



AGENDA

EAST ORANGE COUNTY WATER DISTRICT
(EOCWD)
Thursday, September 17, 2026
East Orange County Water District
185 N. McPherson Road, Orange CA 92869
4:00 p.m.

1. **Call Meeting to Order; Pledge of Allegiance – Director Marquez**
2. **Addition of Items Arising After Posting of Agenda Requiring Immediate Action**
(Requires 2/3 vote or unanimous vote if less than 2/3 of members are present)
Recommendation: Determine by motion need to take immediate action on item(s) and that the need for action came to the District's attention after posting of the Agenda and that such item(s) be added to the Agenda.
3. **Public Communications to the Board:** Opportunity for members of the public to comment on agendized and non-agendized topics within the subject matter jurisdiction of the District. Generally, the Board cannot take action on, or discuss in detail, any item not appearing on this posted agenda. Each speaker and comment is limited to three minutes. A speaker who uses a translator will be allowed at least twice the standard time to address the Board. Interested speakers who verbally indicate their desire to speak during this item shall be afforded an opportunity to address the Board. At the discretion of the Board President, comments on a particular agendized item may be deferred until that item is heard.

CONSENT CALENDAR (Items 4-9) All matters on the Consent Calendar are to be approved by one motion, without separate discussion on these items, unless a Board member or District staff request that specific items be removed from the Consent Calendar for separate consideration.

4. Minutes of Regular Board Meeting held July 23, 2026.
Recommendation: Approve minutes as presented.
5. Wholesale and Retail Water Usage Report
Recommendation: Informational.
6. Schedule of Disbursements
Recommendation: Receive and File.
7. Financial Statements
Recommendation: Receive and File.
8. Conflict of Interest Policy Update
Recommendation: Adopt Resolution No. 26/27.03.
9. Emergency Response Plan Roles & Responsibilities
Recommendation: Informational.

MATTERS FOR CONSIDERATION

10. Handy Creek Reservoir Final Design
Recommendation: Approve Final Design Award.
11. General Manager's Report
Recommendation: Receive and File.

MISCELLANEOUS ITEMS

12. Monthly Legislative & Outreach Report
Recommendation: Receive and File.
13. Directors' reports on meetings attended at District expense (Government Code Section 53232.3) and Directors' comments. Directors or staff may ask questions for clarification, make brief announcements, and make brief reports on their own activities. Directors may provide a reference to staff or other resources for factual information, request staff to report back at a subsequent meeting concerning a matter, or direct staff to place a matter on a future agenda (Government Code § 54954.2)

ADJOURNMENT

Adjourning to the next Regular Meeting scheduled for **October 22, 2026** at 4:00 p.m., at East Orange County Water District, 185 N. McPherson Road, Orange, CA 92869 or as noticed pursuant to findings of the Board.

Availability of agenda materials: Agenda exhibits and other writings that are disclosable public records distributed to all or a majority of the members of the East Orange County Water District Board of Directors in connection with a matter subject to discussion or consideration at an open meeting of the Board are available for public inspection in the District's office, 185 N. McPherson Road, Orange, California ("District Office"). If such writings are distributed to members of the Board less than 72 hours prior to the meeting, they will be available at the reception desk of the District Office during business hours at the same time as they are distributed to the Board members, except that if such writings are distributed less than one hour prior to, or during, the meeting, they will be available in the meeting room of the District Office.

Disability-related accommodations: The East Orange County Water District Board of Directors meeting room is wheelchair accessible. If you require any special disability-related accommodations (e.g., access to an amplified sound system, etc.) please contact Sylvia Prado in the District Office at sprado@eocwd.com or (714) 538-5815 during business hours at least twenty-four (24) hours prior to the scheduled meeting. This agenda can be obtained in alternative format upon written request to Sylvia Prado in the District Office, at least seventy-two (72) hours prior to the scheduled meeting.



MINUTES OF THE
REGULAR MEETING OF THE BOARD OF DIRECTORS
OF THE EAST ORANGE COUNTY WATER DISTRICT (EOCWD)

July 23, 2026

1. Call to Order. A Regular Meeting of the Board of Directors of the East Orange County Water District, held at the District Office, located at 185 N. McPherson Road in the City of Orange, California, was called to order by President GEORGE MURDOCH at 4:00 p.m. on Thursday, July 23, 2026. Director DAVERT led the Pledge of Allegiance.

The following Directors attended the meeting: DOUGLASS DAVERT, KARIN MARQUEZ, GEORGE MURDOCH, and MARILYN THOMS. Director JOHN SEARS was absent.

Also present were:

DAVID YOUNGBLOOD
JERRY MENDZER
BOBBY YOUNG
SYLVIA PRADO
JEFF HOSKINSON
CHAD WANKE
ERIN MURRAY

General Manager
Operations Manager
Engineering Manager
Office Manager
Board Secretary/General Counsel
Orbis Public Affairs (Consultant)
Member of the Public

Other staff and members of the public may have attended but are not listed above.

- 2. Addition of Items Arising After Posting of Agenda Requiring Immediate Action.**
(Requires 2/3 vote or unanimous vote if less than 2/3 of members are present).

ACTION TAKEN: None.

- 3. Public Communications to the Board.** None.

CONSENT CALENDAR. The Board, on motion by DAVERT, seconded by THOMS, approved the Consent Calendar by a vote of 4-0-1 (Director SEARS absent) as follows:

- 4. Minutes of Regular Board Meeting held May 28, 2026:** THE BOARD APPROVED THE MINUTES AS PRESENTED;
- 5. Wholesale and Retail Water Usage Report:** THE BOARD RECEIVED AND FILED THE WHOLESALE AND RETAIL WATER USAGE REPORT;
- 6. Schedule of Disbursements:** THE BOARD RECEIVED AND FILED THE SCHEDULE OF DISBURSEMENTS;
- 7. Financial Statements:** THE BOARD RECEIVED AND FILED THE FINANCIAL STATEMENTS;

8. **ISDOC Nomination:** THE BOARD ADOPTED RESOLUTION NO. 26.27.01; and
9. **Support for ACWA's Vision Program:** THE BOARD ADOPTED RESOLUTION NO. 26.27.02.

MATTERS FOR CONSIDERATION.

10. **Customer Appeal on Automated Metering Infrastructure (AMI) Metering.** General Manager Youngblood introduced the item, explaining that the District's AMI installation is nearing completion (approximately 1,200 meters installed, roughly 20 remaining), that the meters are located in the public right-of-way and transmit a small amount of data via cellular connection for about one second, four times per day, and that the District does not currently offer an opt-out. District customer Erin Murray addressed the Board, raising health concerns regarding radio-frequency emissions and requesting that the District adopt an opt-out policy. Following discussion, while President MURDOCH requested that General Manager Youngblood bring any evidence provided back to the Board if further consideration warranted, the Board was not inclined to grant the appeal based on the location of the meter in the public right-of-way.

ACTION TAKEN: The Board, on motion by DAVERT, seconded by MARQUEZ, by a vote of 4-0-1 (Director SEARS absent), denied the appeal and directed staff to proceed with installation of the meter.

11. **Response to Orange County Grand Jury Report on PFAS.** The Board considered the proposed response letter to the Orange County Grand Jury report on PFAS.

ACTION TAKEN: The Board, on motion by DAVERT, seconded by THOMS, by a vote of 4-0-1 (Director SEARS absent), approved the response letter.

12. **General Manager's Report.** General Manager Youngblood highlighted key elements of his report, including that the AMI project is down to approximately 11 remaining meters and that the District's transition of banking services to Five-Star Bank is underway, with different investment strategies to be brought back as a future item.

ACTION TAKEN: The Board, on motion by DAVERT, seconded by MARQUEZ, by a vote of 4-0-1 (Director SEARS absent), received and filed the report.

MISCELLANEOUS ITEMS.

13. **Monthly Legislative & Outreach Report.** The Board received the monthly legislative and outreach report, including the written Townsend Public Affairs report in the packet and a verbal update from Chad Wanke of Orbis Public Affairs addressing county and local city political developments, special district personnel changes, and local city financing and budget matters.

ACTION TAKEN: The Board, on motion by DAVERT, seconded by MARQUEZ, by a vote of 4-0 (Director SEARS absent), received and filed the Monthly Legislative and Outreach Report.

14. Directors' reports on meetings attended at District expense (Government Code Section 53232.3) and Directors' comments.

President Murdoch

5/5-5/7 ACWA Conference, Sacramento, CA
5/19 Interview Panel – Assistant Water Utilities Director
5/20 EOCWD Engineering & Operations Committee
5/22 ACWA Projects of Statewide Significance Task Force Launch Meeting
5/28 EOCWD Regular Board Meeting
6/1 ACWA Region 10 Event Planning Meeting
6/5 ACWA Board Meeting, Sacramento, CA
6/15 MWDOC Water Policy Forum & Dinner
6/16 EOCWD GM Evaluation Meeting
6/17 T.E.A.M. Presentation
6/22 ACWA Region 10 Planning Meeting

Vice President Thoms

5/1 Water Advisory Committee of Orange County (WACO)
5/5 ISDOC Executive Committee Meeting
5/20 EOCWD Engineering & Operations Committee
5/28 EOCWD Regular Board Meeting
6/5 Water Advisory Committee of Orange County (WACO)
6/9 ISDOC Executive Committee Meeting

Director Davert

5/28 EOCWD Regular Board Meeting

Director Sears

5/1 Water Advisory Committee of Orange County (WACO)
5/19 EOCWD Administration & Finance Committee Meeting
5/28 EOCWD Regular Board Meeting
6/5 Water Advisory Committee of Orange County (WACO)
6/15 MWDOC Water Policy Forum & Dinner

Director Marquez

5/19 EOCWD Administration & Finance Committee Meeting
5/28 EOCWD Regular Board Meeting
6/15 MWDOC Water Policy Forum & Dinner

President MURDOCH reported that Karla Nemeth will take over as Executive Director of ACWA in September, with interim CEO Marwan Khalifa continuing in deputy position to support the transition. He also provided a Task Force update, noting two recent trips and that progress has been more difficult than hoped, and discussed Colorado River issues, including that Lake Mead and Lake Powell are not doing well.

No additional Director or staff comments were offered.

CLOSED SESSION.

15. Public Employee Performance Evaluation (Government Code § 54957) – Title: General Manager.
16. Conference with Labor Negotiators (Government Code § 54957.6) – Agency Representative: George Murdoch, Board President; Unrepresented Employee: General Manager.

RECONVENE IN OPEN SESSION.

17. **Consider Approval of General Manager Contract and/or Compensation Amendments.** Following closed session, the Board considered amendments to the General Manager's contract and compensation, including a \$10,000 contribution to the General Manager's 457 plan to be incorporated into a contract amendment, retroactive to July 1, 2026.

ACTION TAKEN: The Board, on motion by DAVERT, seconded by THOMS, by a vote of 4-0-1 (Director SEARS absent), approved a 6.2% salary increase for the General Manager, effective July 1, 2026, together with the related contract amendment.

ADJOURNMENT.

The Board adjourned the meeting at approximately 5:59 p.m. to a regular meeting to be held at 4:00 p.m. on Thursday, August 27, 2026, at the District Office located at 185 N. McPherson Road, Orange, California 92869.

Respectfully submitted,

Jeffrey A. Hoskinson



MEMO

TO: BOARD OF DIRECTORS
FROM: GENERAL MANAGER *[Signature]*
SUBJECT: WHOLESALE AND RETAIL WATER USAGE REPORT
DATE SEPTEMBER 17, 2026

Background

Monthly report on wholesale and retail water usage for the fiscal year through August 2026.

Recommendation

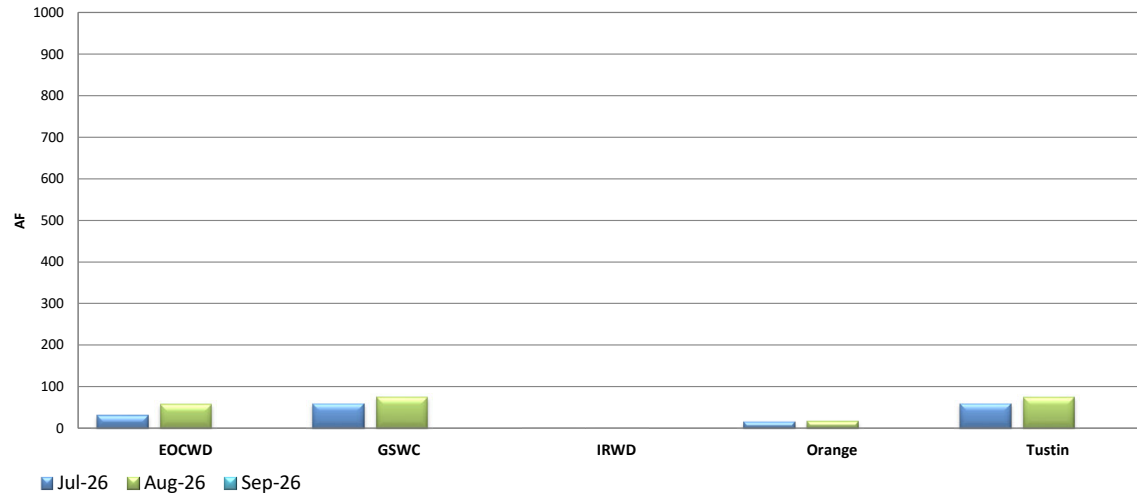
Informational.

Attachment(s): Wholesale and Retail Usage Reports
East Well Levels Report

Wholesale Zone Water Demand

Total Monthly Sales for August 2026 = 221.5 AF

Total YTD Sales for July 2026 - June 2027 = 388.2 AF

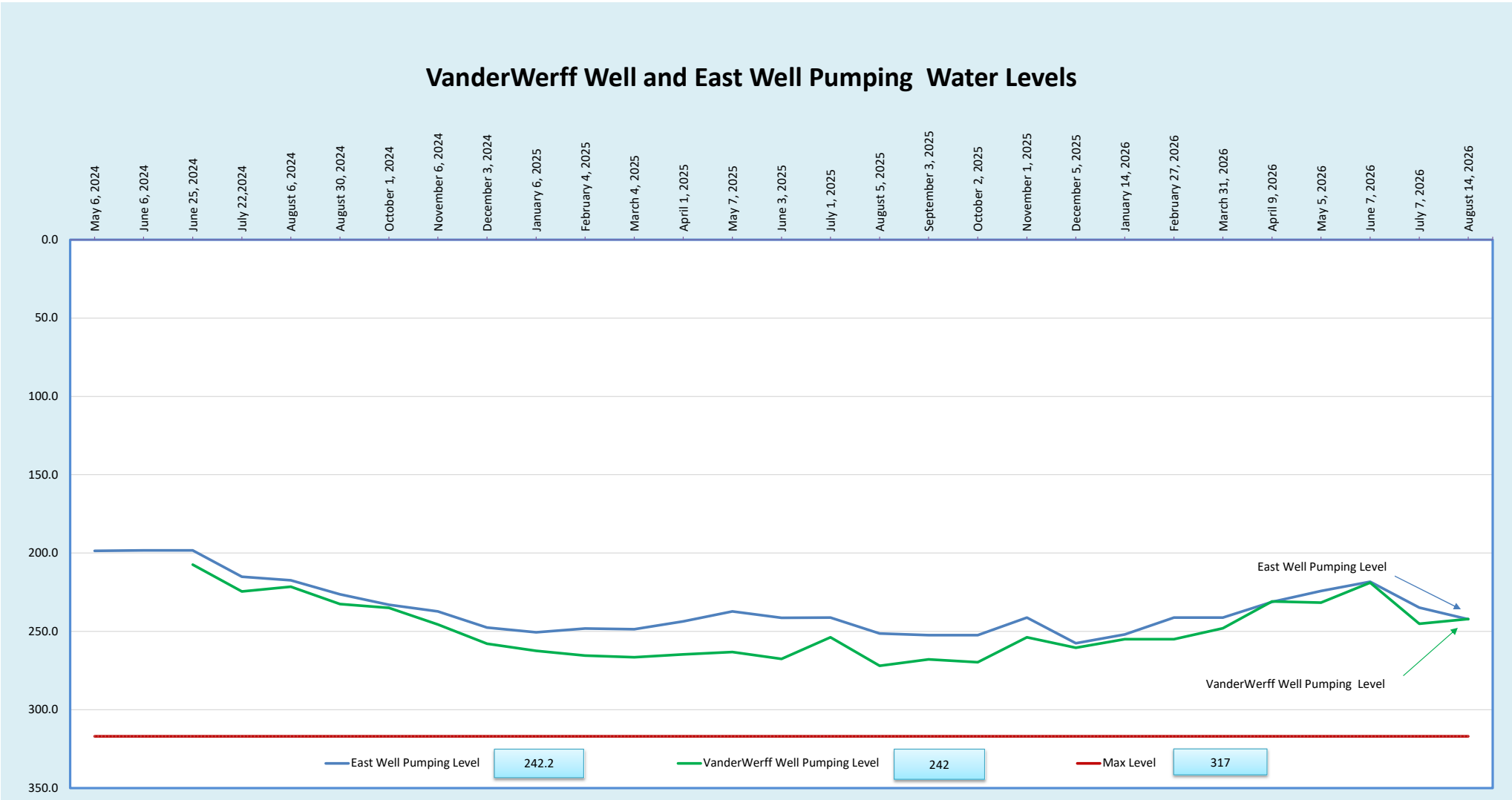


EOCWD IMPORTED WATER DELIVERY BALANCE - FY25/26

(Acre-feet)

	OC-43	OC-48				OC-70						TOTAL DELIVERIES BY AGENCY					
	MWD Tustin	Retail Zone	Golden State	Tustin	MWD Total	IRWD Jamboree	Orange	Retail Zone	Golden State	Tustin	MWD Total	IRWD OPA	Orange	Retail Zone	Golden State	Tustin	
JUL	49.3	21.8	0.0	9.0	30.8	0.0	15.6	9.3	60.1	1.6	86.6	0.0	15.6	31.1	60.1	59.9	
AUG	59.6	21.9	0.0	12.6	34.5	0.0	16.9	35.0	74.0	1.5	127.4	0.0	16.9	56.9	74.0	73.7	
SEP																	
OCT																	
NOV																	
DEC																	
JAN																	
FEB																	
MAR																	
APR																	
MAY																	
JUN																	
Total	108.9	43.7	0.0	21.6	65.3	0.0	32.5	44.3	134.1	3.1	214.0	0.0	32.5	88.0	134.1	133.6	

VanderWerff Well and East Well Pumping Water Levels



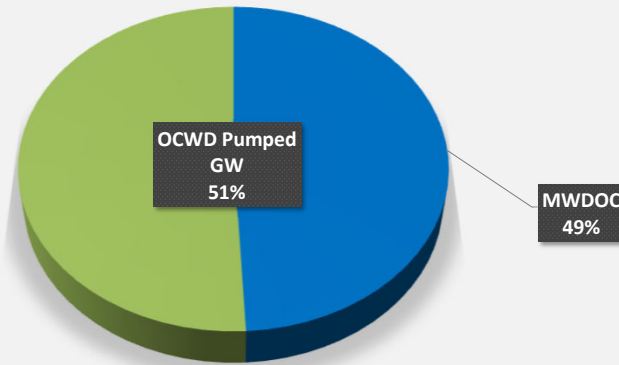
East Orange County Retail Zone Water Usage Report

East Orange County Retail Zone Overview of Usage FY 2026-27 Monthly Water Use

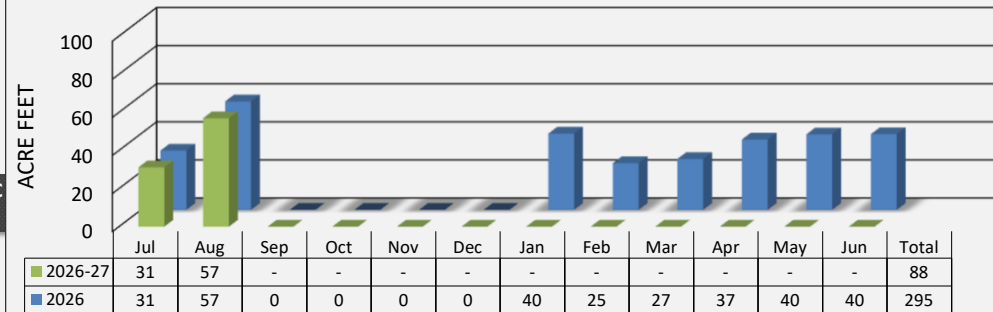
Type of Supply	July	August	September	October	November	December	January	February	March	April	May	June	Total
MWDOC	31	57	-	-	-	-	-	-	-	-	-	-	88
OCWD Pumped GW	56.8	34.2	-	-	-	-	-	-	-	-	-	-	91
Total	88	91	-	-	-	-	-	-	-	-	-	-	179

2026 MWDOC Usage	31	57	0	0	0	0	40	25	27	37	40	40	295
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2026-27 Sources of Water



