historical monthly demand patterns.
 [4] Total water usage includes IRWD groundwater agricultural use and usage by non-retail water agencies.



Fig. 2 OC Monthly Water Usage [1]: Comparison to Last 4 Fiscal Years

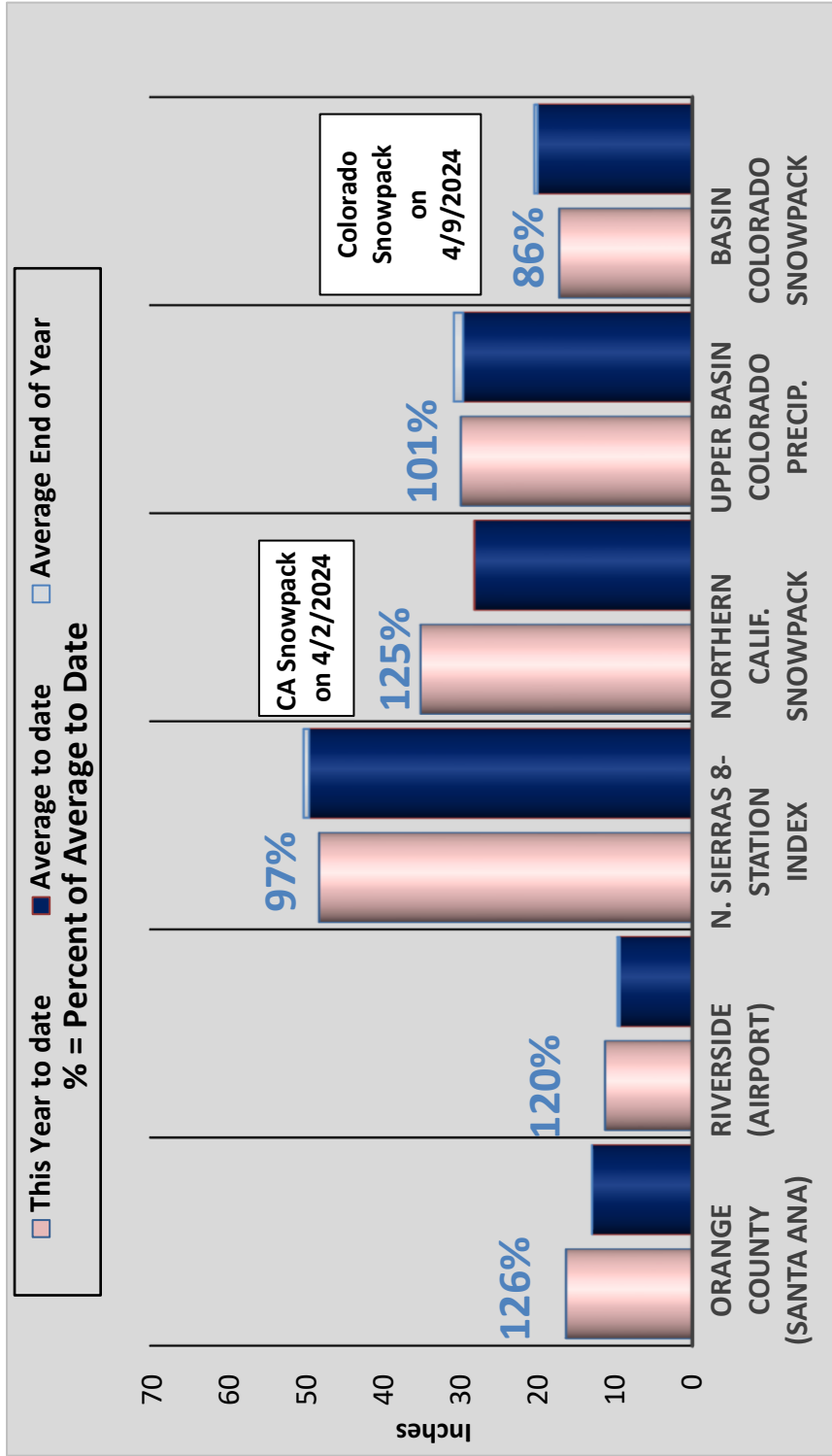


Partial Year Subtotals



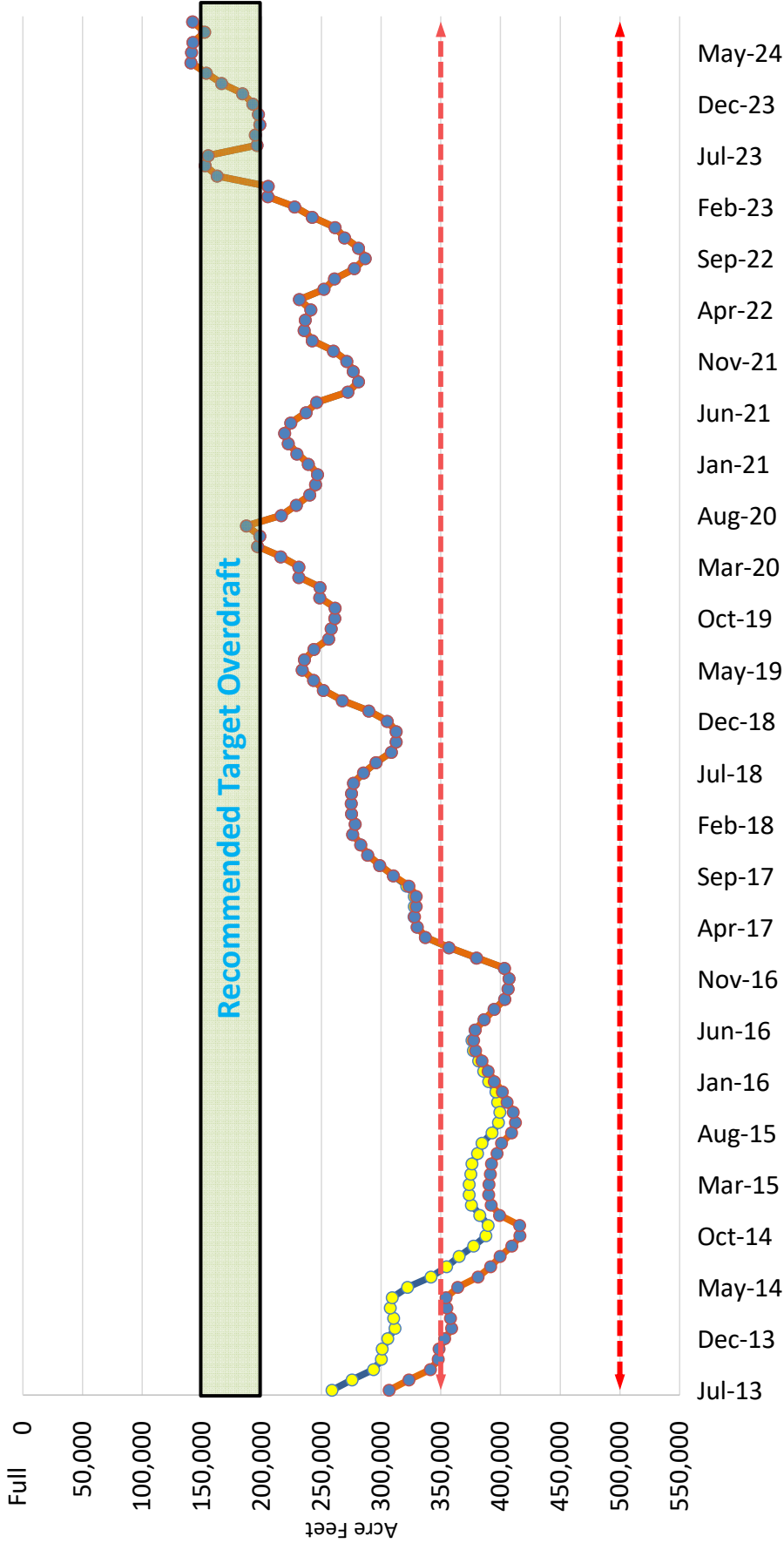
[1] Sum of imported water for consumptive use (includes "In-Lieu" deliveries; excludes "Direct Replenishment" and "Barrier Replenishment") and Local water for consumptive use (includes recycled and non-potable water and excludes GWRs production) Recent months numbers include some estimation.

Accumulated Precipitation for the Oct.-Sep. water year, as of Late September 2024



* The date of maximum snowpack accumulation (April 1st in Northern Calif. , April 15th in the Upper Colorado Basin) is used for year to year comparison.