MWDOC Calendar Year and Fiscal Year Purchases



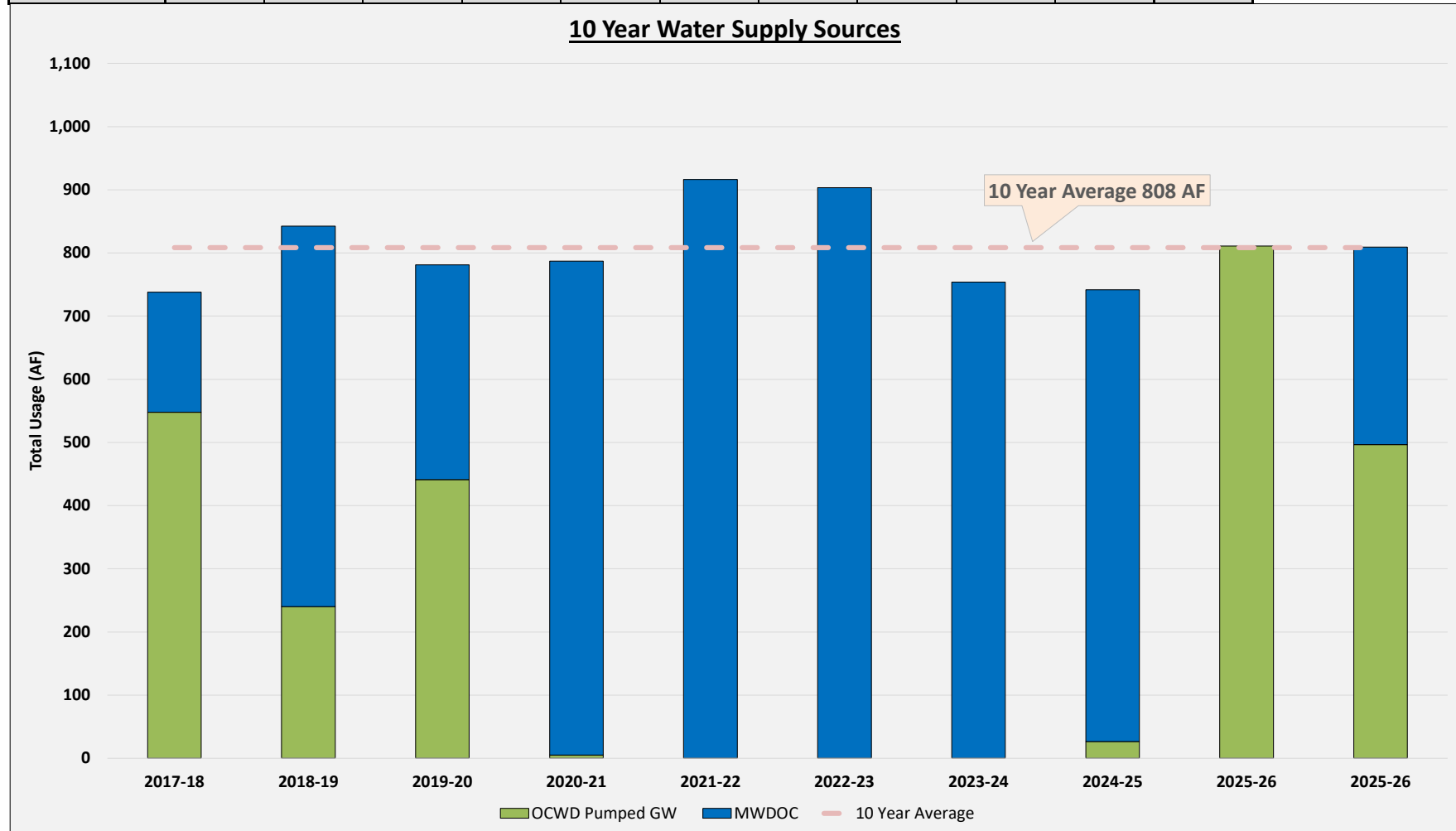
2026-27 Monthly Water Supply Sources



East Orange County Retail Zone Water Usage Report

Annual Water Usage

Type of Supply	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2025-26	Average
MWDOC	190.2	602.1	340.0	781.8	916.4	903.3	753.9	715.3	0.0	312.6	551.6
OCWD Pumped GW	547.8	240.2	441.3	5.2	0.0	0.0	0.0	26.3	811.0	496.8	256.9
Total	738	842	781	787	916	903	754	742	811	809	808

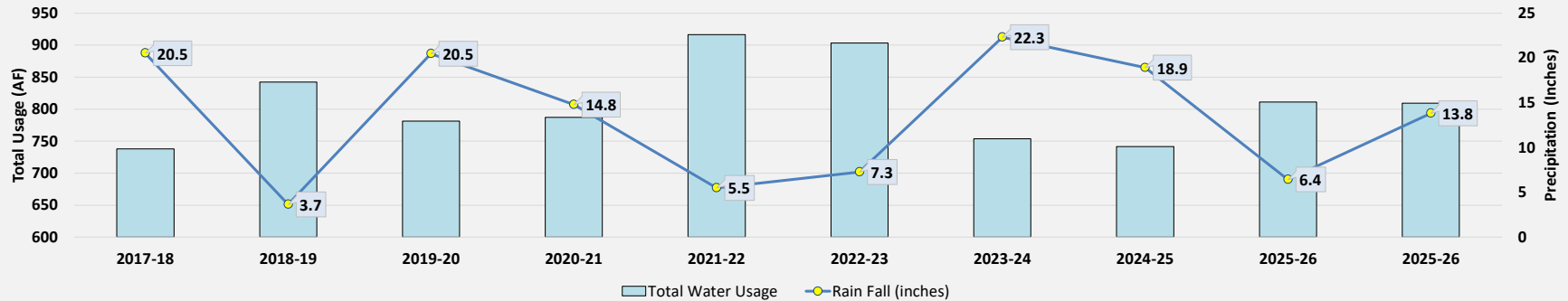


East Orange County Retail Zone Water Usage Report

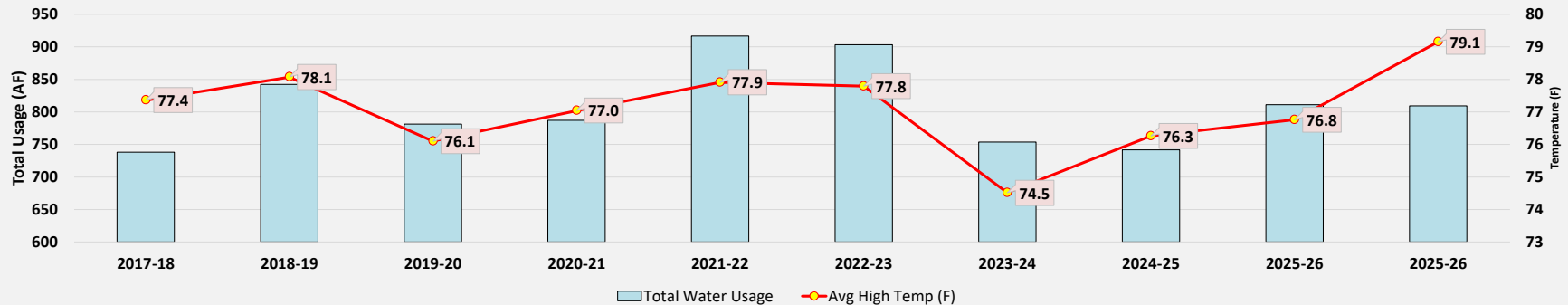
Water Usage Variables

Type of Supply	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	Average
Rain Fall (inches)	20.5	3.7	20.5	14.8	5.5	7.3	22.3	18.9	6.4	13.8	13.4
Avg High Temp (F)	77.4	78.1	76.1	77.0	77.9	77.8	74.5	76.3	76.8	79.1	77.1
OC Unemployment %	3.8%	3.2%	2.9%	5.8%	8.1%	4.2%	3.2%	3.8%	4.0%	4.1%	4.3%
Total Water Usage	738	842	781	787	916	903	754	742	811	809	808

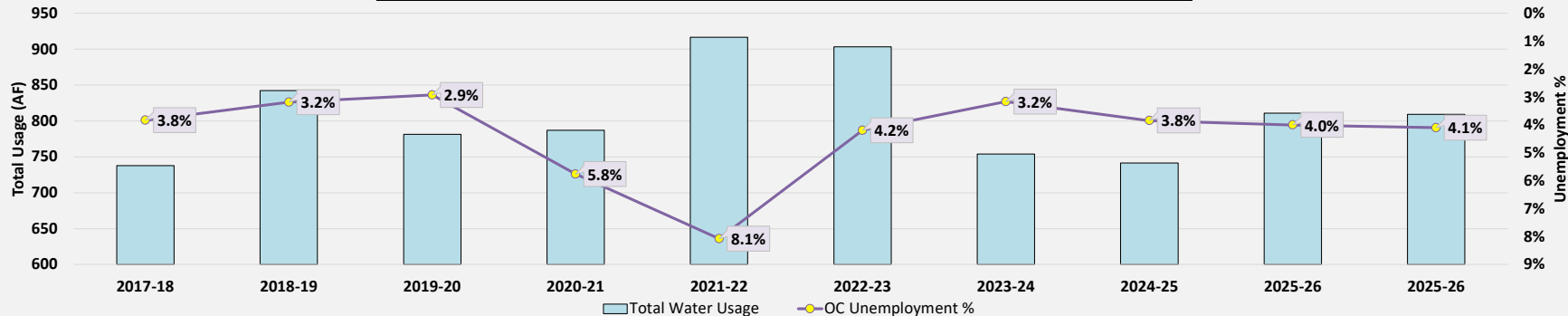
10 Year Water Usage VS Precipitation (SNA #121 Station)



10 Year Water Usage VS Average High Temperature (Santa Ana Fire Station)



10 Year Water Usage VS L.A. Metro Annual Average Unemployment Percentages



East Orange County Retail Zone Water Usage Report

East Orange County Retail Zone Detailed Usage Historical Monthly Potable Usage (Fiscal Year, July-June)

Fiscal Year	July	August	September	October	November	December	January	February	March	April	May	June	Total
2020-21 Usage	90	99	93	90	74	68	62	54	43	64	84	95	916
2021-22 Usage	100	102	89	76	73	48	55	62	69	72	78	79	903
2022-23 Usage	84	87	81	68	57	53	39	45	38	60	70	72	754
2023-24 Usage	82	85	76	77	65	57	38	35	39	48	66	73	742
2024-25 Usage	79	95	81	72	62	61	59	49	43	64	70	77	811
2025-26 Usage	85	86	81	72	53	50	46	50	64	65	78	80	809
Average of Last 6 FYs	87	93	83	76	64	56	50	49	49	62	74	79	823
Monthly Usage Percentage	11%	11%	10%	9%	8%	7%	6%	6%	6%	8%	9%	10%	100%

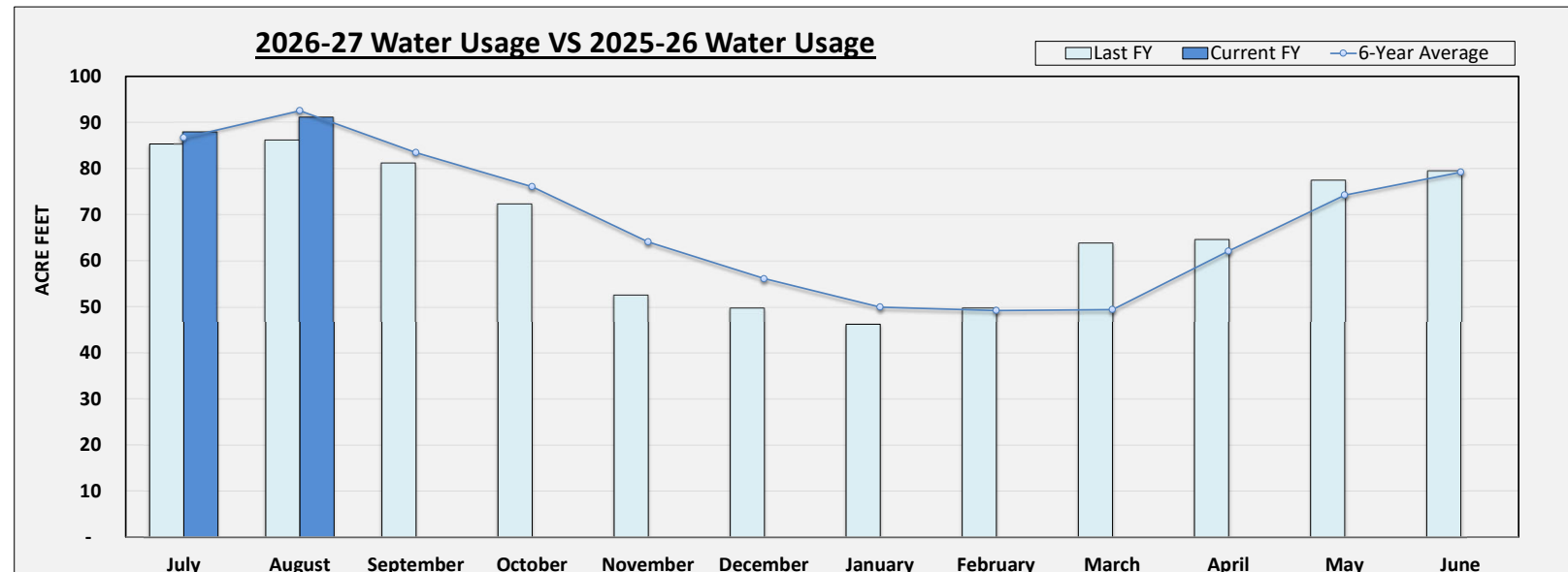
Water Usage By Source

Imported	July	August	September	October	November	December	January	February	March	April	May	June	Total
MWD via EO Wholesale	31.1	56.9											88.0
Water from IRWD during OC-70 shutdown	-	-											-
CPTP	-	-											-
MWD In-Lieu*	-	-											-
Imported Total	31	57	-	-	-	-	-	-	-	-	-	-	88.0

*In-lieu totals are subtracted from imported totals

Local	July	August	September	October	November	December	January	February	March	April	May	June	Total
OCWD Pumped GW	56.8	34.2											91.0
Less Fill up Reservoir	-	-											-
Less CPTP	-	-											-
OCWD to Tustin	-	-											-
OCWD to GSWC	-	-											-
Local Total (minus reservoir)	56.8	34.2	-	-	-	-	-	-	-	-	-	-	91.0

Total Usage 2026-27	88	91	-	-	-	-	-	-	-	-	-	-	179
FY 25-26 versus FY 26-27	+3%	+6%											

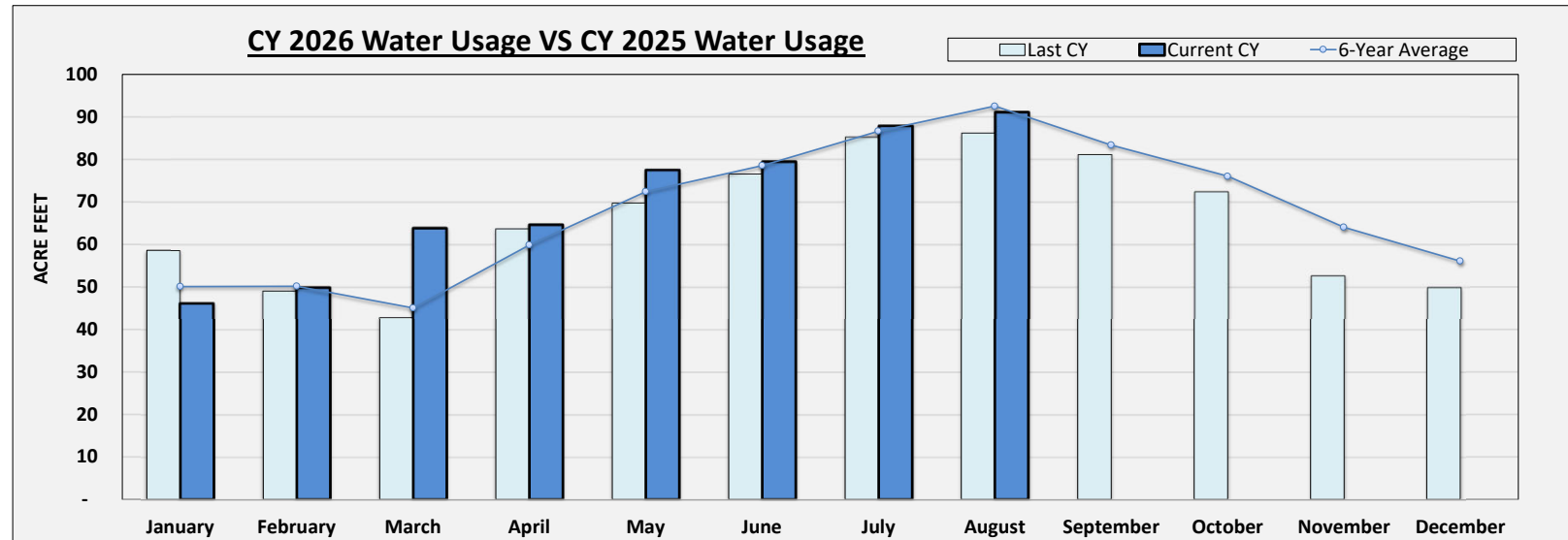


East Orange County Retail Zone Water Usage Report

Historical Monthly Potable Usage (Calendar Year)

Calendar Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
2020	47	56	38	52	67	76	90	99	93	90	74	68	849
2021	62	54	43	64	84	95	100	102	89	76	73	48	891
2022	55	62	69	72	78	79	84	87	81	68	57	53	846
2023	39	45	38	60	70	72	82	85	76	77	65	57	766
2024	38	35	39	48	66	73	79	95	81	72	62	61	750
2025	59	49	43	64	70	77	85	86	81	72	53	50	788
6 year Average	50	50	45	60	72	79	87	93	83	76	64	56	815

Total Water Usage 2026	46	50	64	65	78	80	88	91	-	-	-	-	561
2026 VS 2025 Usage	-21%	+2%	+49%	+2%	+11%	+4%	+3%	+6%					



	Population	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2025 Usage (AF)	3,418	59	49	43	64	70	77	85	86	81	72	53	50	788
2025 GPCD		180	167	132	202	215	243	262	265	258	223	167	153	206
2026 Usage (AF)	3,400	46	50	64	65	78	80	88	91	-	-	-	-	561
2026 GPCD		143	171	198	207	240	254	272	282	-	-	-	-	221
CY over CY change in GPCD		-37	+4	+66	+4	+25	+11	+9	+17					+15

	Population	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
2025-25 Usage (AF)	3,418	85	86	81	72	53	50	46	50	64	65	78	80	809
2025-26 GPCD		262	265	258	223	167	153	142	170	197	206	238	253	211
2026-27 Usage (AF)	3,400	88	91	-	-	-	-	-	-	-	-	-	-	179
2026-27 GPCD		272	282	-	-	-	-	-	-	-	-	-	-	277
FY over FY change in GPCD		+9	+17											+65

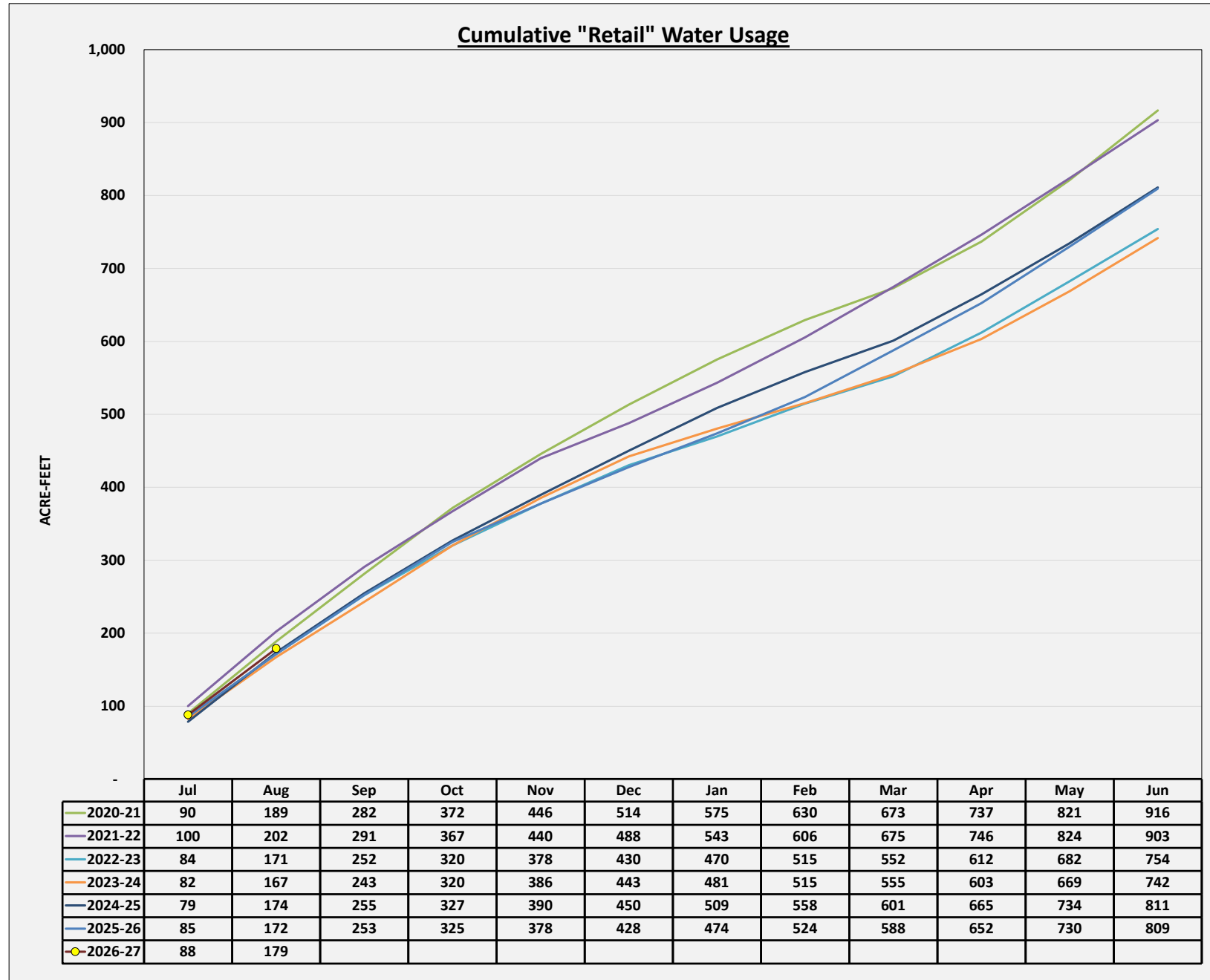
*Cumulative through the end of the last month shown

*GPCD = (Total Monthly Production - Fill up Reservoir) / Population/days in the month



East Orange County Retail Zone Water Usage Report

Cumulative Water Usage by Fiscal Year





MEMO

TO: BOARD OF DIRECTORS
FROM: GENERAL MANAGER *[Signature]*
SUBJECT: MONTHLY DISBURSEMENTS
DATE SEPTEMBER 17, 2026

Background

Monthly disbursements

Recommendation

Informational.