Accumulated Overdraft of the OCWD Groundwater Basin as of August 2024



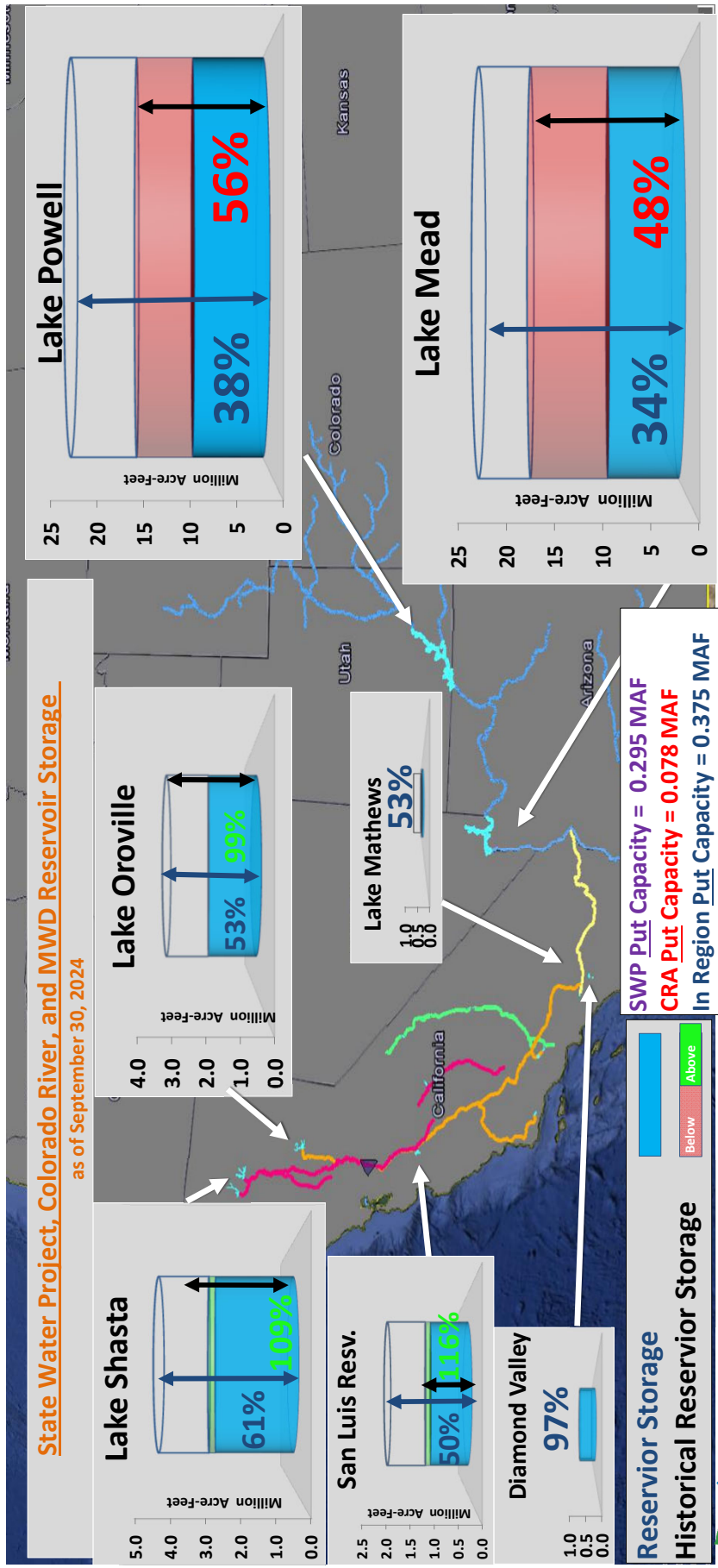
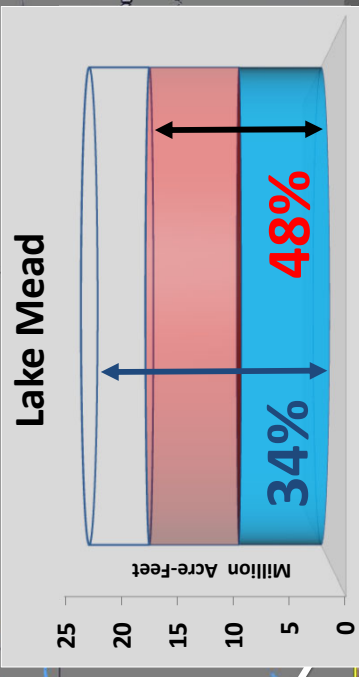
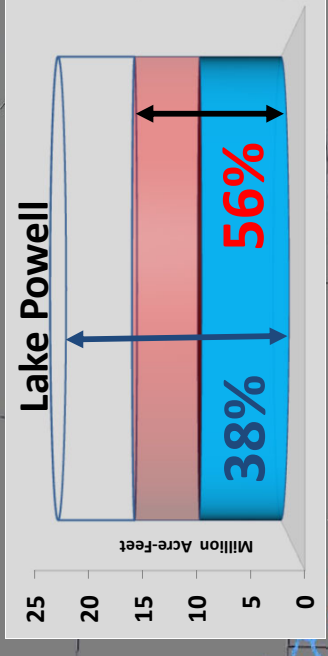
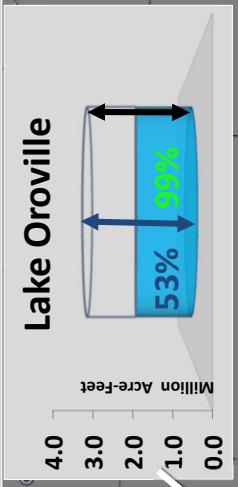
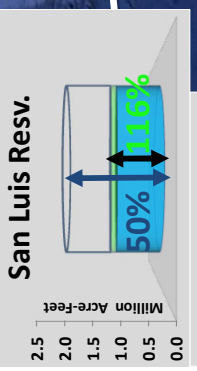
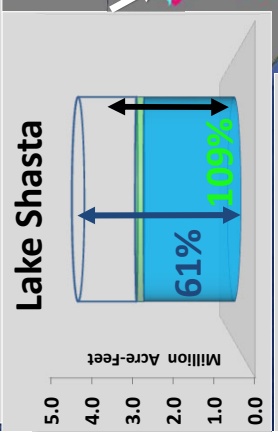
Month	AO with CUP Removed	Bottom of Basin Operating Range
Jul-13	250,000	150,000
Oct-13	260,000	150,000
May-14	270,000	150,000
Dec-13	280,000	150,000
Jul-14	290,000	150,000
Oct-14	300,000	150,000
Mar-15	310,000	150,000
Aug-15	320,000	150,000
Jan-16	330,000	150,000
Jun-16	340,000	150,000
Nov-16	350,000	150,000
Apr-17	360,000	150,000
Sep-17	370,000	150,000
Feb-18	380,000	150,000
Jul-18	390,000	150,000
Dec-18	400,000	150,000
May-19	410,000	150,000
Oct-19	420,000	150,000
Mar-20	430,000	150,000
Aug-20	440,000	150,000
Jan-21	450,000	150,000
Jun-21	460,000	150,000
Nov-21	470,000	150,000
Apr-22	480,000	150,000
Sep-22	490,000	150,000
Feb-23	500,000	150,000
Jul-23	510,000	150,000
Dec-23	520,000	150,000
May-24	530,000	150,000