Attachment(s): Monthly disbursements report

East Orange County Water District
Summary of Disbursements
June 17, 2026 - September 11, 2026

CHECK PAYMENTS:	
Wholesale Zone, Retail Zone, and ID1 Bill Payments	\$ 696,579.80
WIRE PAYMENTS:	
MWDOC - Water Deliveries Payment for May 2026	\$ 241,576.30
MWDOC - Water Deliveries Payment for June 2026	\$ 323,324.30
MWDOC - Water Deliveries Payment for July 2026	\$ 316,760.84
MWDOC - Annual Retail Service Connection Charge FY 2026-27	\$ 328,224.20
Orange County Water District - Water Production Payments	\$ 117,883.80
ACWA JPIA - Cyber Liability Program Payment FY 2026-27	\$ 2,961.62
ACH PAYMENTS:	
AT&T Mobility - Wireless Phone Plan	\$ 730.94
AT&T Mobility - Wireless Phone Plan	\$ 80.61
CR&R, Inc	\$ 603.89
Colombia Bank - District Credit Card Payment	\$ 7,082.26
Colombia Bank - District Credit Card Payment	\$ 16,298.04
Colombia Bank - District Credit Card Payment	\$ 4,787.61
SoCalGas	\$ 27.43
SoCalGas	\$ 14.67
Spectrum Business	\$ 300.00
Spectrum Business	\$ 300.00
Southern California Edison	\$ 25,447.93
TOTAL OF CHECK PAYMENTS / WIRES / ACH	\$2,082,984.24
EMPLOYEE PAYROLL 7/8/2026	
Direct Deposit	\$ 59,454.44
Payroll Taxes	\$ 33,983.55
EFT - CalPERS	\$ 18,285.76
	\$ 111,723.75
EMPLOYEE FINAL PAYROLL CHECK 7/17/2026	
Direct Deposit	\$ 1,440.73
Payroll Taxes	\$ 506.71
EFT - CalPERS	\$ -
	\$ 1,947.44
EMPLOYEE PAYROLL 7/22/2026	
Direct Deposit	\$ 58,912.75
Payroll Taxes	\$ 33,499.14
EFT - CalPERS	\$ 23,009.38
	\$ 115,421.27
EMPLOYEE PAYROLL 8/5/2026	
Direct Deposit	\$ 58,539.76
Payroll Taxes	\$ 32,532.50
EFT - CalPERS	\$ 22,596.66
	\$ 113,668.92
EMPLOYEE PAYROLL 8/19/2026	
Direct Deposit	\$ 58,227.26
Payroll Taxes	\$ 32,592.74
EFT - CalPERS	\$ 23,242.26
	\$ 114,062.26
DIRECTORS' PAYROLL 7/23/26 - May 2026 Activity	
Printed Checks	\$ 2,812.76
Payroll Taxes	\$ 649.62
	\$ 3,462.38
DIRECTORS' PAYROLL 7/23/26 - June 2026 Activity	
Printed Checks	\$ 1,704.81
Payroll Taxes	\$ 348.68
	\$ 2,053.49
TOTAL OF PAYROLL	\$ 462,339.51
DISBURSEMENT TOTAL	
	\$ 2,545,323.75

TRANSFERS:	
From: LAIF	To: Five Star Bank
	Funds transferred to new accounts
	\$ 1,500,000.00
From: Citizens Business Bank	To: Five Star Bank
	Funds transferred to new accounts
	\$ 1,700,000.00



**Check Disbursements
July 2026**

Check Date	Check No.	Payee Name	Description	Check Amount
7/23/2026	27062	Keystone Metering System Inc	Advanced Metering Infrastructure	106,232.50
7/24/2026	27063	Ardurra Group, Inc	Brae Glen Pipeline Project	2,065.00
7/24/2026	27064	AT&T	Scada Lines for 06/01/26-06/30/26	49.36
7/24/2026	27065	Atkinson, Andelson, Loya, Ruud & Romo	May 2026 Legal Fees	3,552.00
7/24/2026	27066	Bay Alarm	Alarm Services - 06/01/26 - 08/31/26 - 185 N McPherson	721.08
7/24/2026	27067	County Of Orange	FY 2026-2027 LAFCO Costs	22,789.14
7/24/2026	27068	Grainger	Reservoir Maintenance	206.08
7/24/2026	27069	Hach Company	Water Quality	596.73
7/24/2026	27070	Labor Compliance Project Management, LLC	Labor Compliance Consultant Services through 7/09/26	955.50
7/24/2026	27071	Matrix Computer Service	IT Support - Computer Supplies	80.13
7/24/2026	27072	MWDOC	CPR/First Aid/AED Class	150.00
7/24/2026	27073	Orange County Sanitation District	VOID	-
7/24/2026	27074	Paradise Drinking Waters	Bottled Water (Office & Field)	119.40
7/24/2026	27075	PlanetBids, LLC	PB System Annual Subscription	4,173.75
7/24/2026	27076	Sancon Technologies, Inc.	CIPP Lining	64,864.00
7/24/2026	27077	Southwest Hydrotech	Control Valve Maintenance	475.50
7/24/2026	27078	Sunkist Solutions, LLC	Professional Services - May to June 2026	1,072.50
7/24/2026	27079	V & A Consulting Engineers	FY25-26 Cathodic Protection Monitoring Program 06/01/26-06/30/26	7,436.00
7/24/2026	27080	W.M. Lyles Co.	On-Call SCADA Integration Support Services billed thru 06/24/26	4,908.25
Total				\$ 220,446.92



Check Disbursements August 2026

Check Date	Check No.	Payee Name	Description	Check Amount
8/3/2026	27081	Home Depot Credit Services	Misc. Hardware, Materials & Tools/Maintenance	947.89
8/3/2026	27082	U.S. Bank N.A	Interest Expense	29,347.59
8/6/2026	27083	ACWA - Workers Comp	Worker's Compensation 04/01/26-06/30/26	12,710.10
8/6/2026	27084	Atkinson, Andelson, Loya, Ruud & Romo	June 2026 Legal Fees	4,448.00
8/6/2026	27085	Carollo Engineers, Inc	6mg Reservoir Replacement PDR	58,877.10
8/6/2026	27086	Cintas Corporation No. 3	Uniforms	98.98
8/6/2026	27087	County Of Orange	Encroachment Permts	182.00
8/6/2026	27088	Doty Bros Equipment Co.	Valve Replacement	13,108.18
8/6/2026	27089	Ferguson Enterprises, LLC	Valve Replacement & Water Qaulity	4,923.85
8/6/2026	27090	Generator Services Co, Inc.	Rental Generator -07/01/26 - 07/31/26 150KVA	2,609.10
8/6/2026	27091	Grainger	Small Tools	296.83
8/6/2026	27092	Heavy Equipment Training, LLC	Backhoe Operator Training	10,174.00
8/6/2026	27093	Hill Brothers Chemical Co	Chemicals for WZ Reservoir	1,388.84
8/6/2026	27094	J & R Concrete Products, Inc.	Vault Maintenance	808.13
8/6/2026	27095	McCall's Meter, Inc.	Ultra Mag Meter	7,244.48
8/6/2026	27096	Norie Kassam	RZ Customer Deposit Refund	153.73
8/6/2026	27097	Richard Brady & Associates, Inc.	Warehouse Replacement Study	5,724.00
8/6/2026	27098	Southland Pipe Corp.	WZ Mainline Maintenance	1,517.12
8/6/2026	27099	Yo Fire	Valve Replacement	957.08
8/14/2026	27100		Void	-
8/14/2026	27101	ACWA Joint Powers Insurance Authority	Employee Med/Dental/Vision/Life Insurance - Sept 2026	31,944.36
8/14/2026	27102	Best Best & Krieger, LLP	Legal Services through 07/31/2026 Reservoir Cell	2,031.00
8/14/2026	27103	California Water Environment Association	CWEA Employee Renewal	118.00
8/14/2026	27104	Cintas Corporation No. 3	Uniforms	190.48
8/14/2026	27105	City Of Orange	Vehicle Maintenance	129.70
8/14/2026	27106	City Of Tustin	Const. Meter - 05/15/26 to 07/15/26 (to clean sewer system)	932.89
8/14/2026	27107	Concentra Medical Centers	Employee Physcial	693.00
8/14/2026	27108	County Of Orange	Communication Charges - 07/01/26-09/30/26	1,016.86
8/14/2026	27109	Dopudja & Wells Consulting Inc.	Master Plan Update	5,180.00
8/14/2026	27110	EEC Environmental	FOG Program 06/01/26-06/30/26	1,941.25
8/14/2026	27111	ehs International, Inc.	Trench Shoring Training	350.00
8/14/2026	27112	Foothill Sentry, Inc.	Display Color Web Ad - August 2026	283.00
8/14/2026	27113	Great America Networks, Inc	Office Phones 08/01/26-08/31/26	329.22
8/14/2026	27114	Haaker Equipment Company	Vehicle Maintenance	258.15
8/14/2026	27115	Haris Tyeb	RZ Customer Depsoit	491.85
8/14/2026	27116	Irvine Pipe Supply	Wholesale Flushing Parts	482.52
8/14/2026	27117	JAN-PRO Franchise Development of Southe	Monthly Janitorial Service - August 2026	847.53
8/14/2026	27118	Lmntrix, LLC	Operations Software 07/01/26-06/30/27	28,947.00
8/14/2026	27119	Morrow Meadows Corp	Troubleshoot Panorama Site Pressure Transmitter	619.20
8/14/2026	27120	Nigro & Nigro, PC	Interim Audit Work - June 30, 2026	15,000.00
8/14/2026	27121	Omega Industrial Supply, Inc.	Small Tools	536.75
8/14/2026	27122	Orbis Public Affairs	Consulting Services July 2026	2,250.00
8/14/2026	27123	O'Reilly Auto Enterprises, LLC	Field Supplies	68.66
8/14/2026	27124	Plumbers Depot, Inc.	Small Tools	4,190.40
8/14/2026	27125	SC Fuels	Fuel - July 2026	6,018.60
8/14/2026	27126	Softscapes Corporation	Maintenance & Landscape Services for July 2026	450.00
8/14/2026	27127	Southwest Hydrotech	Service Lines Maintenance	476.00
8/14/2026	27128	Standard Insurance Company	Life Insurance Premium 08/01/26-08/31/26	906.85
8/14/2026	27129	Starting Line Advisory	July 2026 Advisory Services	9,600.00
8/14/2026	27130	Total Exterminating, Inc.	Rodent Control - Peter's Canyon Res 7/13	570.00
8/14/2026	27131	Townsend Public Affairs, Inc.	Consulting Services for August 2026	4,500.00
8/14/2026	27132	Uline	Office Supplies	237.43
8/14/2026	27133	Underground Service Alert	USA Location - July 2026	727.83
8/14/2026	27134	USA Blue Book	Water Quality	203.80

Check Date	Check No.	Payee Name	Description	Check Amount
8/14/2026	27135	Verizon Wireless	Wireless 06/26/26-07/25/26	285.09
8/14/2026	27136	Waterline Technologies, Inc.	Water Quality	1,098.00
8/14/2026	27137	Yo Fire	Hydrant Maintenance	1,522.51
8/20/2026	27138	Ardurra Group, Inc	Brae Glen Pipeline Project	5,376.00
8/20/2026	27139	AT&T	Scada Lines for 07/01/26-07/31/26	49.43
8/20/2026	27140	Bay Alarm	Camera & Alarm System - 185 N McPherson 09/01/26-11/30/26	1,253.40
8/20/2026	27141	Cintas Corporation No. 3	Uniforms	95.24
8/20/2026	27142	County of Orange	CUPA-Vanderwerff Well and Treatment Plant 07/01/26-06/30/27	634.00
8/20/2026	27143	CV Strategies	Strategic Communication - Website Development - May - Jul 26	2,882.75
8/20/2026	27144	D&S Security Inc	Fire Alarm Monitoring 08/01/26-10/31/26	150.00
8/20/2026	27145	Ferguson Enterprises, LLC	Water Quality	351.07
8/20/2026	27146	George Murdoch	Travel Expense & Reimbursement - ACWA Board Meeting	1,073.09
8/20/2026	27147	Keeping Score Custom Lettering	Safety Uniform	464.70
8/20/2026	27148	Matrix Computer Service	IT Support thru 7/17/26	2,990.00
8/20/2026	27149	Orange County Sanitation District	June 2026 Sewer Permits & OCHCA Fog/BMP Inspections	12,113.05
8/20/2026	27150	Paradise Drinking Waters	Bottled Water (Office & Field)	89.55
8/20/2026	27151	PlanetBids, LLC	PB System Annual Subscription	4,173.75
8/20/2026	27152	Red Wing Shoe Store	Boots for Employees	629.52
8/20/2026	27153	Waterline Technologies, Inc.	Water Quality	524.60
8/20/2026	27154	Xerox Corporation	Copier - Monthly Maintenance 06/30/26-07/21/26	116.37
8/20/2026	27155	Yo Fire	Meter Changeout Parts	3,080.55
8/20/2026	27156	Association of California Water Agencies	Region 8 Event Sponsorship	1,000.00
8/20/2026	27157	MWDOC	FY 26/27 Choice Programs	1,575.78
Total				\$ 319,567.78



Check Disbursements September 2026

Check Date	Check No.	Payee Name	Description	Check Amount
9/4/2026	27200		Void	-
9/4/2026	27201	Advanced Conservation Management, Inc.	Hydrant Maintenance	9,044.43
9/4/2026	27202	Advanced Integration & Controls	Scada Server	12,462.00
9/4/2026	27203	Atkinson, Andelson, Loya, Ruud & Romo	July 2026 Legal Fees	6,272.00
9/4/2026	27204	C Wells Pipeline Materials, Inc.	Valve Replacement	4,806.75
9/4/2026	27205	Cintas Corporation No. 3	Uniforms	197.04
9/4/2026	27206	City Of Orange	Vehicle Maintenance	1,893.69
9/4/2026	27207	City Of Orange-Water	06/22/26 - 08/19/26 Water Usage for 185 & 210 N. McPherson	447.06
9/4/2026	27208	Ferguson Enterprises, LLC	Valve Replacements	7,570.84
9/4/2026	27209	Fire Grazers, Inc.	Brush Clearance Services by Grazing	6,877.50
9/4/2026	27210	Generator Services Co, Inc.	Rental Generator - 08/01/26-08/31/26 150KVA	2,609.10
9/4/2026	27211	Grainger	Small Tools	420.12
9/4/2026	27212	Haaker Equipment Company	Vehicle Maintenance	8,992.82
9/4/2026	27213	Hach Company	Water Quality	2,678.66
9/4/2026	27214	Hill Brothers Chemical Co	Chemicals for WZ Reservoir	3,320.88
9/4/2026	27215	Inductive Automation, LLC	SCADA - Basic Care Support Plan Renewal 8/30/26-8/30/27	4,384.80
9/4/2026	27216	Irvine Pipe Supply	Treatment Plant Maintenance	75.94
9/4/2026	27217	Keystone Metering Systems Inc	Advanced Metering Infrastructure	2,050.00
9/4/2026	27218	Main Graphics	Bi-Monthly Billing - Computer Folding Stuffing	1,599.30
9/4/2026	27219	Matrix Computer Service	IT Support 07/18/26 - 08/21/26	7,705.00
9/4/2026	27220	Orange County Sanitation District	July 2026 Sewer Permits	6,251.04
9/4/2026	27221	Orbis Public Affairs	Gas - 185 N McPherson - 07/27/26-08/27/26	2,500.00
9/4/2026	27222	Paradise Drinking Waters	Bottled Water (Office & Field)	79.60
9/4/2026	27223	Softscapes Corporation	Maintenance & Landscape Services for August 2026	450.00
9/4/2026	27224	Tom Dodson & Associates	CEQA Support - June 2026	75.00
9/4/2026	27225	Underground Service Alert	USA Location - CA State Fee - August 2026	651.63
9/4/2026	27226	West Yost & Associates, Inc.	On-Call Engineering Services 06/06/26-07/10/26	8,837.50
9/4/2026	27227	Xerox Corporation	Copier - Monthly Maintenance 07/21/26-08/03/26	162.45
9/4/2026	27228	Yo Fire	Hydrant Maintenance	4,491.18
9/10/2026	27229	ACWA Joint Powers Insurance Authority	Employee Med/Dental/Vision/Life Insurance - Oct 2026	31,944.36
9/10/2026	27230	Cintas Corporation No. 3	Uniforms	98.98
9/10/2026	27231	Clinical Laboratory of San Bernardino, Inc.	Laboratory Analysis (water quality) July 2026	1,825.00
9/10/2026	27232	Foothill Sentry, Inc.	Display Color Web Ad - Sept 2026	283.00
9/10/2026	27233	JAN-PRO Franchise Development of Southern California	Monthly Janitorial Service - Sept 2026	847.53
9/10/2026	27234	Morrow Meadows Corp	Electrical Services	3,314.30
9/10/2026	27235	Standard Insurance Company	Life Insurance Premium 09/01/26 - 09/30/26	906.85
9/10/2026	27236	Starting Line Advisory	August 2026 Advisory Services	9,600.00
9/10/2026	27237	Waterline Technologies, Inc.	Water Quality	838.75
Total				\$ 156,565.10



MEMO

TO: BOARD OF DIRECTORS
FROM: GENERAL MANAGER *[Signature]*
SUBJECT: MONTHLY FINANCIAL STATEMENTS
DATE SEPTEMBER 17, 2026

Background

Monthly Financial Statements for Wholesale Zone, Retail Zone, and ID1 (wastewater).

Recommendation

Informational.

Attachment(s): Financial Statements for June & July 2026



June 2026 Financial Reporting

Prepared by



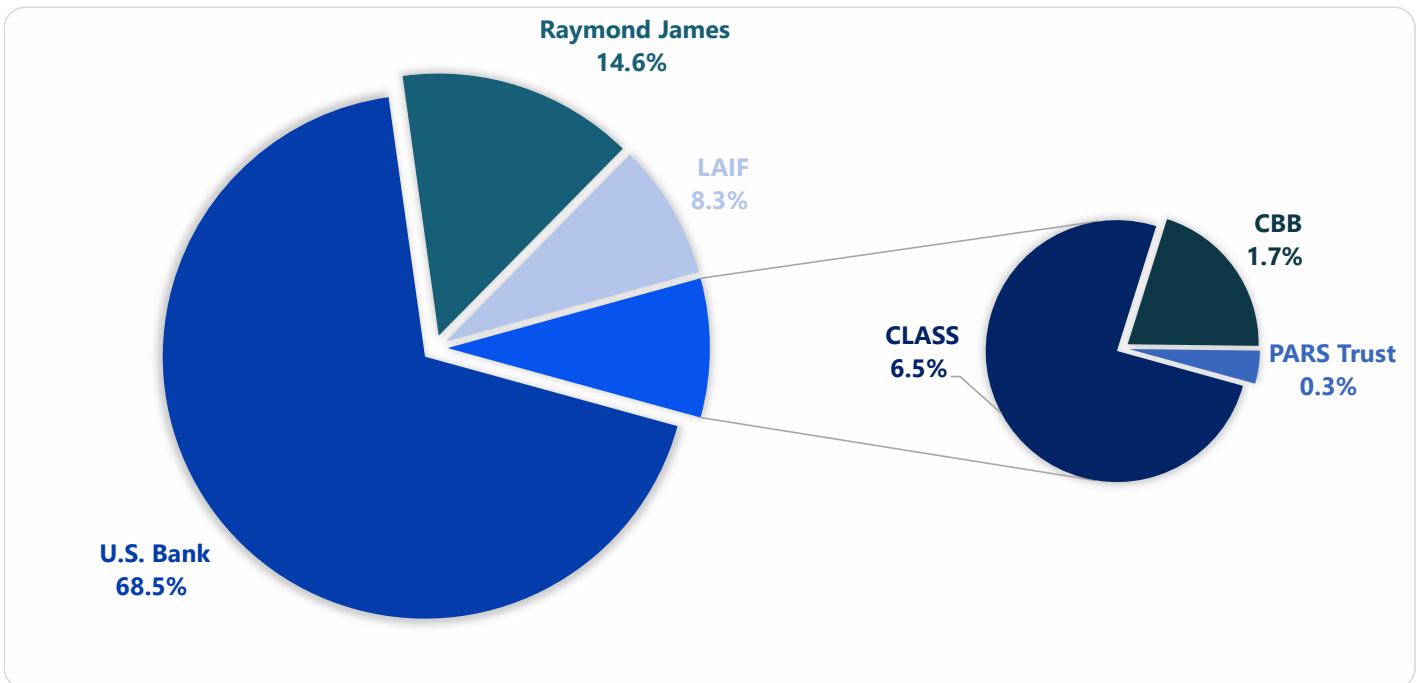
**No assurance is provided on the financial statements. These statements do not include a statement of cash flows. Substantially all disclosures required by accounting principles generally accepted in the United States are not included.*

Cash & Investments as of June 30, 2026

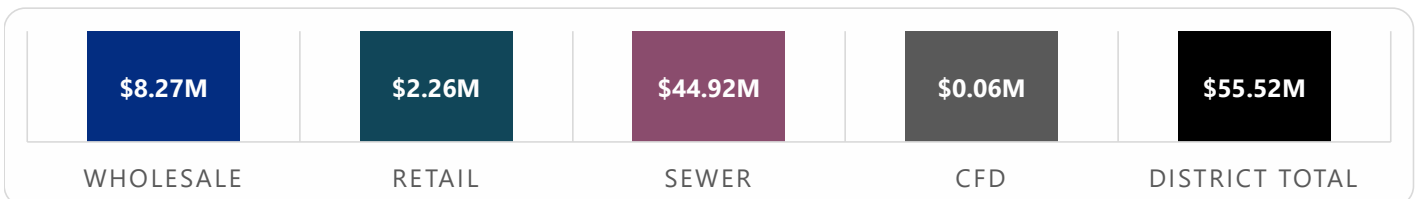
District

	Type	Estimated Month Yield	Book Value	Market Value	% Portfolio
U.S. Bank	Investment	3.60%	\$ 37,781,186	\$ 38,032,853	68.5%
Raymond James	Investment	2.95%	8,210,214	8,100,922	14.6%
CA Cooperative Liquid Assets Securities System (CLASS)	CLASS	3.70%	3,589,513	3,589,292	6.5%
Local Agency Investment Fund (LAIF)	LAIF	3.82%	4,638,093	4,632,863	8.3%
Citizens Business Bank (CBB)	Checking	NA	915,539	915,539	1.6%
PARS Pension Trust	115 Trust	-0.05%	192,765	192,765	0.3%
Citizens Business Bank (CBB)	Money Market	0.05%	51,473	51,473	0.1%
Total Cash & Investments			\$ 55,378,784	\$ 55,515,708	100.0%

Allocation



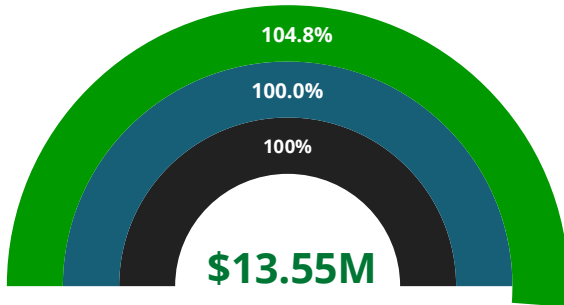
Cash & Investments by Fund



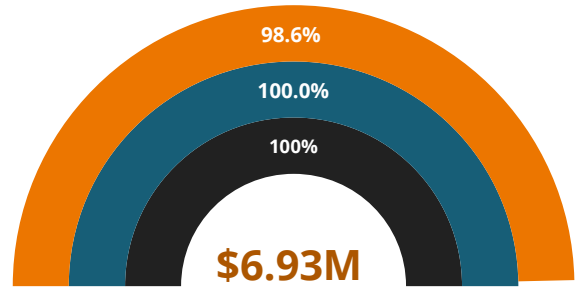
June 2026 Financials - Dashboard

District

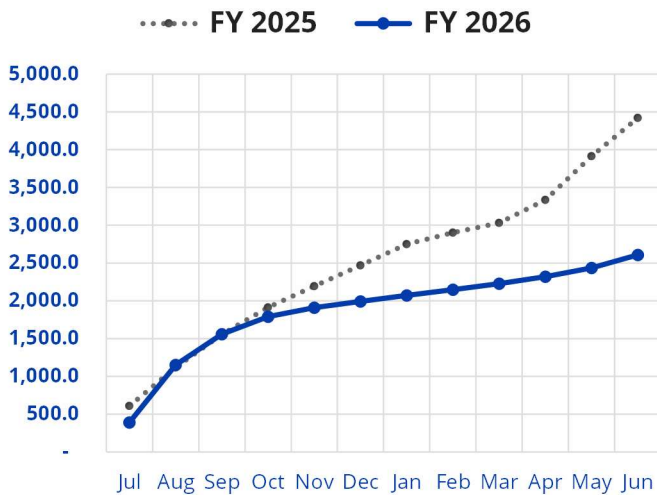
Revenue v. Budget (No WZ Pass-Through)



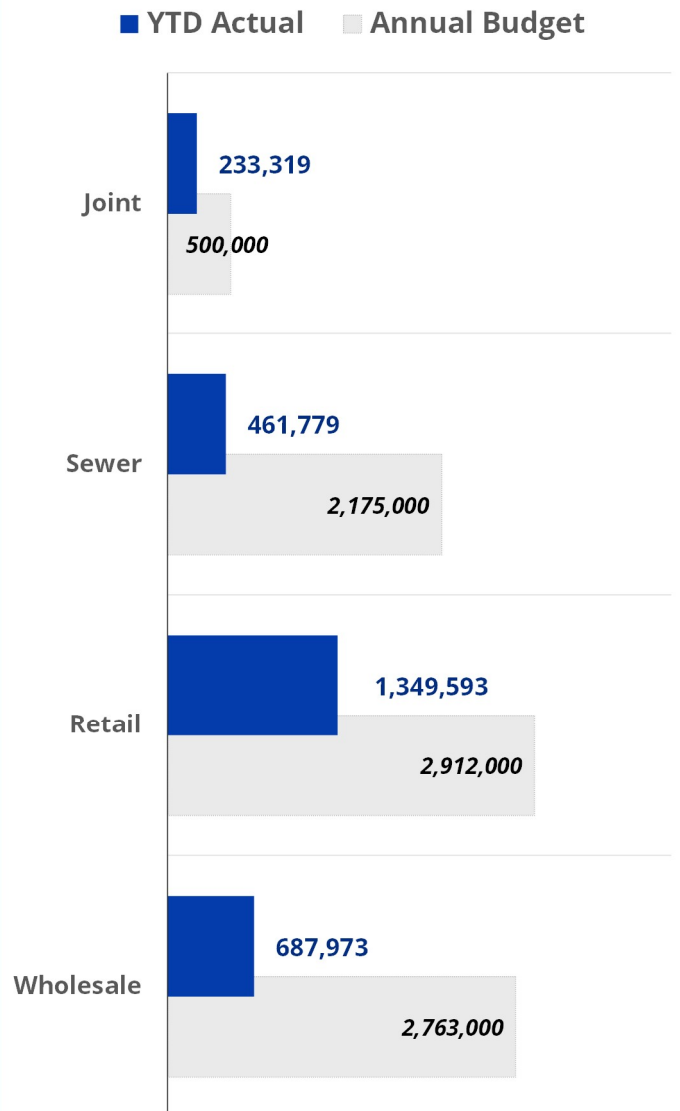
Expense v. Budget (No WZ Pass-Through)



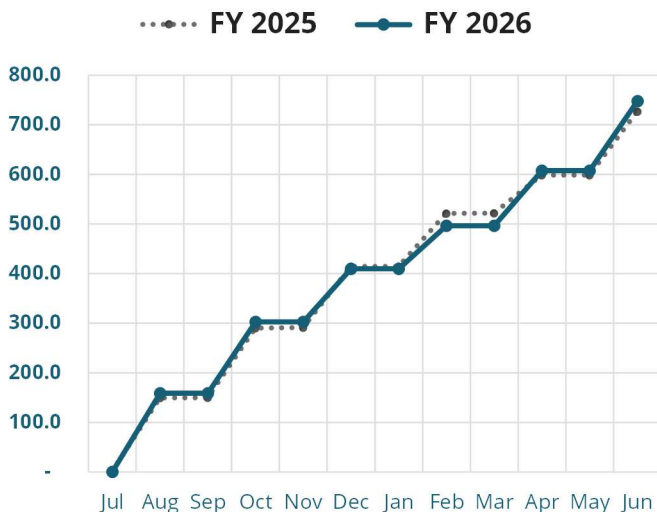
Wholesale Water Sold in Acre-Feet (AF)



Capital Improvement Program YTD Actual v. Budget



Retail Water Sold in Acre-Feet (AF)



June 2026 Financials - Summary

District

		A	B	C	D = C - B	E = B / C
		Period	Fiscal Year	Adopted	Remaining	YTD % of
		Actuals	to Date	Budget	Budget	Budget
		Jun 2026	Jun 2026	FY 2026	FY 2026	100.0%
1	Sewer Service Fees	\$ 1,790	\$ 4,292,185	\$ 4,292,600	\$ 415	100.0%
2	Wholesale Water Fixed Charges	52,872	634,696	630,200	(4,496)	100.7%
3	Retail Water Variable Charges	229,053	1,528,660	1,794,900	266,240 ▲	85.2%
4	Retail Water Fixed Charges	91,338	1,686,188	1,667,200	(18,988)	101.1%
5	MET / MWDOC Pass-Through Charges	323,324	4,788,599	3,988,700	(799,899)	120.1%
6	Property Tax Receipts	27,952	2,407,493	2,326,700	(80,793)	103.5%
7	Interest Revenue	262,168	1,549,873	1,774,000	224,127 ▲	87.4%
8	Other Revenue	47,986	1,451,854	440,800	(1,011,054)	329.4%
9	Total Revenue	1,036,483	18,339,549	16,915,100	(1,424,449)	108.4%
10	Retail Water Supply	231,996	1,230,506	965,100	(265,406) ▲	127.5%
11	Wholesale Pass-Through Supply	323,324	4,788,599	3,988,700	(799,899) ▲	120.1%
12	Staffing Resources	285,231	3,232,334	3,342,700	110,366	96.7%
13	Operations & Maintenance	75,526	1,190,287	1,404,500	214,213	84.7%
14	General & Administrative	69,690	1,275,782	1,311,600	35,818	97.3%
15	Total Expense	985,766	11,717,508	11,012,600	(704,908) ▲	106.4%
16	Net Income / (Loss) from Operations	\$ 50,717	\$ 6,622,041	\$ 5,902,500	\$ (719,541)	112.2%
17	Grant Funding Receipts	-	633,678	1,000,000	366,322	63.4%
18	Capital Improvement Program	(276,985)	(2,732,663)	(8,350,000)	(5,617,337)	32.7%
19	Internal Loan Receipts	-	424,792	334,815	(89,977) ▲	126.9%
20	Internal Loan Payments	-	(424,792)	(334,815)	89,977 ▲	126.9%
21	Debt Service	-	(1,335,264)	(1,403,430)	(68,166)	95.1%
22	Net Change in Cash	\$ (226,269)	\$ 3,187,792	\$ (2,850,930)	\$ (6,038,722)	

Variance Analysis:

Line 3 - The Retail Water Variable charges are billed bi-monthly on even numbered months. The timing of billing and collecting these charges can cause actual results to vary from the expected budget target throughout the fiscal year. As of the reporting period, the District has sold 748 AF of water to Retail customers, and budgeted for 800 AF.

Line 5 - The adopted budget assumed 2000 AF of wholesale water sales. As of the current reporting period, 2608 AF of wholesale water has been sold, causing this line to end over budget for the fiscal year.

Line 7 - The adopted budget considered current market conditions at the time of budget adoption. The portfolio has returned an average of approximately 3.25% during fiscal year 2026 and the adopted budget assumed a 4% return on investments.

Line 8 - In April 2026 the District received \$226,056 from OCWD due to extra water purchased during the shutdown of the wells from PFAS issues and the District has also received more Sewer capacity fees than budgeted during the fiscal year.

Line 10 - Retail water supply costs are over budget due to the year-to-date actual water supply mix used compared to what was planned in the budget. The retail system has utilized more treated wholesale water than originally budgeted, which is a more expensive source than pumping and treating groundwater.

Line 11 - The adopted budget assumed 2000 AF of wholesale water sales. As of the current reporting period, 2608 AF of wholesale water has been sold, causing this line to end over budget for the fiscal year.

Line 17 - The District has received reimbursements for costs applicable to the WZ-06 Peters Canyon Seismic Reservoir and RZ-15 Advanced Metering Infrastructure projects.



June 2026 Financials - Summary

District

Variance Analysis (Continued):

Line 19 - This line includes the transfer of funds to the Sewer fund from the Retail fund for the 2024 Interfund Loan. The installment is due January 1st each year. The results are over budget due to a higher LAIF interest rate than expected. The LAIF interest rate is the index that is applied to the calculation to determine annual variable rate interest on the payment.

Line 20 - This line includes the transfer of funds to the Sewer fund from the Retail fund for the 2024 Interfund Loan. The installment is due January 1st each year. The results are over budget due to a higher LAIF interest rate than expected. The LAIF interest rate is the index that is applied to the calculation to determine annual variable rate interest on the payment.

Line 21 - In April 2026 the District made the annual debt service payment on the 2020 installment agreement.

June 2026 Financials - Operating Detail

District

	A	B	C	D = C - B	E = B / C
	Period	Fiscal Year	Adopted	Remaining	YTD % of
	Actuals	to Date	Budget	Budget	Budget
	Jun 2026	Jun 2026	FY 2026	FY 2026	100.0%
1 District Charges					
2 Sewer Service Fees	\$ 1,790	\$ 4,292,185	\$ 4,292,600	\$ 415	100.0%
3 Wholesale Water Fixed Charges	52,872	634,696	630,200	(4,496)	100.7%
4 Retail Water Variable Charges	229,053	1,528,660	1,794,900	266,240	85.2%
5 Retail Water Fixed Charges	91,338	1,686,188	1,667,200	(18,988)	101.1%
6 Total District Charges	375,053	8,141,729	8,384,900	243,171	97.1%
7 Wholesale Pass-Through Charges					
8 MET / MWDOC Water Sales	261,288	3,720,640	2,923,200	(797,440)	127.3%
9 MET / MWDOC Fixed Costs Recovery	62,036	1,067,960	1,065,500	(2,460)	100.2%
10 Total Wholesale Pass-Through Charges	323,324	4,788,599	3,988,700	(799,899)	120.1%
11 Other Revenue					
12 Property Tax Receipts	27,952	2,407,493	2,326,700	(80,793)	103.5%
13 Interest Revenue	262,168	1,549,873	1,774,000	224,127	87.4%
14 Developer Fees and Charges	31,198	899,106	200,000	(699,106)	449.6%
15 Miscellaneous Revenue	16,788	552,749	240,800	(311,949)	229.5%
16 Total Other Revenue	338,106	5,409,221	4,541,500	(867,721)	119.1%
17 Total Revenue	1,036,483	18,339,549	16,915,100	(1,424,449)	108.4%
18 Retail Water Supply					
19 Retail Fixed Costs Allocation	12,694	173,149	142,100	(31,049)	121.9%
20 Retail Water Purchases from Wholesale	60,759	465,684	204,700	(260,984)	227.5%
21 OCWD Replenishment Assessments	146,203	467,539	469,300	1,761	99.6%
22 Groundwater Energy	12,340	124,134	149,000	24,866	83.3%
23 Total Retail Water Supply	231,996	1,230,506	965,100	(265,406)	127.5%
24 Wholesale Pass-Through Supply					
25 MET / MWDOC Water Purchases	261,288	3,720,640	2,923,200	(797,440)	127.3%
26 MET / MWDOC Fixed Costs	62,036	1,067,960	1,065,500	(2,460)	100.2%
27 Total Wholesale Pass-Through Supply	323,324	4,788,599	3,988,700	(799,899)	120.1%
28 Staffing Resources					
29 Employee Compensation	191,348	2,379,637	2,470,700	91,063	96.3%
30 Health and Retirement Benefits	93,882	818,864	837,100	18,236	97.8%
31 CalPERS Unfunded Minimum Payments	-	33,834	34,900	1,066	96.9%
32 Total Staffing Resources	285,231	3,232,334	3,342,700	110,366	96.7%
33 Operations & Maintenance					
34 Water System Maintenance	21,661	689,755	682,100	(7,655)	101.1%
35 Water Quality	10,345	130,192	165,800	35,608	78.5%
36 Sewer System Maintenance	3,316	66,905	175,000	108,095	38.2%
37 System Fees and Permits	2,480	70,094	64,800	(5,294)	108.2%
38 Vehicle and Equipment	37,724	233,341	316,800	83,459	73.7%
39 Total Operations & Maintenance	75,526	1,190,287	1,404,500	214,213	84.7%
40 General & Administrative					
41 Professional Services	47,882	565,755	601,700	35,945	94.0%
42 District Office Expenses	12,793	238,365	239,900	1,535	99.4%
43 District Insurance	-	127,348	123,400	(3,948)	103.2%
44 Dues and Memberships	-	62,949	64,100	1,151	98.2%
45 Community Outreach and Noticing	298	93,365	77,900	(15,465)	119.9%
46 Board of Directors	1,344	72,077	65,300	(6,777)	110.4%
47 Education, Training and Travel	1,563	19,677	21,000	1,323	93.7%
48 Miscellaneous Expense	5,810	96,246	118,300	22,054	81.4%
49 Total General & Administrative	69,690	1,275,782	1,311,600	35,818	97.3%
50 Total Expense	985,766	11,717,508	11,012,600	(704,908)	106.4%
51 Net Income / (Loss) from Operations	\$ 50,717	\$ 6,622,041	\$ 5,902,500	\$ (719,541)	112.2%

June 2026 Financials - Capital Improvement Program District

		A	B	C	D = C - B	E = B / C
		Period	Fiscal Year	Adopted	Remaining	YTD % of
ID	Project Description	Actuals	to Date	Budget	Budget	Budget
		Jun 2026	Jun 2026	FY 2026	FY 2026	100.0%
Wholesale System						
WZ-02	WZ Reservoir Backup Generators	\$ -	\$ -	\$ 245,000	\$ 245,000	0.0%
WZ-03	Cathodic Protection Improvements	7,436	54,594.20	100,000	92,564	7.4%
WZ-04	6MG Res. Pipeline & Vault Improv	-	181,756.52	200,000	200,000	0.0%
WZ-05	WZ Reservoir Management Systems	-	60,504.25	1,500,000	1,500,000	0.0%
WZ-06	Peters Canyon Res Sismic Phase 1	58,877	310,014.64	500,000	441,123	11.8%
WZ-10	WZ Master Plan Update	2,570	69,183.65	118,000	115,430	2.2%
WZ-17	WZ Valve Replacements Program	-	11,919.26	50,000	50,000	0.0%
WZ-18	WZ Hydrants Replacement Program	-	-	50,000	50,000	0.0%
Total Wholesale System		68,883	687,973	2,763,000	2,075,027	24.9%
Retail System						
RZ-04	Brae Glen Pipeline Replacement	3,445	3,445	500,000	496,555	0.7%
RZ-05	Orange Knoll PRV Station	-	-	250,000	250,000	0.0%
RZ-08	Barrett/Hinton Srvc Relocations	-	-	225,000	225,000	0.0%
RZ-10	RZ Master Plan Update	-	81,629	112,000	112,000	0.0%
RZ-12	St. Jude/Panorama View Pipeline	-	-	225,000	225,000	0.0%
RZ-15	Advanced Metering Infrastructure	120,005	1,194,436	1,200,000	1,079,995	10.0%
RZ-16	Vista Panorama PS Replacement	-	25,117	350,000	350,000	0.0%
RZ-17	RZ Valve Replacements Program	13,772	20,316	25,000	11,228	55.1%
RZ-18	RZ Hydrant Replacements Program	-	24,650	25,000	25,000	0.0%
Total Retail System		137,222	1,349,593	2,912,000	1,562,407	46.3%
Sewer System						
SS-03	Lemon Heights Drive LS Rehab	-	26,454	-	-	NA
SS-06	Cured in Place Pipe (CIPP)	64,864	87,514	400,000	335,136	16.2%
SS-07	Manhole Additions, R, F & Covers	-	82,500	200,000	200,000	0.0%
SS-08	Manhole Rehab and Replacements	-	30,275	400,000	400,000	0.0%
SS-10	Sewer Vehicles & Equipment	-	102,414	1,000,000	1,000,000	0.0%
SS-11	SSMP Update and Spill Response	-	132,623	175,000	175,000	0.0%
Total Sewer System		64,864	461,779	2,175,000	1,713,221	21.2%
Joint Projects						
JP-01	SCADA System Improvements	-	28,000	-	(28,000)	NA
JP-02	Springbrook ERP Implementation	-	110	-	(110)	NA
JP-03	Local HMP, AWIA, RRA & ERP	293	120,387	250,000	129,613	48.2%
JP-09	Vehicles & Equipment Shared	-	34,909	-	(34,909)	NA
JP-10	Main Office Warehouse Replace	5,724	49,914	250,000	200,087	20.0%
Total Joint Projects		6,017	233,319	500,000	266,681	46.7%
Capital Improvement Program Total		\$ 276,985	\$ 2,732,663	\$ 8,350,000	\$ 5,617,337	32.7%