Month	AO (AF)	AO w/CUP removed (AF)	AO (AF)	AO w/CUP removed (AF)
Jul-23	155,360	196,275	152,428	142,325
Aug-23	196,275	194,961	152,428	142,325
Sep-23	194,961	198,554		
Oct-23	198,554	197,412		
Nov-23	197,412	192,806		
Dec-23	192,806	184,258		
Jan-24	184,258	166,730		
Feb-24	166,730	153,904		
Mar-24	153,904	141,024		
Apr-24	141,024	141,462		
May-24	141,462	142,581		
Jun-24	142,581	141,462		
Jul-24	141,462	142,581		
Aug-24	142,325	142,325		

* Source ~ OCWD Monthly Board of Directors Packet, Water Resources Summary



State Water Project, Colorado River, and MWD Reservoir Storage
as of September 30, 2024



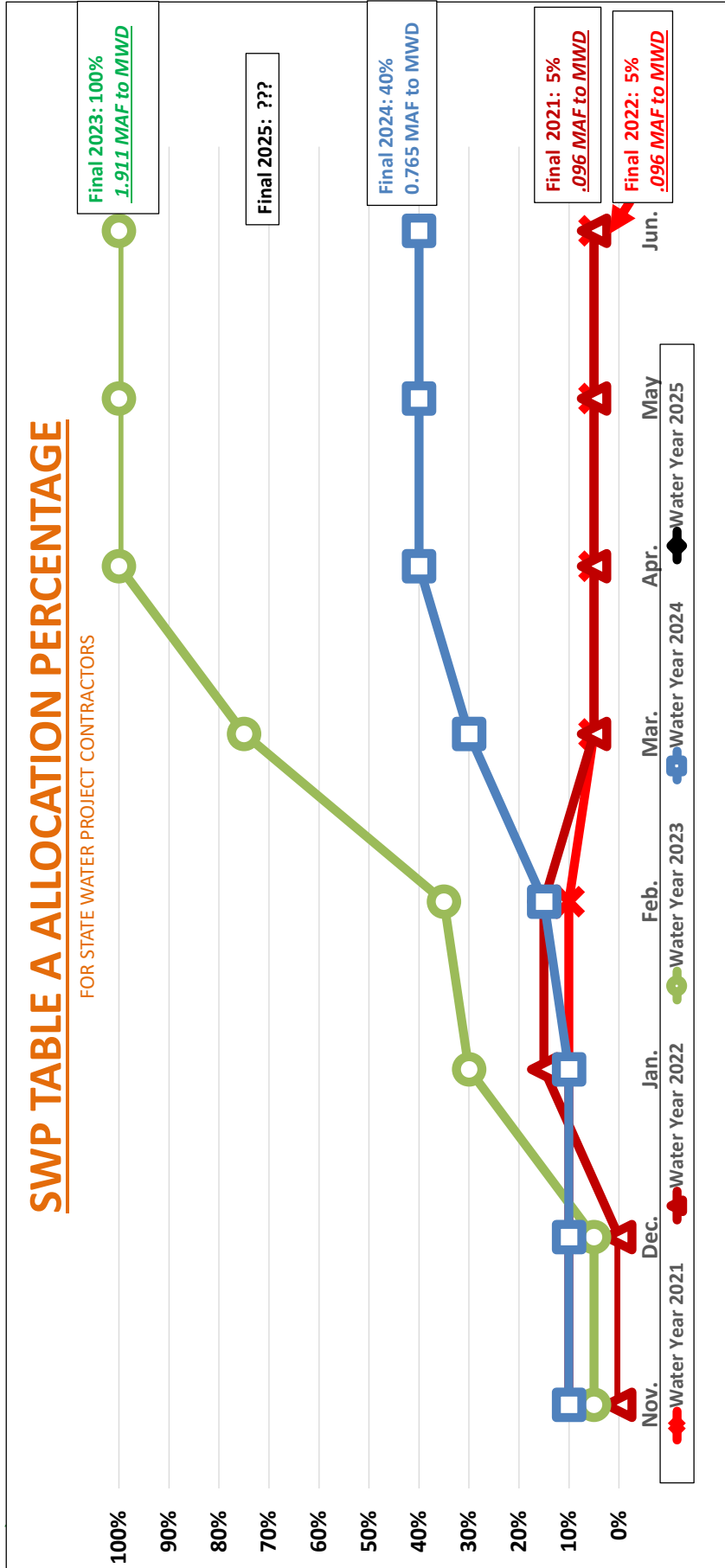
SWP Put Capacity = 0.295 MAF
CRA Put Capacity = 0.078 MAF
In Region Put Capacity = 0.375 MAF