June 2026 CIP Expenditures by System





July 2026 Financial Reporting

Prepared by



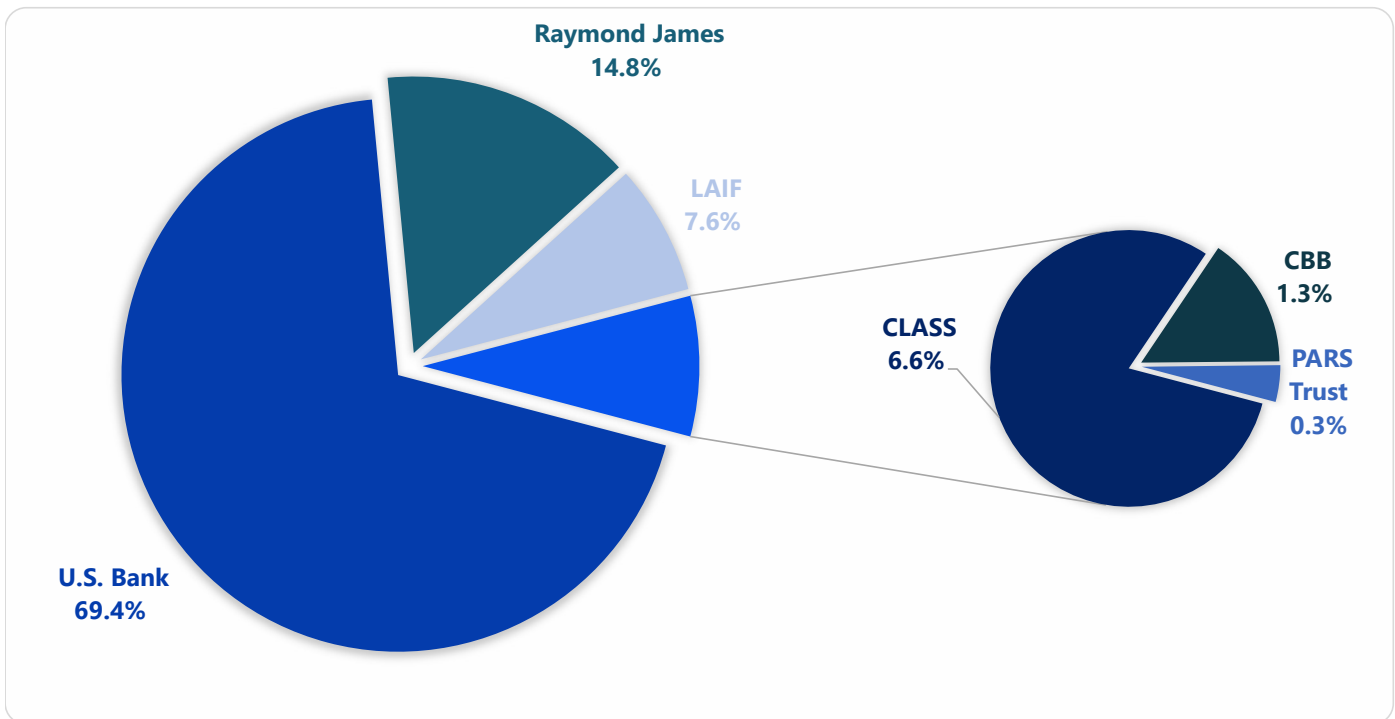
**No assurance is provided on the financial statements. These statements do not include a statement of cash flows. Substantially all disclosures required by accounting principles generally accepted in the United States are not included.*

Cash & Investments as of July 31, 2026

District

	Type	Estimated Month Yield	Book Value	Market Value	% Portfolio
U.S. Bank	Investment	3.66%	\$ 38,155,665	\$ 37,991,106	69.4%
Raymond James	Investment	2.93%	8,235,410	8,101,406	14.8%
CA Cooperative Liquid Assets Securities System (CLASS)	CLASS	3.72%	3,600,875	3,600,888	6.6%
Local Agency Investment Fund (LAIF)	LAIF	3.84%	4,178,721	4,174,009	7.6%
Citizens Business Bank (CBB)	Checking	NA	573,471	573,471	1.0%
PARS Pension Trust	115 Trust	-0.57%	191,562	191,562	0.3%
Citizens Business Bank (CBB)	Money Market	0.05%	116,555	116,555	0.2%
Total Cash & Investments			\$ 55,052,259	\$ 54,748,997	100.0%

Allocation



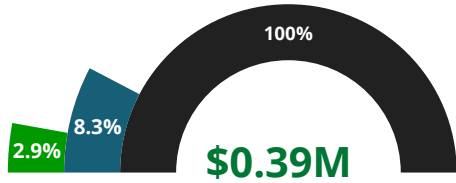
Cash & Investments by Fund



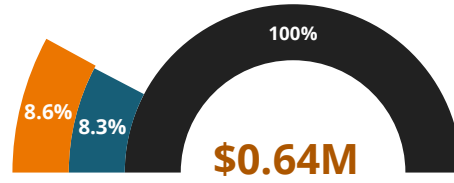
July 2026 Financials - Dashboard

District

Revenue v. Budget (No WZ Pass-Through)



Expense v. Budget (No WZ Pass-Through)



YTD Revenue	YTD Target	Total Budget
\$387,079	\$1,108,708	\$13,304,500

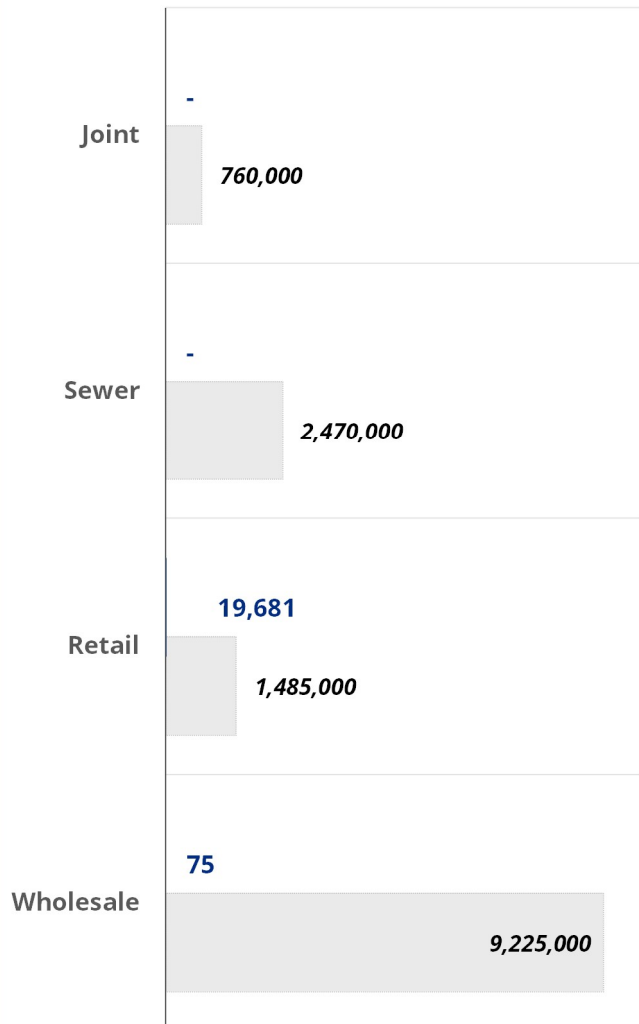
YTD Expense	YTD Target	Total Budget
\$636,267	\$618,338	\$7,420,050

Wholesale Water Sold in Acre-Feet (AF)



Capital Improvement Program YTD Actual v. Budget

■ YTD Actual ■ Annual Budget



Retail Water Sold in Acre-Feet (AF)



July 2026 Financials - Summary

District

		A	B	C	D = C - B	E = B / C
		Period	Fiscal Year	Adopted	Remaining	YTD % of
		Actuals	to Date	Budget	Budget	Budget
		Jul 2026	Jul 2026	FY 2027	FY 2027	8.3%
1	Sewer Service Fees	\$ 57,039	\$ 57,039	\$ 4,839,400	\$ 4,782,361	1.2%
2	Wholesale Water Fixed Charges	56,376	56,376	679,500	623,124	8.3%
3	Retail Water Variable Charges	1,614	1,614	1,709,100	1,707,486	0.1%
4	Retail Water Fixed Charges	23,335	23,335	1,846,800	1,823,465	1.3%
5	MET / MWDOC Pass-Through Charges	644,985	644,985	4,139,590	3,494,605	15.6%
6	Property Tax Receipts	32,114	32,114	2,406,800	2,374,686	1.3%
7	Interest Revenue	159,035	159,035	1,356,500	1,197,465	11.7%
8	Other Revenue	57,567	57,567	466,400	408,833	12.3%
9	Total Revenue	1,032,064	1,032,064	17,444,090	16,412,026	5.9%
10	Retail Water Supply	131,395	131,395	1,012,210	880,815	13.0%
11	Wholesale Pass-Through Supply	644,985	644,985	4,139,590	3,494,605	15.6%
12	Staffing Resources	309,747	309,747	3,458,760	3,149,013	9.0%
13	Operations & Maintenance	69,881	69,881	1,564,760	1,494,879	4.5%
14	General & Administrative	125,245	125,245	1,384,320	1,259,075	9.0%
15	Total Expense	1,281,252	1,281,252	11,559,640	10,278,388	11.1%
16	Net Income / (Loss) from Operations	\$ (249,188)	\$ (249,188)	\$ 5,884,450	\$ 6,133,638	-4.2%
17	Grant Funding Receipts	-	-	6,000,000	6,000,000	0.0%
18	Capital Improvement Program	(19,756)	(19,756)	(13,940,000)	(13,920,244)	0.1%
19	Internal Loan Receipts	-	-	405,333	405,333	0.0%
20	Internal Loan Payments	-	-	(405,333)	(405,333)	0.0%
21	Debt Service	(29,348)	(29,348)	(1,335,082)	(1,305,734)	2.2%
22	Net Change in Cash	\$ (298,292)	\$ (298,292)	\$ (3,390,632)	\$ (3,092,340)	

Variance Analysis:

Line 1 - This line item may vary from the expected budget target throughout the fiscal year due to the timing of these sewer service fees received through the property tax roll.

Line 3 - The Retail Water Variable charges are billed bi-monthly on even numbered months. The timing of billing and collecting these charges can cause actual results to vary from the expected budget target throughout the fiscal year.

Line 4 - The Retail Water fixed meter and capital improvement charges are included in this line. The fixed meter charge is billed bi-monthly on even numbered months. The capital improvement charge is collected through the property tax roll. The timing of billing and collecting these charges can cause actual results to vary from the expected budget target. A minor amount of capital charges were collected in July 2026.

Line 5 - The adopted budget assumed 2000 AF of wholesale water sales. As of the current reporting period, approximately 168 AF of wholesale water has been sold. This line is trending ahead of budgeted expectations due to the timing of the annual MWDOC Retail Service Connection charge (~\$328,000).

Line 6 - This line item may vary from the expected budget target throughout the fiscal year due to the timing of property tax receipts through the County tax roll.



July 2026 Financials - Summary

District

Variance Analysis (Continued):

Line 10 - Retail water supply costs are over trending higher than anticipated due to the annual \$19K retail service connection paid in July 2026 (Retail portion) and the Retail system has utilized 31 AF of Wholesale supply this fiscal year. 114 AF of Wholesale supply was assumed in the budget for the full fiscal year.

Line 11 - The adopted budget assumed 2000 AF of wholesale water sales. As of the current reporting period, approximately 168 AF of wholesale water has been sold. This line is trending ahead of budgeted expectations due to the timing of the annual MWDOC Retail Service Connection charge (~\$328,000).

Line 21 - In July 2026 the District made a debt service payment on the 2018 Community Facilities District debt.

July 2026 Financials - Operating Detail

District

	A	B	C	D = C - B	E = B / C
	Period	Fiscal Year	Adopted	Remaining	YTD % of
	Actuals	to Date	Budget	Budget	Budget
	Jul 2026	Jul 2026	FY 2027	FY 2027	8.3%
1 District Charges					
2 Sewer Service Fees	\$ 57,039	\$ 57,039	\$ 4,839,400	\$ 4,782,361	1.2%
3 Wholesale Water Fixed Charges	56,376	56,376	679,500	623,124	8.3%
4 Retail Water Variable Charges	1,614	1,614	1,709,100	1,707,486	0.1%
5 Retail Water Fixed Charges	23,335	23,335	1,846,800	1,823,465	1.3%
6 Total District Charges	138,364	138,364	9,074,800	8,936,436	1.5%
7 Wholesale Pass-Through Charges					
8 MET / MWDOC Water Sales	254,718	254,718	2,948,010	2,693,292	8.6%
9 MET / MWDOC Fixed Costs Recovery	390,267	390,267	1,191,580	801,313	32.8%
10 Total Wholesale Pass-Through Charges	644,985	644,985	4,139,590	3,494,605	15.6%
11 Other Revenue					
12 Property Tax Receipts	32,114	32,114	2,406,800	2,374,686	1.3%
13 Interest Revenue	159,035	159,035	1,356,500	1,197,465	11.7%
14 Developer Fees and Charges	27,276	27,276	220,000	192,724	12.4%
15 Miscellaneous Revenue	30,291	30,291	246,400	216,109	12.3%
16 Total Other Revenue	248,715	248,715	4,229,700	3,980,985	5.9%
17 Total Revenue	1,032,064	1,032,064	17,444,090	16,412,026	5.9%
18 Retail Water Supply					
19 Retail Fixed Costs Allocation	29,333	29,333	236,490	207,157	12.4%
20 Retail Water Purchases from Wholesale	47,537	47,537	168,640	121,103	28.2%
21 OCWD Replenishment Assessments	41,350	41,350	471,980	430,630	8.8%
22 Groundwater Energy	13,175	13,175	135,100	121,925	9.8%
23 Total Retail Water Supply	131,395	131,395	1,012,210	880,815	13.0%
24 Wholesale Pass-Through Supply					
25 MET / MWDOC Water Purchases	254,718	254,718	2,948,010	2,693,292	8.6%
26 MET / MWDOC Fixed Costs	390,267	390,267	1,191,580	801,313	32.8%
27 Total Wholesale Pass-Through Supply	644,985	644,985	4,139,590	3,494,605	15.6%
28 Staffing Resources					
29 Employee Compensation	195,079	195,079	2,481,250	2,286,171	7.9%
30 Health and Retirement Benefits	67,340	67,340	925,230	857,890	7.3%
31 CalPERS Unfunded Minimum Payments	47,327	47,327	52,280	4,953	90.5%
32 Total Staffing Resources	309,747	309,747	3,458,760	3,149,013	9.0%
33 Operations & Maintenance					
34 Water System Maintenance	34,842	34,842	834,780	799,938	4.2%
35 Water Quality	12,113	12,113	145,100	132,987	8.3%
36 Sewer System Maintenance	5,177	5,177	266,080	260,903	1.9%
37 System Fees and Permits	-	-	73,100	73,100	0.0%
38 Vehicle and Equipment	17,748	17,748	245,700	227,952	7.2%
39 Total Operations & Maintenance	69,881	69,881	1,564,760	1,494,879	4.5%
40 General & Administrative					
41 Professional Services	67,415	67,415	604,450	537,035	11.2%
42 District Office Expenses	11,235	11,235	307,710	296,475	3.7%
43 District Insurance	-	-	140,300	140,300	0.0%
44 Dues and Memberships	24,669	24,669	62,790	38,121	39.3%
45 Community Outreach and Noticing	283	283	-	(283)	NA
46 Board of Directors	6,187	6,187	112,900	106,713	5.5%
47 Education, Training and Travel	12,304	12,304	30,070	17,766	40.9%
48 Miscellaneous Expense	3,152	3,152	126,100	122,948	2.5%
49 Total General & Administrative	125,245	125,245	1,384,320	1,259,075	9.0%
50 Total Expense	1,281,252	1,281,252	11,559,640	10,278,388	11.1%
51 Net Income / (Loss) from Operations	\$ (249,188)	\$ (249,188)	\$ 5,884,450	\$ 6,133,638	-4.2%

July 2026 Financials - Capital Improvement Program District

		A	B	C	D = C - B	E = B / C
ID	Project Description	Period Actuals Jul 2026	Fiscal Year to Date Jul 2026	Adopted Budget FY 2027	Remaining Budget FY 2027	YTD % of Budget 8.3%
Wholesale System						
WZ-03	Cathodic Protection Improvements	\$ -	\$ -	\$ 100,000	\$ 100,000	0.0%
WZ-05	WZ Reservoir Management Systems	-	-	1,450,000	1,450,000	0.0%
WZ-06	Peters Canyon Res Sismic Phase 1	75	75	7,500,000	7,499,925	0.0%
WZ-17	WZ Valve Replacements Program	-	-	100,000	100,000	0.0%
WZ-18	WZ Hydrants Replacement Program	-	-	75,000	75,000	0.0%
Total Wholesale System		75	75	9,225,000	9,224,925	0.0%
Retail System						
RZ-04	Brae Glen Pipeline Replacement	5,376	5,376	500,000	494,624	1.1%
RZ-05	Orange Knoll PRV Station	-	-	250,000	250,000	0.0%
RZ-12	St. Jude/Panorama View Pipeline	-	-	195,000	195,000	0.0%
RZ-15	Advanced Metering Infrastructure	3,301	3,301	100,000	96,699	3.3%
RZ-16	Vista Panorama PS Replacement	-	-	290,000	290,000	0.0%
RZ-17	RZ Valve Replacements Program	11,004	11,004	75,000	63,996	14.7%
RZ-18	RZ Hydrant Replacements Program	-	-	75,000	75,000	0.0%
Total Retail System		19,681	19,681	1,485,000	1,465,319	1.3%
Sewer System						
SS-06	Cured in Place Pipe (CIPP)	-	-	400,000	400,000	0.0%
SS-07	Manhole Additions, R, F & Covers	-	-	200,000	200,000	0.0%
SS-08	Manhole Rehab and Replacements	-	-	400,000	400,000	0.0%
SS-10	Sewer Vehicles & Equipment	-	-	970,000	970,000	0.0%
SS-12	Sewer Mainline Dig and Replace (from Master F	-	-	500,000	500,000	0.0%
Total Sewer System		-	-	2,470,000	2,470,000	0.0%
Joint Projects						
JP-09	Vehicles & Equipment Shared	-	-	10,000	10,000	0.0%
JP-10	Main Office Warehouse Replace	-	-	550,000	550,000	0.0%
JP-11	SCADA Vulnerability Improvements	-	-	200,000	200,000	0.0%
Total Joint Projects		-	-	760,000	760,000	0.0%
Capital Improvement Program Total		\$ 19,756	\$ 19,756	\$ 13,940,000	\$ 13,920,244	0.1%

July 2026 CIP Expenditures by System





MEMO

TO: BOARD OF DIRECTORS
FROM: GENERAL MANAGER *[Signature]*
SUBJECT: CONFLICT OF INTEREST POLICY UPDATE
DATE SEPTEMBER 17, 2026

Background

The Political Reform Act of 1974 requires local government agencies to adopt and maintain a Conflict of Interest Code identifying designated positions and the categories of economic interests that must be disclosed by persons serving in those positions. The District periodically reviews and updates its Conflict of Interest Code to ensure that it accurately reflects current law, the District's organizational structure, and applicable filing requirements.

The proposed Resolution adopts an updated Conflict of Interest Code for the East Orange County Water District and supersedes all prior codes and amendments. The updated Code continues to incorporate by reference the standard model conflict of interest code set forth in Title 2, California Code of Regulations, section 18730, together with the District's designated positions and disclosure categories set forth in Exhibits A and B.

The update is intended to reflect changes relating to the District's treasurer positions and filing requirements for officials who file Statements of Economic Interests. Members of the Board of Directors and the General Manager are identified as Government Code section 87200 filers and will file electronically with the Fair Political Practices Commission using the FPPC's online filing system. Other designated positions will continue to file with the District, and those filings will be made available for public inspection and reproduction as required by law.

Following adoption by the Board, the Secretary of the District will forward the Resolution and updated Conflict of Interest Code to the Clerk of the Orange County Board of Supervisors for review and approval, as required by Government Code section 87303.

Recommendation

Approve Resolution No. 26/27.03 adopting an updated Conflict of Interest Code for the East Orange County Water District, superseding all prior Conflict of Interest Codes and amendments previously adopted.

Attachment(s): Resolution No. 26/27.03

RESOLUTION NO. 26/27.03

RESOLUTION OF THE BOARD OF DIRECTORS OF THE EAST
ORANGE COUNTY WATER DISTRICT ADOPTING A CONFLICT
OF INTEREST CODE WHICH SUPERSEDES ALL PRIOR
CONFLICT OF INTEREST CODES AND AMENDMENTS
PREVIOUSLY ADOPTED

WHEREAS, the Political Reform Act of 1974, as set forth in Government Code Section 81000 et seq. (the "Act"), requires a local government agency to adopt a Conflict of Interest Code pursuant to the Act; and

WHEREAS, the East Orange County Water District ("EOCWD") has previously adopted a Conflict of Interest Code and that Code now requires updating in light of the removal and/or consolidation of the treasurer positions; and

WHEREAS, amendments to the Act have in the past and foreseeably will in the future require conforming amendments to be made to the Conflict of Interest Code; and

WHEREAS, the Fair Political Practices Commission has adopted a regulation, Title 2, California Code of Regulations, Section 18730, which contains terms for a standard model Conflict of Interest Code, which, together with amendments thereto, may be adopted by public agencies and incorporated by reference to save public agencies time and money by minimizing the actions required of such agencies to keep their codes in conformity with the Political Reform Act;

NOW, THEREFORE, the Board of Directors of the East Orange County Water District DOES HEREBY RESOLVE, DETERMINE AND ORDER as follows:

Section 1. The terms of Section 18730 of Title 2 of the California Code of Regulations, as well as any amendments to Section 18730 duly adopted by the Fair Political Practices Commission, are hereby incorporated by reference and, together with Exhibits A and B in which members and employees are designated and disclosure categories are set forth, constitute the Conflict of Interest Code of the East Orange County Water District.

Section 2. The provisions of all Conflict of Interest Codes and Amendments thereto previously adopted by EOCWD are hereby superseded.

Section 3. Members of the Board of Directors and the General Manager shall file their statements of economic interests electronically with the Fair Political Practices Commission ("FPPC") using the FPPC's online filing system. All other designated positions shall file their statements of economic interests with the District, which will make the statements available for public inspection and reproduction per Government Code Section 81008.

Section 4. "Consultants/New Positions" are included in the list of designated positions and shall disclose pursuant to the broadest disclosure category in the Conflict of Interest Code, subject to a written determination from the General Manager that the particular consultant or new position, although a designated position, is hired to perform a range of duties that is limited in scope and thus is not required to fully comply with the disclosure requirements in this Section 4. Such written determination shall include a description of the duties of the consultant or new position and, based on that description, a statement of the extent of disclosure requirements. The General Manager's determination is a public record and shall be retained for public inspection in the same manner and location as this Conflict of Interest Code, per Government Code Section 81008.

Section 5. The Secretary of the District (Filing Officer) is hereby authorized to forward a copy of this Resolution to the Clerk of the Orange County Board of Supervisors

for review and approval by the Orange County Board of Supervisors as required by California Government Code Section 87303.

ADOPTED, SIGNED AND APPROVED this 17th day of September, 2026.

AYES: _____

NOES: _____

ABSTAIN: _____

ABSENT: _____

George Murdoch, President
EAST ORANGE COUNTY WATER DISTRICT and of
the Board of Directors thereof

Jeffrey A. Hoskinson, Secretary
EAST ORANGE COUNTY WATER DISTRICT and of
the Board of Directors thereof



Conflict of Interest Code EXHIBIT A

Entity: Water Districts

Agency: East Orange County Water District

Position	Disclosure Category	Files With
Consultant/New Position	OC-01	Agency
District Engineer	OC-43	Agency
Engineering Consultant	OC-30	Agency
Financial Consultant	OC-30	Agency
General Legal Counsel	OC-01	Agency
GIS Manager	OC-41	Agency
Operations Manager	OC-41	Agency
Secretary	OC-01	Agency
Special Legal Counsel	OC-30	Agency

Total: 9

OFFICIALS WHO ARE SPECIFIED IN GOVERNMENT CODE SECTION 87200

Officials who are specified in Government Code section 87200 (including officials who manage public investments, as defined by 2 Cal. Code of Regs. § 18700.3 (b)), are NOT subject to the Agency's Conflict of Interest Code, but are subject to the disclosure requirements of the Political Reform Act, Government Code section 87100, et seq. Gov't Code § 87203. These positions are listed here for informational purposes only.

General Manager

Files with FPPC - SB852

Member of the Board of Directors

Files with FPPC - SB852

The disclosure requirements for these positions are set forth in Government Code section 87200, et. seq. They require the disclosure of interests in real property in the agency's jurisdiction, as well as investments, business positions and sources of income (including gifts, loans and travel payments).



Disclosure Descriptions EXHIBIT B

Entity: Water Districts

Agency: East Orange County Water District

Disclosure Category	Disclosure Description
87200 Filer	Form 87200 filers shall complete all schedules for Form 700 and disclose all reportable sources of income, interests in real property, investments and business positions in business entities, if applicable pursuant to Government Code Section 87200 <i>et seq</i> .
OC-01	All interests in real property in Orange County, the authority or the District as applicable, as well as investments, business positions and sources of income (including gifts, loans and travel payments).
OC-30	Consultants shall be included in the list of designated employees and shall disclose pursuant to the broadest category in the code subject to the following limitation: The County Department Head/Director/General Manager/Superintendent/etc. may determine that a particular consultant, although a "designated position," is hired to perform a range of duties that is limited in scope and thus is not required to fully comply with the disclosure requirements in this section. Such written determination shall include a description of the consultant's duties and, based upon that description, a statement of the extent of disclosure required. The determination of disclosure is a public record and shall be filed with the Form 700 and retained by the Filing Officer for public inspection.
OC-41	All interests in real property in Orange County, the District or Authority, as applicable, as well as investments in, business positions with and income (including gifts, loans and travel payments) from sources that provide services, supplies, materials, machinery, vehicles, or equipment (including training and consulting services) used by the County Department, Authority or District, as applicable.
OC-43	All income, investments, and business positions; and all income from gifts, to the extent the same arise from entities dealing in engineering design or other engineering work on public agency projects and construction firms and construction-related enterprises of any kind dealing with public agency projects, or otherwise doing business in the engineering or construction sector or any other supporting business section within Orange County, the Authority or the District, as applicable.

Grand Total: 5



Master List of Agency Filers (Working Draft)

Entity: Water Districts

Agency: East Orange County Water District

Last Name	First Name	Middle Name	Position	Division	Category	Files With
Files with Agency			Consultant/New Position		OC-01	Agency
Files with Agency			District Engineer		OC-43	Agency
Files with Agency			Engineering Consultant		OC-30	Agency
Files with Agency			Financial Consultant		OC-30	Agency
Files with Agency			General Legal Counsel		OC-01	Agency
Files with Agency			GIS Manager		OC-41	Agency
Files with Agency			Operations Manager		OC-41	Agency
Files with Agency			Secretary		OC-01	Agency
Files with Agency			Special Legal Counsel		OC-30	Agency
Vacant			General Manager		87200 Filer	FPPC - SB852
Vacant			Member of the Board of Directors		87200 Filer	FPPC - SB852

Grand Total: 11

MEMO

TO: BOARD OF DIRECTORS
FROM: GENERAL MANAGER *ry*
SUBJECT: EMERGENCY RESPONSE PLAN UPDATE
DATE: SEPTEMBER 17, 2026

Background

Staff is providing this report, along with excerpts from the Emergency Response Plan (ERP), for clarity on Board roles and responsibilities during an emergency. Per the ERP, ultimate responsibility for EOCWD's response to an emergency lies with the General Manager. Staff will provide status updates throughout an emergency to the Emergency Operations Center (EOC) Incident Commander (General Manager). The General Manager will be the lead in communications. Board member's actions include deferring public communications to the General Manager, unless otherwise instructed by the General Manager. As noted in the ERP, this will ensure consistent, accurate, and timely communication with the public and media.

Staff is underway with training on the ERP and its components, including enrolling in emergency response classes. There have been areas of continuous improvements identified with the ERP and updates are incorporated accordingly.

The ERP is considered an internal document, as it relates to specific actions at specific sites for continuous operation of water and sewer functions. While it may be shared with the public upon request, portions should be redacted for security reasons.

Recommendation

Informational

Attachment(s):

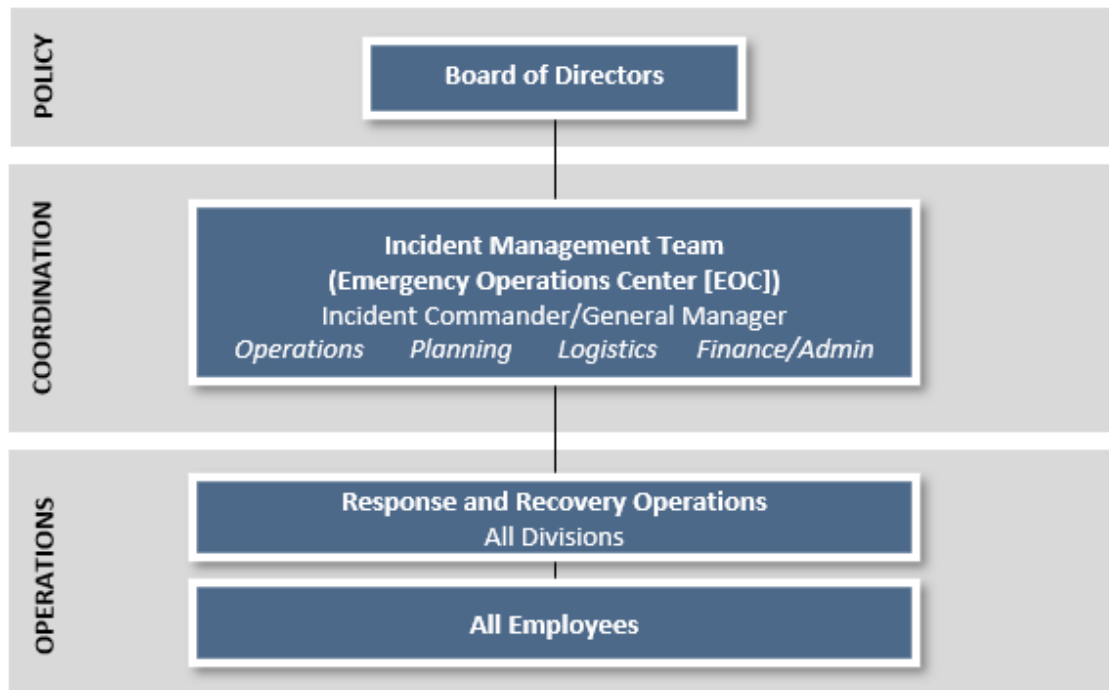
Excerpts from the Emergency Response Plan

- Table 4-1: Emergency Management Organization
- Table 5-1: Emergency Activation Levels

4 EMERGENCY MANAGEMENT ORGANIZATION

In the event the utility activates the EOC (see **Section 7**), utility actions will be managed using the ICS. **Figure 4-1** illustrates the fundamental relationships between the policy, coordination, and operations elements of the ICS management structure in the EMO.

Figure 4-1. Emergency Management Organization



- **Incident Command System (ICS).** Emergency Operations Center (EOC) field operations and EOC support will use the ICS to manage incidents. The EOCWD uses five primary ICS functions to manage incidents:
 - Command (field)/Management (EOC)
 - Operations
 - Planning/Intelligence
 - Logistics
 - Finance/Administration
- **Multi-Agency Coordination.** The EOCWD will proactively coordinate with internal and external partners, coordinate emergency response activities, and allocate resources. This includes coordinating with WEROC on strategies to integrate communication and information sharing.
- **Mutual Aid.** The EOCWD will use its own resources in the first instance and then pursue resource support through mutual aid. Resource requests may be escalated to the EOC or to WEROC to facilitate mutual aid through CalWARN.
- **Operational Area (OA).** The EOCWD is an active participant in the Orange County OA across all phases of emergency management, including operational coordination between the EOC and the OA EOC.

Table 5-1. EOCWD Emergency Activation Levels

Level	Type	Definition	EOCWD	Notifications
High	Disaster	- District resources are overwhelmed, and extensive county, State, and/or Federal resources are required. - Loss of water supply, water, contamination outbreak, total loss of power, cyber incident with business and operational impacts, loss of physical security with damage to multiple facilities or equipment, major earthquake or wildfire with impacts to EOCWD.	- Implement ERP. - On-scene Incident Command and Incident Command Post (ICP) established. - EOCWD EOC Full Activation. - Local disaster declaration issued.	- EOCWD Board of Directors - General Manager, Department Managers, staff, applicable contractors - Orange County Sheriff's Department (OCSD) and local police departments - Orange County Fire Authority (OCFA), City of Orange Fire Department - Metropolitan and WEROC - Orange County EOC - City of Tustin EOC and Public Works
Medium	Major Emergency	- District resources are not adequate and mutual aid is required; incident requires enhanced coordination. - Unsafe water supply, collapse of reservoirs, loss of power or public safety power shutoff (PSPS) with localized impacts, cyber incident with business operations impacts, loss of physical security or damage to a facility or select equipment, earthquake or wildfire with potential impacts to EOCWD.	- Implement ERP. - On-scene Incident Command and ICP established. - EOCWD Partial EOC Activation. - Local disaster declaration not issued.	- EOCWD Board of Directors, General Manager, Department Managers, staff, applicable contractors - OCSD and local police departments - OCFA, City of Orange Fire Department - Metropolitan and WEROC - Orange County EOC - City of Tustin, EOC and Public Works
Low	Minor Emergency	- Emergency can be managed by first responders and within available EOCWD resources. - Individual main break or equipment failure.	- Implement ERP, as needed. - On-scene Incident Command established and ICP if required. - EOCWD EOC not activated. - Local disaster declaration not issued.	EOCWD General Manager and Department Managers

MEMO

TO: BOARD OF DIRECTORS
FROM: GENERAL MANAGER 
SUBJECT: HANDY CREEK RESERVOIR FINAL DESIGN AWARD
DATE: SEPTEMBER 17, 2026

Background

Last August, the District entered into a Professional Services Agreement with Carollo Engineers to complete a Preliminary Design Report (PDR) related to the “Peters Canyon” reservoir located at the old Filtration Plant site. The project will reduce the risk to critical infrastructure from both seismic activity and wildfires. The work is partially funded from FEMA’s Hazard Mitigation Grant Program, with CalOES as the applicant and EOCWD as the sub-applicant. The project is broken into two phases – Phase 1 for Engineering, Design, and Environmental Review and Phase 2 for construction.

Per the terms of the approved funding, the Phase 1 deliverables include a seismic parameters report, predesign report evaluating construction materials, topographic mapping, quality control and assurance plans, an alternative construction methods analysis, 30% preliminary design plans, a detailed PDR, and final engineering/design services (to 100%). Carollo completed the PDR in July, along with 30% design plans and addressed each requested deliverable except for final engineering/design services. Staff confirmed with the CalOES grant specialist that a competitive solicitation is needed for all large contracts, to be in conformance with the procurement clauses identified in Title 2 of the Code of Federal Regulations (2 CFR 200.318-320).

A Request for Proposals (RFP) to prepare the final engineering design was posted on the District’s updated website and sent to several qualified consultants with previous experience preparing such documents. The majority of firms declined to submit a proposal, citing a variety of reasons, including insufficient resources due to timing, lack of technical staff available, and not being well positioned for the work. While only one firm submitted, staff believes Carollo would produce another high quality work effort. Staff reviewed the proposal, finds Carollo’s proposal to be consistent with the level of effort, and recommends award of a professional services agreement for final design to Carollo based on their team, approach, in-depth local knowledge and overall excellent value.

The institutional naming convention for the reservoir has been called the “Peters Canyon” Reservoir. However, it was brought to staff’s attention that the State of California’s Department of Water Resources, Division of Safety of Dams (DSOD) originally named the nearby structure in Peters Canyon Regional Park as the Peters Canyon Dam (Dam #1012-6, with the County as the Owner, built in 1932). Since the Peters Canyon Dam retains a body of water known as a reservoir, although not officially named by the State, the Peters Canyon Reservoir appears to refer to a non-EOCWD facility and has been identified in other official County documents. In order to avoid future confusion between the two reservoirs that are less than one mile apart, staff is proposing an informal name change. Since the EOCWD reservoir is located off of a private access road named Handy Creek Road, for purposes moving forward, staff will utilize the naming convention following that of the “Newport” Reservoir, which is located off of Newport Blvd.

Budget Analysis

Funding for the final design effort will be provided in part by FEMA’s Phase 1 approved HMGP funds. The funding requires a 25% local funds cost share, which will come from Wholesale Reserves and has been included in the FY26-27 budget.

Environmental Documentation

The nature of this work falls under the category of report/study and although it may lead to construction, has no direct environmental impact at this time. As stated in the terms of the grant award, Phase 1 of the project has been determined to be Categorically Excluded from the need to prepare either an Environmental Impact Statement or Environmental Assessment. Staff will work with a consultant to prepare appropriate environmental documentation for the construction Phase at a later date.

Recommendation

Staff recommends that the Board award a Professional Services Agreement in the amount of \$590,957 to Carollo Engineers, Inc. to complete the Handy Creek Reservoir Final Design.

Attachment(s)

Carollo Proposal



PROPOSAL PREPARED FOR
EAST ORANGE COUNTY
WATER DISTRICT

**Wholesale System
Handy Creek
Reservoir Replacement
Phase 1: Final Design**

SEPTEMBER 2026



carollo®

Statement of Understanding



September 10, 2026

Mr. Bobby Young, P.E., Engineering Manager
East Orange County Water District
185 N. McPherson Road
Orange, CA 92869

Subject: Wholesale System Handy Creek Reservoir Replacement – Proposal for Phase 1 - Final Design

Dear Mr. Young:

The East Orange County Water District (EOCWD/District) recently completed the preliminary design for replacement of its Handy Creek Reservoir, a key component of the District's Wholesale Zone (WZ) water system, which is more than 60 years old.

The District is now seeking to hire a highly qualified engineering consultant to prepare the Final Design Drawings and Specifications for construction of the replacement reservoir. Carollo Engineers, Inc. (Carollo) is that consultant! We are ready to team once again with the District to deliver the final design drawings and specifications on time and on budget! Our handpicked team offers the following benefits to the District:

A team ready to start work immediately: The District is receiving funding from CalOES for the project and must therefore adhere to strict grant award deadlines. Having recently completed the preliminary design for the Handy Creek replacement reservoir for the District, the Carollo team, led by **Miko Aivazian** as project manager and **Matt Huckaby** as project engineer, can move seamlessly into final design, avoiding any time delays.

Unmatched relevant technical expertise: Carollo's team specializes exclusively in water reservoirs, having designed and overseen the construction of over 150 storage facilities across California. Most recently, as mentioned, our team successfully completed the preliminary design of your Handy Creek Reservoir. We bring extensive experience with all types of reservoirs—welded steel, prestressed, and cast-in-place—as well as associated pump stations and pipelines, allowing us to prepare Final Design Drawings and Specifications tailored to the District's specific needs.

We certainly appreciate the opportunity to continue providing engineering services to EOCWD. Please contact the undersigned if you have any questions about our proposal or need any additional information.

Sincerely,

CAROLLO ENGINEERS, INC.

Graham Juby, PhD, PE / Principal-in-Charge
714-376-7231 / gjgjury@carollo.com

Miko Aivazian, PE / Project Manager
626-379-2370 / maivazian@carollo.com

Project Background, Understanding, and Approach

Project Understanding

The Preliminary Design Report and 30% Design Plans prepared by Carollo have established a 3.0 million gallon (MG) circular prestressed concrete reservoir as the preferred project. The next phase should build directly on this decision, validate the basis of design, and advance the concept into a coordinated bid-ready package that is practical to construct, simple to operate, and resilient over the long term.

1. Confirm the Basis of Design and Project Drivers

Our first step will be to confirm the design criteria developed during the preliminary phase and convert those assumptions into a clear Basis of Design. This will include operational storage, emergency storage, fire flow, pressure zone requirements, high-water level, overflow elevation, freeboard, reservoir diameter, site grading limits, yard piping connections, access, security, and anticipated construction sequencing. Because the project has already advanced through a preliminary design phase, our effort will focus on confirming that the selected 3.0 MG reservoir remains aligned with current system needs rather than restarting the alternatives analysis. An important aspect of this will be to coordinate with Metropolitan Water District of Southern California (MWD) for the current pumping capacity and pumping head increase.

2. Refine the Reservoir Configuration and Site Civil Improvements

The final design will refine the circular prestressed concrete reservoir layout so the facility fits the site efficiently and supports long-term operations and maintenance. Reservoir geometry will be coordinated with grading, retaining walls (if needed), access roads, drainage, overflow and drain facilities, finished site elevations, and tie-ins to existing pipelines. The site design will emphasize reliable operator access, safe maintenance circulation, constructability, and minimizing unnecessary excavation or retaining wall costs. Several important items, such as fire issues during construction as well as the existing slope between CA-261 and the site will be addressed since any large release of water during construction can impact the stability of the slope.

3. Advance Structural, Geotechnical, and Seismic Design

Prestressed concrete reservoirs provide a durable and low-maintenance storage solution when properly integrated with geotechnical and seismic requirements. Our structural approach will coordinate foundation design, wall and floor slab design, roof structure, prestressing requirements, seismic sloshing considerations, penetrations, joints, underdrainage, and appurtenances. Geotechnical recommendations will be incorporated early so that foundation bearing, settlement, excavation, and seismic design assumptions are reflected consistently across the drawings, specifications, and cost estimate.

4. Integrate Yard Piping, Controls, and Operations

The reservoir must operate as part of the District's existing water system, not as a stand-alone structure. The final design will coordinate inlet, outlet, overflow, drain, bypass, valve, air-vacuum, sampling, level monitoring, electrical, instrumentation, and SCADA requirements. The piping arrangement will be reviewed for hydraulic performance, isolation flexibility, maintenance access, and clear operational logic. Special attention will be given to startup, disinfection, testing, and cutover requirements so that the completed reservoir can be placed into service with minimal operational disruption.

5. Develop a Practical Construction Sequencing Strategy

Maintaining reliable water service during construction will be a central project objective. Building on the preliminary design, we will develop a sequencing plan that identifies required shutdowns, temporary connections, bypass piping, temporary storage needs, access limitations, contractor staging, and commissioning steps. Constructability reviews will be performed at major design milestones to identify opportunities to reduce risk, simplify construction, maintain access, and avoid unnecessary change orders during construction.

6. Coordinate Permitting, Cost Control, and Quality Management

Permitting and stakeholder coordination will be started early so District comments are incorporated before final design completion. Potential requirements may include grading permits, building permit review, stormwater compliance, utility coordination, Fire District coordination, and environmental documentation support. Opinion of probable construction cost updates will be prepared at major milestones and compared against the conceptual estimate to manage scope and budget. Our quality management approach will include interdisciplinary reviews of civil, structural, mechanical, electrical, instrumentation, specifications, and cost estimating deliverables to provide a coordinated and biddable final design package.

In addition, to add another level of quality, we will provide an independent QA/QC check of the drawings and specifications at the 90% design level, conducted by a team of senior discipline engineers not previously involved in the design.

KEY FOCUS AREAS FOR THE FINAL DESIGN PHASE

Focus Area	Why It Matters	Design Response
Hydraulic fit	Confirms the reservoir operates within the intended pressure zone and system controls.	Verify high-water level, operating range, overflow elevation, inlet/outlet sizing, and system tie-ins.
Constructability	Reduces construction risk and helps avoid operational conflicts during implementation.	Review staging, access, excavation, temporary service needs, shutdowns, testing, and cutover sequencing.
Long-term resilience	Supports durable service life with reduced maintenance demand.	Coordinate seismic, geotechnical, structural, corrosion, drainage, access, and SCADA requirements into one design package.