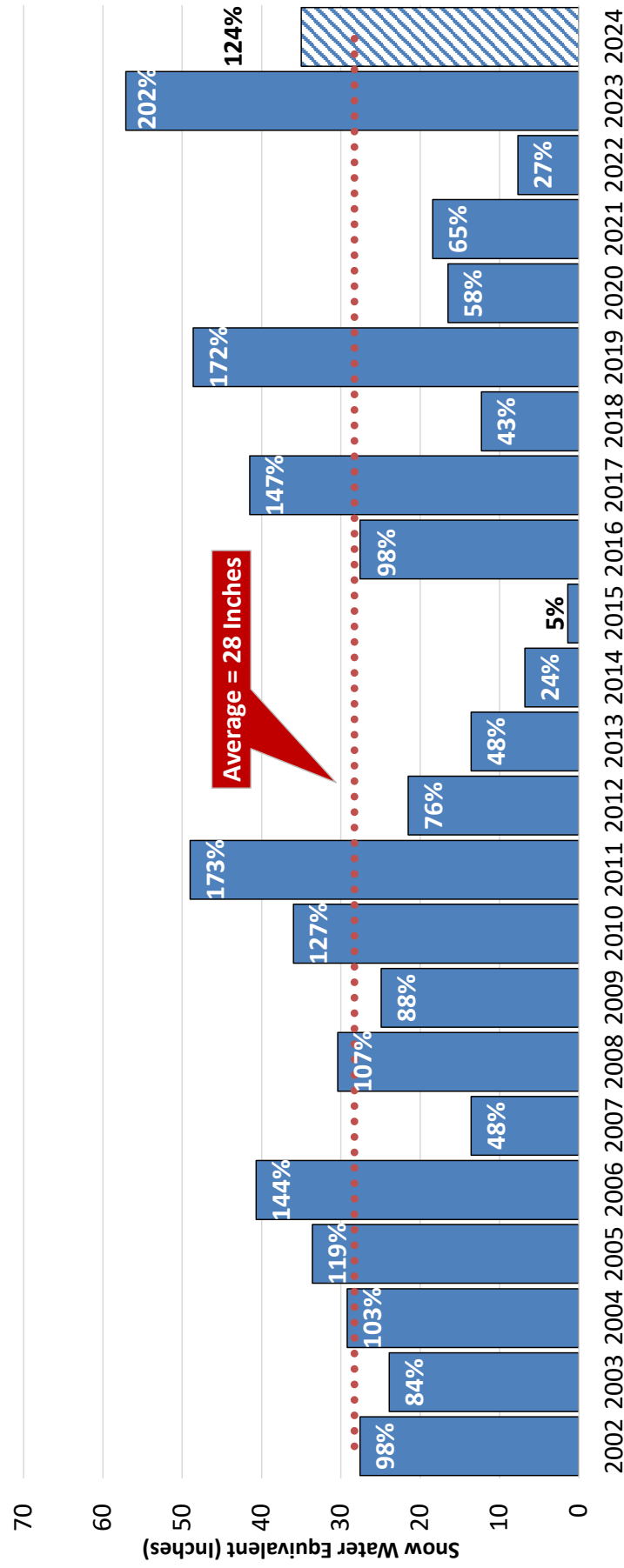
prepared by the Metropolitan Water District of Orange County
in accordance with the subject storage