Outcome

The result will be a complete final design package that carries forward the decisions made in the Preliminary Design Report while addressing constructability, permitting, operations, and long-term resiliency. This approach provides the District with continuity, schedule certainty, and a technically sound reservoir design that can be confidently advanced into bidding and construction.

Scope of Services and Schedule

The following provides a summary of our proposed Scope of Services.

Scope of Services

Carollo will provide professional engineering services to advance the reservoir replacement project from the preliminary design through final design. The scope below is organized around project management, baseline research, records review, progressive design submittals, and optional services that may be authorized if needed during final design.

Task 1.0 - Project Oversight, Management, and QA/QC

Carollo will provide overall project management, technical coordination, and quality assurance services throughout the duration of the project. The Project Manager will serve as the primary point of contact with District staff and will be responsible for project administration, schedule and budget monitoring, coordination of technical resources, and communication among project stakeholders. Carollo will implement its established Quality Management Program to help confirm that deliverables are complete, technically sound, and consistent with applicable engineering standards and District requirements.

Task 1.1 - Kickoff and Design Review Meetings

Carollo will facilitate and attend a project kickoff meeting and design review meetings at the 60-percent, 90-percent, and 100-percent design milestones. Meeting agendas and supporting materials will be prepared in advance, and meeting summaries with decisions, action items, and responsible parties will be prepared following each meeting. We have included a total of four (4) meetings for this task.

Task 1.2 - Progress Meetings

Carollo will participate in monthly virtual progress meetings with District engineering, operations, and maintenance staff. These meetings will be used to review project status, technical issues, schedule updates, action items, operational constraints, and upcoming decisions requiring District input. Carollo will prepare meeting agendas and minutes for each meeting. We have included a total of six (6) meetings for this task.

Task 1.3 - Project Management

Project management activities will include coordination with District staff, subconsultant management, budget and schedule tracking, invoice preparation, document control, and internal team coordination. Carollo will maintain regular communication with the District to support timely decisions and progress toward design milestones.

Task 1.4 - Quality Assurance and Quality Control

Carollo will perform internal quality assurance and quality control reviews for all submittals. Reviews will focus on technical accuracy, consistency between drawings and specifications, constructability, completeness of calculations, and compliance with applicable codes, standards, and District requirements. At the 90% design level, we will provide an independent QA/QC check of the drawings and specifications, conducted by a team of senior discipline engineers not previously involved in the design.

Task 2.0 - Baseline Research

Carollo will review available project information and perform field reconnaissance to confirm existing conditions and establish the basis of design for final engineering. Information gathered during this task will be used to refine project criteria, identify design constraints, and support development of construction sequencing recommendations.

Task 2.1 - Review Existing Documents

Carollo will review available reports, studies, drawings, specifications, geotechnical information, record drawings, utility information, operational data, and the Preliminary Design Report. The review will identify relevant design criteria, previous recommendations, data gaps, and information needed to advance the project to final design.

Task 2.2 - Site Visit

Carollo will conduct a site visit to observe existing site conditions, verify critical features, review access requirements, evaluate operational constraints, and identify factors that may affect design and

construction sequencing. Observations from the site visit will be incorporated into the design development process.

Task 2.3 - Demolition, Construction Sequencing, and Temporary Tank Planning

Carollo will evaluate demolition requirements, reservoir replacement sequencing, temporary facilities, and operational considerations needed to maintain reliable service during construction. Carollo will coordinate with District operations staff regarding available temporary tank locations, tie-ins, site access, and operating constraints.

Task 2.4 - Construction Schedule Development

Carollo will prepare a construction schedule identifying major project milestones, anticipated sequencing requirements, temporary facility needs, potential shutdowns or outages, and critical path activities. The schedule will be refined as the design progresses.

Task 3.0 - 60 Percent Final Design

Carollo will prepare a 60-percent design submittal that finalizes the project layout, design criteria, and major facility components. The submittal will provide sufficient detail for District review and confirmation of the design direction before proceeding to more detailed documents.

Task 3.1 - 60 Percent Plans

Carollo will prepare 60-percent drawings for the reservoir, site improvements, yard piping, valves, vaults, drainage facilities, pavement, and associated appurtenances. The drawings will establish the project layout, major dimensions, equipment configuration, and primary design elements.

Task 3.2 - 60 Percent Specifications

Carollo will prepare preliminary technical specifications defining materials, equipment, construction requirements, and performance criteria for major project components. The specifications at 60% level will include the table of contents and the major technical specifications. Front end specifications will be provided by the District.

Task 3.3 - 60 Percent Cost Estimate

Carollo will prepare an opinion of probable construction cost based on the 60-percent design

documents, anticipated construction methods, and current market conditions. The cost estimate will be a Class 3 estimate.

Task 4.0 - 90 Percent Final Design

Following receipt of District review comments on the 60-percent submittal, Carollo will refine the design and incorporate agreed-upon comments into the project documents. The 90-percent design package will represent a substantially complete project suitable for detailed District and constructability review.

Task 4.1 - 90 Percent Plans

Carollo will update and expand the design drawings to incorporate District review comments and finalize engineering details, dimensions, equipment layouts, tie-ins, site improvements, and construction requirements.

Task 4.2 - 90 Percent Specifications

Carollo will revise and expand the technical specifications to reflect the updated design and provide detailed construction requirements for bidding and construction. At this level of design, the specifications will be completed including the front end specifications provided by the District. At the 90% design level, we will provide an independent QA/QC check of the drawings and specifications, conducted by a team of senior discipline engineers not previously involved in the design.

Task 4.3 - 90 Percent Cost Estimate

Carollo will update the opinion of probable construction cost based on the refined design documents and available pricing information. The cost estimate will be a Class 1 estimate.

Task 5.0 - 100 Percent Final Design

Carollo will prepare final design documents suitable for bidding and construction. District review comments will be addressed, and the final design documents will be signed and sealed by the Engineer of Record as appropriate.

Task 5.1 - 100 Percent Plans

Carollo will prepare complete final design drawings incorporating approved revisions and comments received during the review process. Drawings will be coordinated across disciplines and prepared for use in the bid documents. A preliminary list of anticipated

drawings is included in Appendix A.

Task 5.2 - 100 Percent Specifications

Deliverable	Description
Final Drawings	Signed and sealed final design drawings, as applicable.
Final Technical Specifications	Completed technical specifications suitable for bidding and construction.
Final Cost Estimate	Final engineer's opinion of probable construction cost.
Engineering Calculations	Final design calculations supporting the completed design.
Construction Schedule	Updated construction schedule reflecting major milestones and sequencing requirements.

inclusion in the project bid documents.

Task 5.3 - 100 Percent Cost Estimate

Carollo will prepare a final engineer's opinion of probable construction cost reflecting the completed design documents. The cost estimate will be a Class 1 estimate.

Task 6.0 - Additional Optional Tasks

The following optional services may be authorized by the District if determined necessary during final design. These services will be performed only upon written authorization from the District.

Task 6.1 - Additional Geotechnical Field Investigations

If additional geotechnical information is required, Carollo will coordinate supplemental field explorations, laboratory testing, and geotechnical analyses to support final design of the reservoir, temporary tank facilities, site improvements, and related structures.

Task 6.2 - Coordination with MWD

Carollo will coordinate with the Metropolitan Water District regarding inlet pumping considerations related to the higher reservoir hydraulic grade line, as needed. Coordination may include review of operating constraints, required information, and interface requirements affecting the final design.

Task 6.3 - SCE Coordination and Electrical Permit

If required, Carollo will coordinate with Southern California Edison regarding electrical service requirements, meter placement, electrical demand information, and permit application requirements associated with the project facilities.

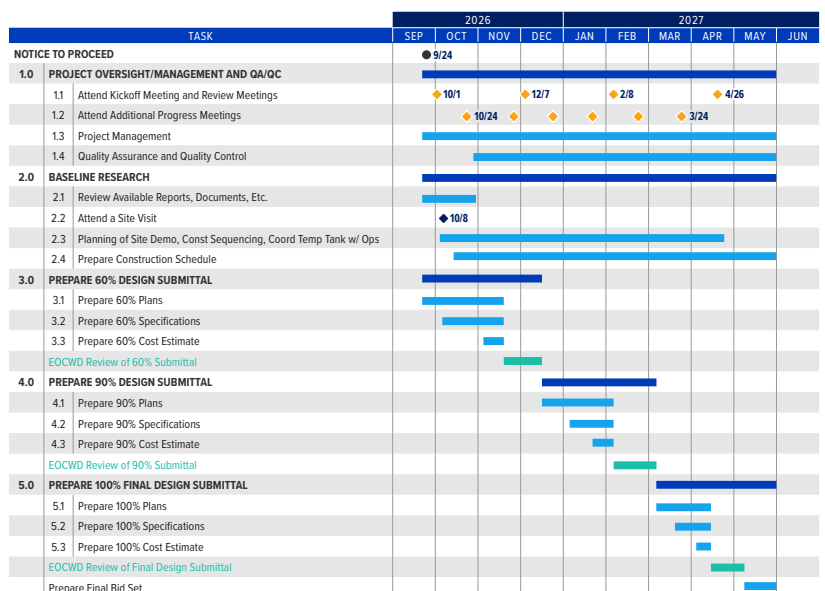
Task 6.4 - Assist and Provide Information for CEQA Documentation

If required, Carollo will assist the District in providing design-related information for CEQA Documentation.

Schedule

We expect to be able to complete the final design within seven to eight months of receiving the notice to proceed, as shown to the right.

A detailed project schedule can be found in Appendix A.



Project Team

Critical to the success of the project is the team of individuals selected to perform the work. Carollo is ready to partner with you every step of the way!

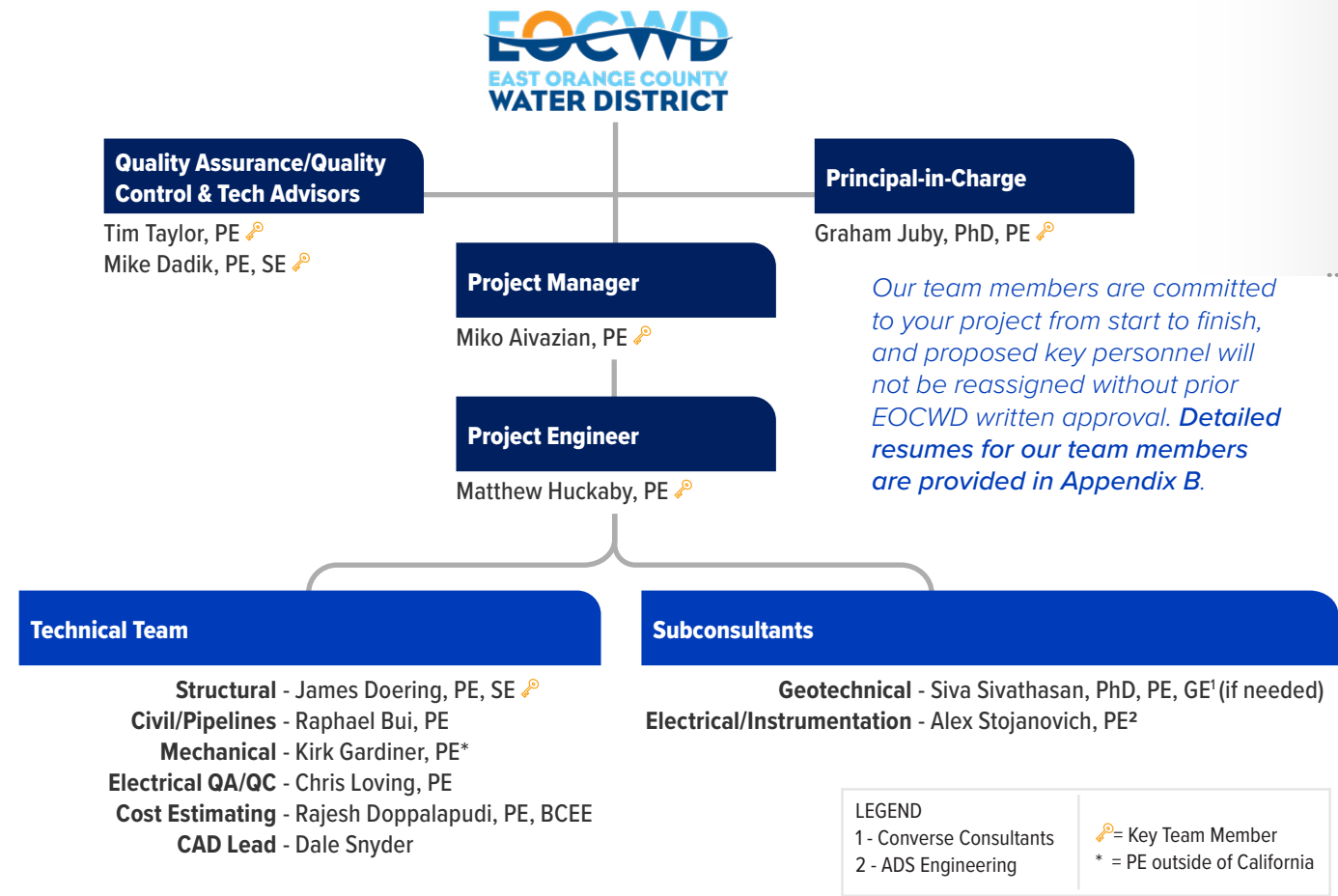
Firm Information

Carollo is a full-service, environmental engineering firm that has been exclusively delivering water management solutions across the U.S. for 93 years. Our clients have counted on us to help them meet public expectations and navigate the increasingly complex challenges of protecting water resources and delivering water services that meet regulatory requirements with innovative technologies and tailored solutions.

Carollo has more than 1,900 employees, including more than 700 registered engineers located throughout the U.S. In California, a staff of more than 450 professionals is available to support our proposed local project manager and project engineer to successfully complete your reservoir seismic reconstruction project.

Why Carollo is the Right Team

We are a recognized leader in designing and building water storage and conveyance facilities in Southern California. A key prerequisite to making great things happen on a project is to bring on personnel who have not only the engineering experience, but also the technical understanding and the know-how to deliver sound engineering practices. Carollo's role is to deliver your project to meet the District's goals and objectives. We do this by selecting the right team, with a project manager who has the personality and ability to build a trusted relationship with your staff. The District can be confident that our experienced team will apply engineering solutions that are best suited for your project. The majority of Carollo's project team is based out of our Orange County and Los Angeles offices, placing key personnel within close proximity to the District and supporting rapid response times throughout all phases of the project.



Your Project Manager



LOCATION
Los Angeles, CA

Miko Aivazian, PE / Project Manager

WHY MIKO: Miko has more than 36 years of experience in planning, design, condition assessment, and construction of facilities for environmental, industrial, and commercial projects. He has been involved as a Senior Project/Client Manager and engineer for numerous water/wastewater projects, including planning, study, design, and construction management of pumping stations, reservoirs, conveyance pipelines, and water and wastewater treatment plants. Reservoirs, pumping stations, and pipelines are in line with Miko's past experience. He has managed the design and construction of more than two dozen reservoir projects ranging from 1.0 MG to 55.0 MG.

Miko has served as project manager on the following five most relevant projects:



East Orange County Water District, California
Handy Creek Reservoir Replacement Preliminary Design



San Diego International Airport, California
Cistern C and Force Main



City of Redlands, California
WWTP Recycled Water Reservoir and Pump Station Project



City of Riverside, California
16 MG Evans Reservoir Replacement Project, 16 MG Linden Reservoir Rehabilitation Project



City of South Pasadena, California
Graves Reservoir Replacement and Wellhead Water Treatment Grand Reservoir Replacement Project

Proposed Key Team Members



LOCATION
Los Angeles, CA

Matthew Huckaby, PE / Project Engineer

WHY MATTHEW: Matthew has 20 years of experience in design of water and wastewater infrastructure projects, with particular emphasis on structural and seismic design, hydrologic and hydraulic design, and site layout/horizontal control with a hands-on approach to managing design plans, specifications, calculations, reports, schedules, and cost estimates. His experience includes design and engineering services during construction for reservoirs (precast concrete, cast-in-place concrete, and steel), pump stations, water and wastewater treatment plants, pipelines, channels, spreading basins and detention ponds, encompassing wastewater, recycled water, stormwater, and potable water. Matt served as the Project Engineer for the recently completed preliminary design of the Handy Creek Reservoir Replacement Project.

Project references, the Disclosure of Joint Venture/Subcontract Arrangements, Conflict of Interest documentation, and Insurance coverage are provided in Appendix A.

Proposed Key Team Members *(Continued)*



LOCATION
Costa Mesa, CA

Graham Juby, PhD, PE / Principal-in-Charge

★ WHY GRAHAM: Graham brings more than 40 years of proven experience in planning and designing water and wastewater treatment facilities. He has worked in Orange County for more than 25 years and has served as the principal-in-charge or project manager on multiple projects to provide cost-effective and environmentally conscious solutions to various water quality issues. Graham was the Project Manager for EOCWD's 2015-2019 Peters Canyon Water Treatment Plant Feasibility Study and Master Plans Update Project, and most recently served as the principal-in-charge for the preliminary design of the Handy Creek Reservoir Replacement Project for the District.



LOCATION
Sacramento, CA

Tim Taylor, PE / QA/QC / Technical Advisor

★ WHY TIM: Tim is Carollo's Director of Infrastructure Practice and has served as project manager for numerous water and wastewater infrastructure and treatment projects. With more than 39 years of experience in engineering design, construction, and project management for water distribution systems, gravity sewer collection systems, pump stations, water and wastewater treatment facilities, geographic information system (GIS), and modeling projects, Tim is proficient in all aspects of management, technical engineering, modeling, GIS, and design software. He has designed pipelines ranging from 12 inches up to 148 inches in diameter, as well as pump stations ranging in size from a few hundred gpm up to over 100 mgd.



LOCATION
Walnut Creek, CA

Mike Dadik, PE, SE / QA/QC / Technical Advisor

★ WHY MIKE: Mike has 34 years of experience in structural design of water, wastewater, and civil engineering projects, including rehabilitation and seismic vulnerability assessments. He has overseen the structural design of numerous projects ranging from large WWTP upgrades and expansions to pump station seismic retrofits. Mike will provide technical advice to the design team as the project heads into the final design phase.



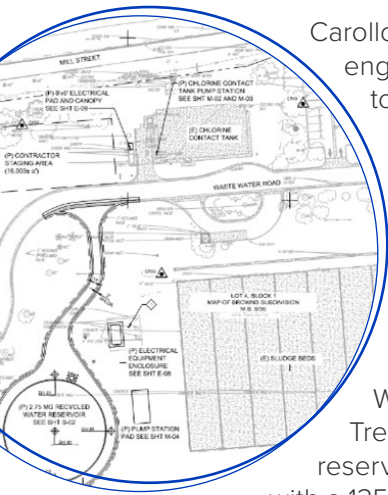
LOCATION
Costa Mesa, CA

James Doering, PE, SE / Structural Lead

★ WHY JAMES: James serves as Carollo's Chief Structural Engineer and has more than 31 years of structural design experience, including structural analysis and design, seismic evaluation and retrofit, rehabilitation, review, and assessment for water and wastewater treatment facilities, pump stations and reservoirs. James was the lead structural engineer for the condition assessment of the 6.0 MG Peters Canyon Reservoir for EOCWD as well as for the preliminary design of the Handy Creek Reservoir Replacement Project. James will continue in his role as the structural lead during the final design.

WWTP Recycled Water Tank and Pump Station

City of Redlands, CA



Carollo provided engineering services to the City of Redlands for a 2.75 MG circular pre-stressed concrete recycled water reservoir and a 10 MG per day pump station at the Redlands Wastewater

Treatment Facility. The reservoir, partially buried with a 125-foot diameter and 30-foot water depth, required Federal Aviation Administration review due to its proximity to San Bernardino International Airport.

The pump station features a 3+1 vertical turbine pump configuration at grade, located adjacent to the reservoir. Carollo prepared a Reservoir Alternatives Technical Memorandum, evaluating several options, including welded steel, cast-in-place, and pre-stressed concrete reservoirs, ultimately selecting the single circular pre-stressed concrete reservoir. Two pump station alternatives were considered, with the preferred solution being a new 10-mgd pump station and conversion of existing pumps to low head.

A Hydraulic Model Analysis Project Memorandum was developed to assess system configurations and impacts on Southern California Edison and Zone 1350 users, supporting the evaluation and final design.

REFERENCE:

John Harris
35 Cajon Street, Suite 15A
Redlands, CA 92373
909-798-7658
jharris@cityofredlands.org

TEAM INVOLVEMENT:

M. Aivazian, Project Manager
M. Huckaby, Project Engineer
G. Juby, Principal-in-Charge
T. Taylor, QA/QC
R. Bui, Civil Site and Pipelines
J. Doering, Structural Lead
D. Snyder, CAD

3.0 MG Cistern C and Force Main

San Diego International Airport, CA



Carollo was engaged by Sundt Construction, Inc. to provide design and engineering services during construction of Cistern "C," a stormwater storage tank at San Diego International Airport, as outlined in the 2018 Stormwater Master Plan. The project, developed for the San Diego Airport Authority, aimed to capture and reuse stormwater runoff from 77.9 acres, achieving an 85% capture rate as validated by Carollo's hydrology model. Runoff is conveyed to Cistern "C" through 24- to 54-inch diameter reinforced concrete pipe storm drains. The cistern, with a 3.0-million-gallon storage capacity, features an

inlet pipe, overflow system, and two submersible pumps with a combined average pumping capacity of 130 gallons per minute, discharging to existing bio-swales near the Rental Car Center.