SWP TABLE A ALLOCATION PERCENTAGE

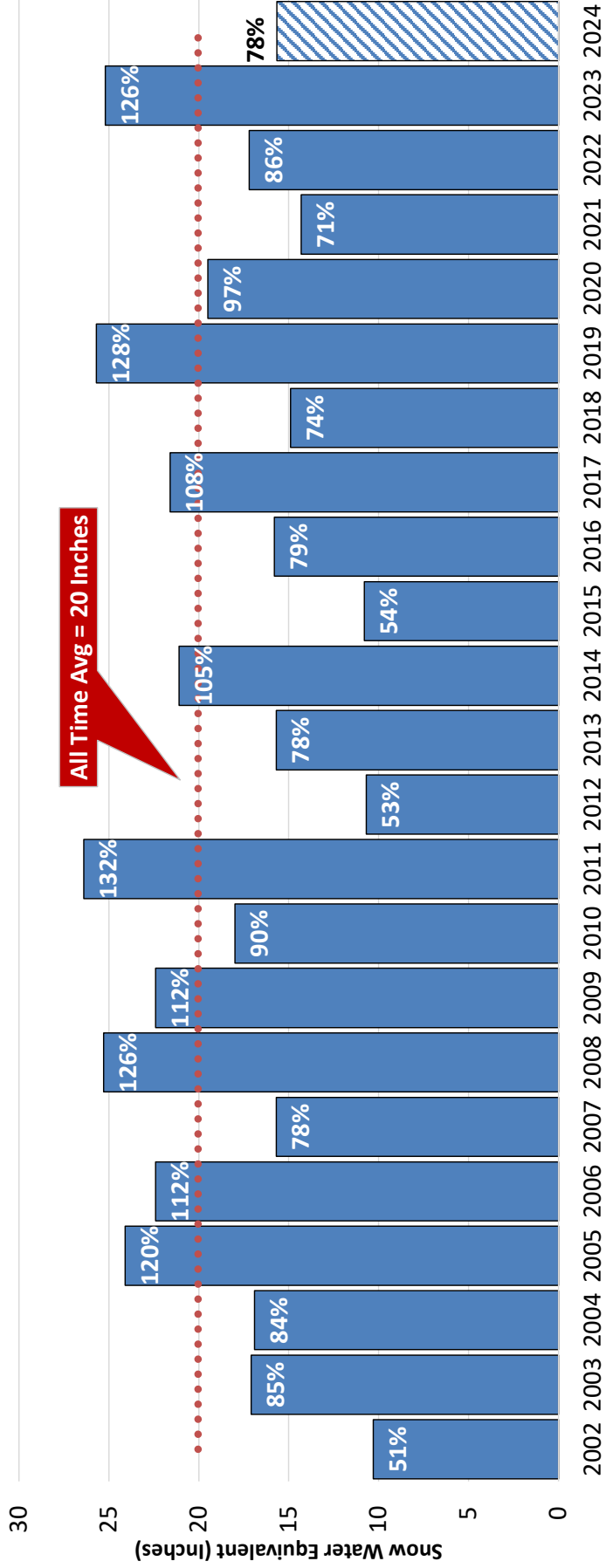
FOR STATE WATER PROJECT CONTRACTORS



Historical Northern California April 1st Peak Snow Water Equivalent

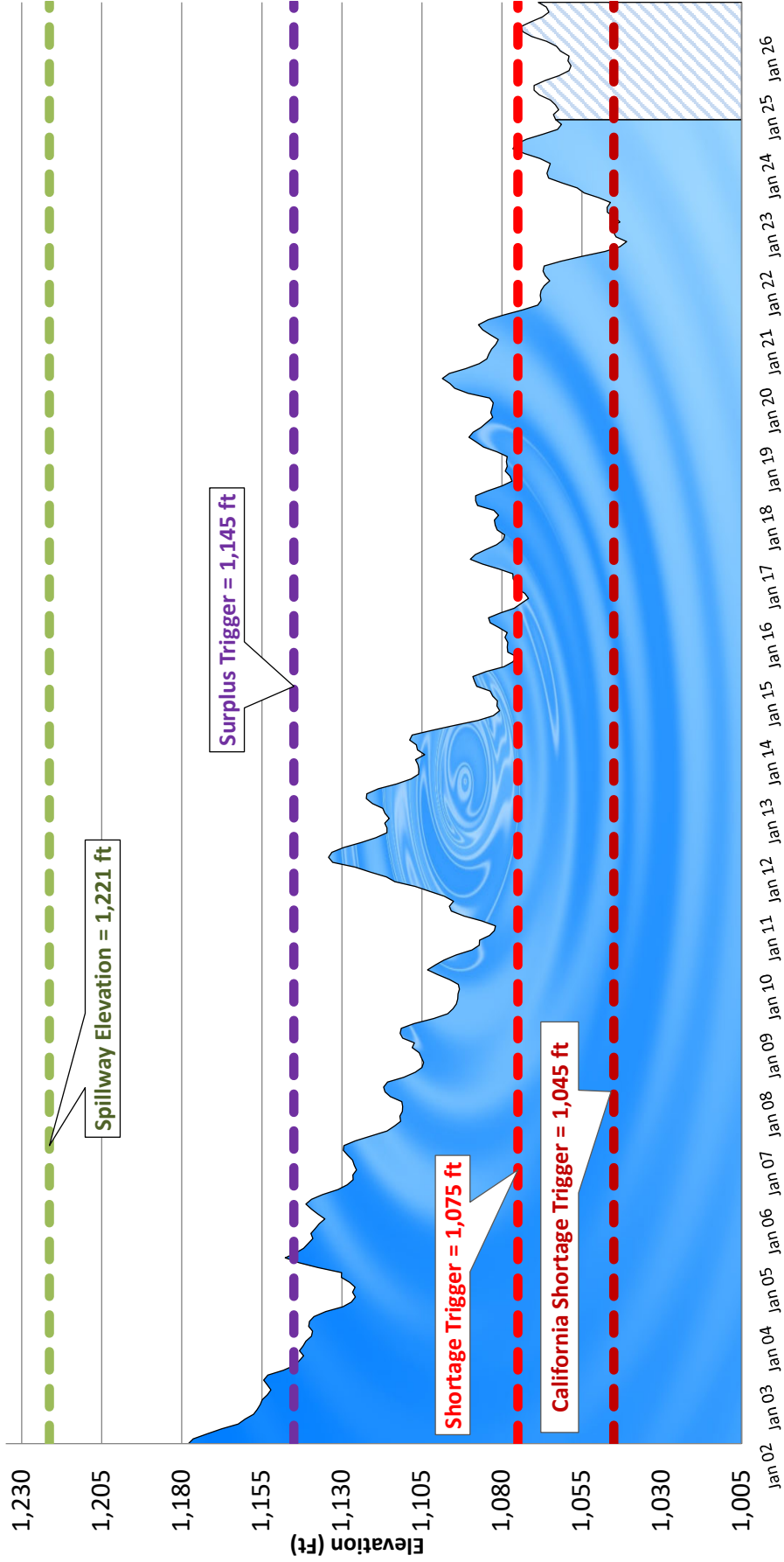


Historical Colorado Basin April 15th Peak Snow Water Equivalent





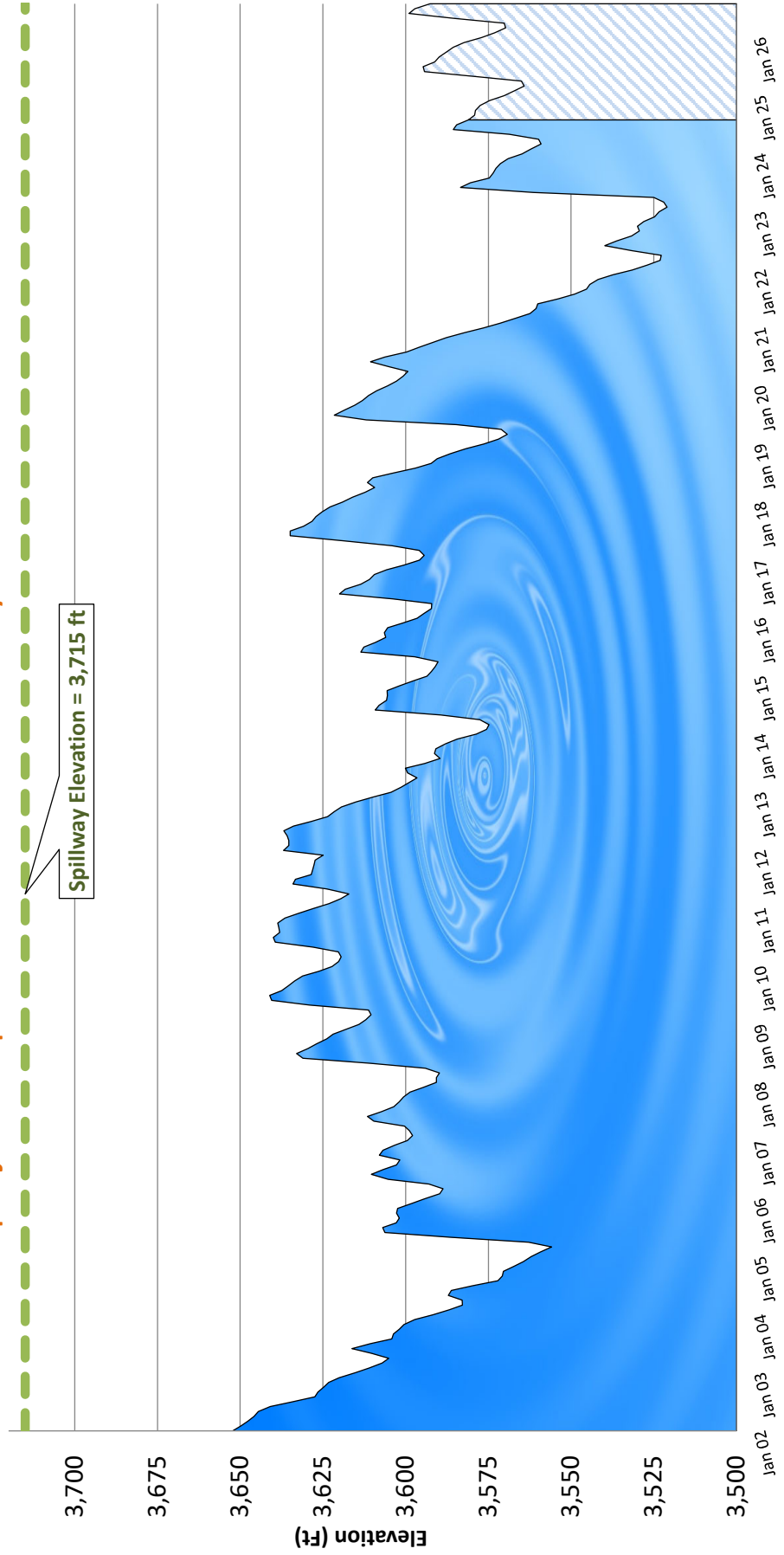
Lake Mead Levels: Historical and Projected projection per USBR 24-Month Study





Lake Powell Levels: Historical and Projected projection per USBR 24-Month Study

■ Historical □ Projected





Lake Mead Historical Water Elevation Level