Carollo's responsibilities included the structural design of the cast-in-place, 160-foot diameter circular tank, which incorporates 32 interior columns and a top deck engineered for traffic loading, as the cistern is located beneath a parking area. Additionally, Carollo designed a 20-by-20-foot masonry forcemain building adjacent to the cistern, housing valving, flowmeter, electrical panels, and a sodium hypochlorite chemical feed system. Carollo provided construction administration services for the project.

REFERENCE:

Brad Kirsch
1660 Hotel Circle N, Suite 400
San Diego, CA 92108
619-572-2711
bskirsch@sundt.com

TEAM INVOLVEMENT:

M. Aivazian, Project Manager
M. Huckaby, Project Engineer
T. Taylor, QA/QC
R. Bui, Civil Site and Pipelines
J. Doering, Structural Lead



This project was published in the January/February 2021 edition of AirportImprovements.com magazine. Scan the QR Code or click the image to the right to be directed to the website article.

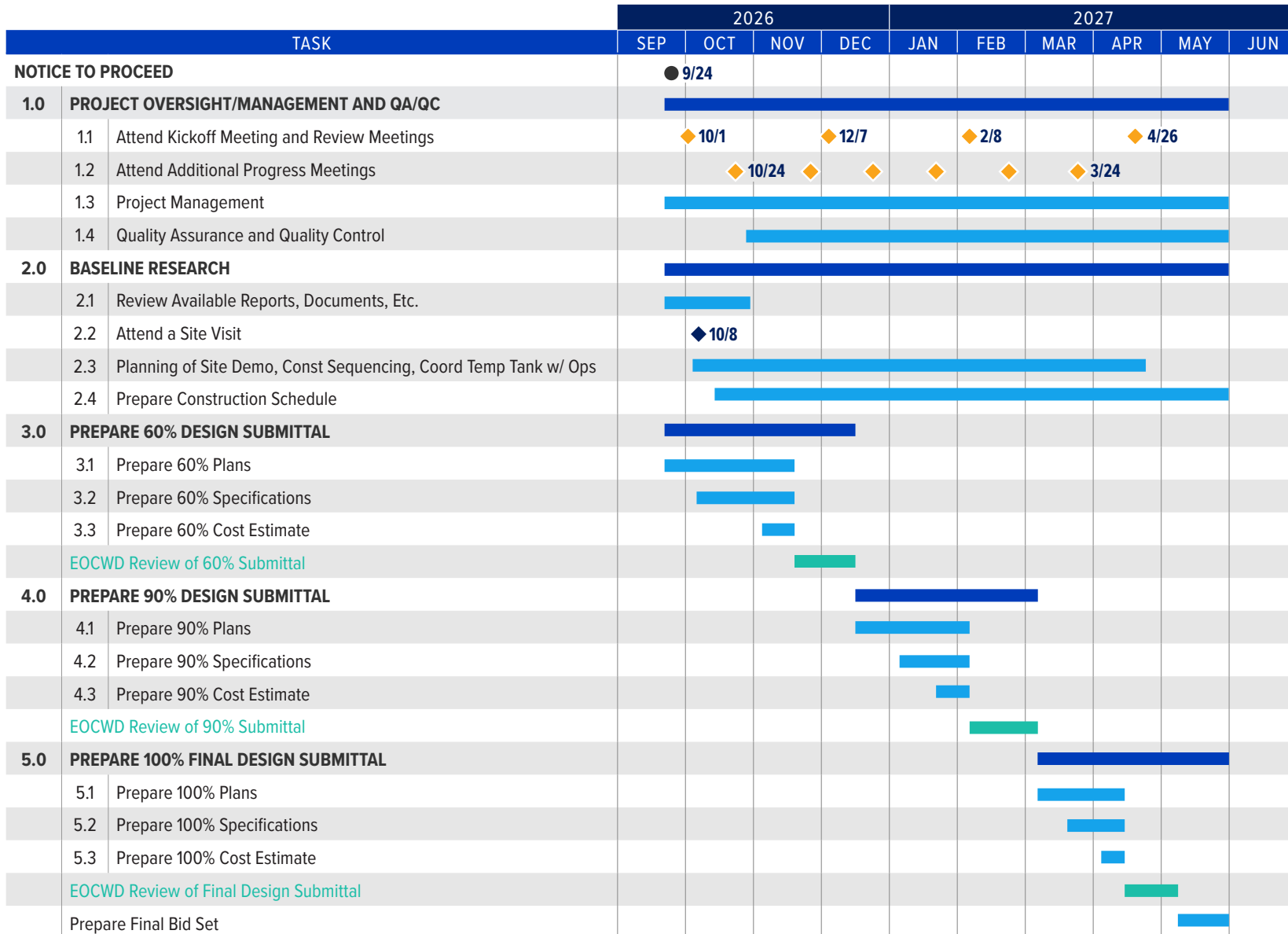
Appendix A

- Detailed Schedule
- References
- Additional Reference Projects
- Disclosure of Joint Venture and/
or Proposed Subcontract Arrangements
- Conflict of Interests
- Insurance
- Anticipated Drawings

Detailed Project Schedule

Our proposed project schedule for the Final Design of the Handy Creek Reservoir Replacement Project is presented below. Carollo will work with the District to formalize the project schedule, including delivery of key deliverables, presentations, and meetings upon notice to proceed.

- Notice to Proceed
- ◆ Meetings
- ◆ Site Visit
- Summary
- Task
- Submittal



References

Just Ask Our Clients!

We encourage you to contact these references to verify our responsiveness, technical expertise, and quality of service on similar projects. The table below provides reference information for clients with whom our team members have previously worked on directly relevant projects.

	Client/Agency	Contact	Project Name	Team Members
1	East Orange County Water District, CA	Bobby Young, Engineering Manager 714-538-5815 byoung@eocwd.com	Handy Creek Reservoir Replacement Preliminary Design	Miko Aivazian (Project Manager); Matthew Huckaby (Project Engineer); Graham Juby (Principal-in-Charge); Aedlina Pirijanyan (Hydraulic Modeling); James Doering (Structural Lead)
2	City of Riverside, CA	John Farley, Principal Engineer 951-826-5705 jfarley@riversideca.gov	16 MG Evans Reservoir Replacement Project 16 MG Linden Reservoir Rehabilitation Project	Miko Aivazian (Project Manager); Matthew Huckaby (Project Engineer); Raphael Bui (Civil Lead); Dale Snyder (CAD Lead)
3	City of Redlands, CA	Fernando Mata, Wastewater Utility Manager 909-841-3142 fmata@cityofredlands.org	WWTP Recycled Water Reservoir and Pump Station Project	Miko Aivazian (Project Manager); Graham Juby (Principal-in-Charge); Tim Taylor (Quality Manager); Raphael Bui (Civil Engineer Lead); Matthew Huckaby (Project Engineer); James Doering (Structural Lead); Dale Snyder (CAD Lead)
4	San Diego International Airport, CA	Brad Kirsch, Project Manager (Sundt) 619-572-2711 bskirsch@sundt.com	Cistern C and Force Main Building	Miko Aivazian (Project Manager); Matthew Huckaby (Project Engineer); Tim Taylor (Quality Manager); James Doering (Structural Lead); Dale Snyder (CAD Lead)
5	City of South Pasadena, CA	Anteneh Testaye, Water Operations Supervisor 626-441-4024 atesfaye@southpasadenaca.gov	Graves Reservoir Replacement and Wellhead Water Treatment Grand Reservoir Replacement Project	Miko Aivazian (Project Manager); Matthew Huckaby (Project Engineer); Raphael Bui (Civil Lead)

Additional Reference Projects

Sunset Reservoir Replacement Project – Preliminary Design Report

City of Pasadena, CA



The Sunset Reservoir site in Pasadena, located near Sunset Avenue and Mountain Street, is a city-owned property dedicated to municipal services.

The site features two reservoirs, SR1 and SR2, with storage capacities of

5.6 MG and 9.9 MG, respectively, totaling 15.4 MG.

Additional facilities include Sunset Well No. 20, Bangham Well, the Glorieta Booster Station with three 3,900 gpm booster pumps, a maintenance facility, a chlorine building, and a parking lot for city employees. Water is supplied to both reservoirs from the

“A-Basin,” where imported water from the Metropolitan Water District and groundwater from Pasadena Water and Power’s wells are blended. The reservoirs are hydraulically connected and designed to operate together at a high water elevation of about 945 feet above sea level.

Carollo evaluated four alternatives and recommended the best value option for replacement of SR1. Analysis of construction costs and construction duration for each alternative was used to determine the best value option. Carollo provided several conceptual drawings for the four proposed alternatives to be used for cost comparisons between these options. Carollo submitted a comprehensive detailed Preliminary Design Report to the City for review and approval.

REFERENCE:

Gary Cho
700 N. Alameda Street
Los Angeles, CA 90012
626-375-3340
gcho@mwdh2o.com

TEAM INVOLVEMENT:

M. Aivazian, Project Manager
M. Huckaby, Project Engineer
T. Taylor, QA/QC
R. Bui, Civil Site and Pipelines
J. Doering, Structural Lead
D. Snyder, CAD

Fulkerth Tank and Pump Station

City of Turlock, CA



Carollo designed a new 1 MG pre-stressed concrete water tank and booster pump station to provide emergency, operational, fire flow, and domestic water storage for the northwest portion of the City of Turlock’s distribution system. As part of the preliminary design, Carollo performed a

materials life-cycle cost analysis between a steel tank and a pre-stressed concrete tank and presented findings to the City. In our analysis, we provided the City with the pros and cons of both tank materials, as well as the capital and maintenance costs associated with each.

The project involved the design of a pump station and a 1 MG pre-stressed concrete reservoir. During design, performance-based specifications and drawings were prepared for AWWA D110 Type I and Type III pre-stressed concrete tanks to allow competitive bidding for construction of the tank. Challenges included configuration of the tank floor to allow efficient cleaning operations.

The booster pump station was designed with two duty split-case centrifugal pumps and one standby pump capable of pumping a total of 7.75 mgd to meet the City’s flow requirements. Off-site piping included tying into the existing distribution main and avoiding existing utilities in the area, including maintaining clearances between the sanitary sewer as required by California Department of Public Health (CDPH - Now the Division of Drinking Water [DDW]).

REFERENCE:

Steven Fremming
156 South Broadway, Suite 150
Turlock CA 95380
209-668-5417
sfremming@turlock.ca.us

TEAM INVOLVEMENT:

J. Doering, Structural
T. Taylor, QA/QC
M. Dadik, QA/QC

Disclosure of Joint Venture and/or Proposed Subcontract Arrangements

Partnership with a Purpose

We recognize that our individual team members are the critical element for successful project delivery. We have complemented our team with **two key subconsultants that bring the right mix of knowledge, experience, and broaden our bench of experts to hit the ground running.**



Converse Consultants
Geotechnical Engineering & Consulting
Environmental & Groundwater Science
Materials Testing & Inspection Services

Converse Consultants
Converse Consultants is

an employee-owned geotechnical and geological engineering corporation, has been a consistent presence on the annual ENR Top 500 Design Engineering Firms list. Since 1946, the firm has provided professional services in the fields of geotechnical engineering, engineering geology, groundwater sciences, environmental sciences and soils and materials testing and inspection.



ADS Engineering, Inc. ADS Engineering, Inc. has been in business since 2007 and has an engineering team

which includes members with more than 25 years of experience. ADS Engineering's core business is electrical, instrumentation and control engineering, design, analysis, construction management and programming services in various industries and specializing in water and wastewater industry. Services span electrical and instrumentation design, control application programming, power, telemetry, PLC/computer programming, and project management. ADS Engineering brings optimized solutions to the fields of water management, industrial process control, and process management.

Conflict of Interest

Neither our firm nor any of our employees or subconsultants involved on this project has any personal or organizational conflict of interest prohibited by law that would preclude working on this project. We are familiar with applicable conflict of interest laws and requirements and confirm that no such conflicts exist.

Insurance

Carollo maintains insurance to protect both our client and our firm against the types of claims that may be alleged to result from our services on this project. **Carollo carries the following insurance:**

Coverage	Limits	Carrier
General Liability	\$2,000,000 per occurrence \$4,000,000 aggregate	Zurich American Insurance Company
Workers' Compensation	Statutory	Zurich American Insurance Company
Employers Liability	\$1,000,000	Zurich American Insurance Company
Automobile	\$2,000,000 combined single limit	Zurich American Insurance Company
Professional Liability	In excess of \$5,000,000 each claim	Allied World Surplus Lines Insurance Company
Umbrella	In excess of \$5,000,000 per occurrence	American Guarantee & Liability Insurance Company

Current as of 07/07/2025

Insurance Broker for all insurance policies:

Lockton Companies / 444 W. 47th St., Ste. 900 / Kansas City, MO 64112-1906 / 816-960-9000

Anticipated Drawings

Sheet No.	Drawing Title	No. of Drawings
GENERAL		5
G-1	COVER SHEET, VICINITY, AND LOCATION MAP	1
G-2	DRAWING INDEX	1
G-3	LEGEND, SYMBOLS, AND ABBREVIATIONS	1
G-4	EXISTING SITE AND SUBSTRUCTURE PLAN, AND SURVEY CONTROL POINTS	1
G-5	OVERALL SITE PLAN	1
CIVIL		23
GC-1	GENERAL CIVIL NOTES, LEGEND, AND SYMBOLS	1
GC-2	STANDARD CIVIL DETAILS – 1	1
GC-3	STANDARD CIVIL DETAILS – 2	1
GC-4	STANDARD CIVIL DETAILS – 3	1
C-1	SITE DEMOLITION PLAN	1
C-2	SITE DEMOLITION PHOTOS	1
C-3	SITE PLAN	1
C-4	OVERALL HORIZONTAL CONTROL AND PAVING PLAN	1
C-5	OVERALL GRADING AND DRAINAGE PLAN	1
C-6	GRADING AND DRAINAGE PLAN - 1	1
C-7	GRADING AND DRAINAGE PLAN - 2	1
C-8	SITE SECTIONS - 1	1
C-9	SITE SECTIONS - 2	1
C-10	OVERALL YARD PIPING PLAN	1
C-11	YARD PIPING PLAN - 1	1
C-12	YARD PIPING PLAN - 2	1
C-13	YARD PIPING PROFILES - 1	1
C-14	YARD PIPING PROFILES - 2	1
C-15	RESERVOIR UNDERDRAIN PLAN AND DETAILS	1
C-16	SITE DETAILS - 1	1
C-17	SITE DETAILS - 2	1
C-18	CIVIL DETAILS – 1	1
C-19	CIVIL DETAILS - 2	1
STRUCTURAL		17
GS-1	GENERAL STRUCTURAL NOTES	1
GS-2	STANDARD STRUCTURAL DETAILS - 1	1
GS-3	STANDARD STRUCTURAL DETAILS - 2	1
GS-4	STANDARD STRUCTURAL DETAILS - 3	1
GS-5	STANDARD STRUCTURAL DETAILS - 4	1
GS-6	STANDARD STRUCTURAL DETAILS - 5	1
S-1	RESERVOIR FOUNDATION AND FLOOR PLAN	1

Anticipated Drawings

Sheet No.	Drawing Title	No. of Drawings
S-2	RESERVOIR ROOF PLAN	1
S-3	RESERVOIR SECTIONS	1
S-4	RESERVOIR TYPICAL WALL SECTION	1
S-5	TYPICAL RESERVOIR ROOF REINFORCEMENT SECTIONS	1
S-6	RESERVOIR DRAIN SUMP PLAN AND SECTIONS	1
S-7	RESERVOIR ACCESS STAIR PLAN AND SECTION	1
S-8	RESERVOIR OVERFLOW PLAN AND SECTIONS	1
S-9	RESERVOIR UNDERDRAIN PLAN AND SECTIONS	1
S-10	STRUCTURAL DETAILS – 1	1
S-11	STRUCTURAL DETAILS – 2	1
MECHANICAL		6
GM-1	MECHANICAL GENERAL NOTES	1
GM-2	STANDARD MECHANICAL DETAILS – 1	1
GM-3	STANDARD MECHANICAL DETAILS – 2	1
GM-4	TYPICAL PIPE SUPPORT DETAILS	1
M-1	CHEMICAL FEED PLAN, SECTION, AND DETAILS	1
M-2	MECHANICAL DETAILS-1	1
ELECTRICAL		7
GE-1	ELECTRICAL LEGEND	1
GE-2	ELECTRICAL GENERAL NOTES	1
E-1	ELECTRICAL SITE PLAN	1
E-2	RISER DIAGRAMS	1
E-3	ELECTRICAL DETAILS - 1	1
E-4	ELECTRICAL DETAILS - 2	1
E-5	ELECTRICAL DETAILS - 3	1
INSTRUMENTATION		6
GN-1	PROCESS AND INSTRUMENTATION LEGEND - 1	1
GN-2	PROCESS AND INSTRUMENTATION LEGEND - 2	1
N-1	BLOCK DIAGRAM	1
N-2	RESERVOIR P&ID	1
N-3	INSTRUMENTATION DETAILS - 1	1
N-4	INSTRUMENTATION DETAILS - 2	1
Total Number of Drawings		64

Appendix B

- Resumes



EDUCATION

BS Technology, University of Houston, 1984

MS Environmental Engineering, Loyola Marymount University, 1997

LICENSES

Civil Engineer, California, Nevada

OFFICE LOCATION

Los Angeles

Megerdich "Miko" Aivazian, PE

Miko Aivazian has more than 36 years of experience in marketing, planning, design, and construction of facilities for environmental, industrial, and commercial projects. He has been involved as a senior project/client manager and engineer for several water/wastewater projects for more than 24 years, including planning, study, design and construction management of pumping stations, reservoirs, pipelines, and water and wastewater treatment plants. He has managed the design and construction of many projects for major Southern California clients and has been involved on several design-build projects.

RELEVANT EXPERIENCE

> **Project manager for East Orange County Water District's Wholesale System 6.0 MG Reservoir Seismic Reconstruction Project.** This project started with extensive hydraulic modeling work to properly size the proposed reservoir. Five alternative reservoir options were evaluated include circular prestressed and rectangular cast-in-place concrete reservoirs. A preliminary design report was then prepared. The District then selected a single 3.0 MG circular prestressed concrete reservoir. After the reservoir size and type selection, 30% concept design plans were developed and submitted for District review and approval. This project was completed successfully within schedule and budget.

> **Project manager for the City of Pasadena, California, Replacement of the Sunset Reservoir preliminary design project.** The project involved the seismic/structural evaluation of a 5.6-MG elliptical-shaped reservoir with a hopper bottom and wood-framed roof originally constructed in 1888. Operational strategies, rehabilitation/retrofit, and replacement alternatives were considered. Findings and recommendations were presented in a report with conceptual level cost estimates.

> **Project manager for the City of Redlands, California, Recycled Water Reservoir Storage** to provide design of

a 2.7 MG prestressed recycled water reservoir and a new pump station to comply with Title 22 requirements allowing for extended use of the water. Project includes hydraulic analysis to determine necessary modifications and confirm reservoir sizing. In addition, Carollo is evaluating construction alternatives for the reservoirs and conducting water quality analysis to assess the need for additional disinfection to achieve desired residuals in the distribution system.

> **Project manager for the San Diego International Airport/Sundt Stormwater Design-Build Validation Phase for the San Diego International Airport (SDIA); California.** Carollo was hired by Sundt Construction, Inc. to provide design and engineering services during construction for the proposed stormwater storage tank known as Cistern "C". The Cistern C sizing was based on the Strategic Stormwater Master Plan (SSMP) recommendations – Capture and Reuse Project developed for the San Diego Airport Authority. As part of the project, Carollo validated the hydrology model with an 85-percent capture rate. The Cistern C was sized for 3.0 MG storage capacity and included an inlet pipe, overflow system and two submersible pumps with an average 130 gpm serving as the cistern outlet system. Carollo was also responsible for the structural design of the cistern that included a cast-in-place circular tank with a diameter of approximately 160

Megerdich "Miko" Aivazian, PE

feet. The cistern also included 32 interior columns and a top deck that was designed for traffic loading due to the cistern location under the existing parking area. Miko coordinated the sizing and design efforts during the schematic design, design development, construction documents phases with the DB team and the Airport Authority and is now working on the construction phase of this project.

> **Project manager, Graves Reservoir and Pump Station Replacement Project, San Marino, California, City of South Pasadena.** Constructed in the early 1900s, the existing reservoir is in need of replacement. The reservoir and associated facilities, except for the Well No. 2, are to be demolished and replaced with a new 1.2 MG cast-in-place concrete reservoir, sound-attenuated pump house, electrical room, chlorine room with onsite sodium hypochlorite generation system, wellhead treatment system, landscaping/irrigation, and site improvements. The pumping station utilizes two vertical turbine pumps with each pump having a rated capacity of 1,400 gpm. The new reservoir is a rectangular cast-in-place concrete, flat-bottom, partially buried reservoir and is 120-feet long by 120-feet wide with a water depth of 12-feet. Responsibilities included design management; preparation of a preliminary design report, a technical memorandum detailing a visual inspection of the reservoir and recommended improvements, a California Environmental Quality Act (CEQA) Initial Study and Mitigated Negative Declaration; and coordination with the Drinking Water State Revolving Fund (DWSRF) for state funding.

> **Project manager for the Evans Reservoir Replacement Project for the**

City of Riverside Public Utilities, California. This \$13- million project consisted of demolition of the existing 16 MG concrete reservoir and construction of a new partially buried poured-in-place concrete reservoir in its location. The new 16 MG concrete reservoir is approximately 460 feet long by 200 feet wide and 33 feet deep, and is considered the City's most critical storage facilities. This project also included installation of large diameter piping, valving, meter vault, drain vaults and other appurtenances associated with the proposed reservoir. Responsible for managing the overall project, providing engineering and construction management services during the two-year construction period, reviewing submittals, responding to contractors RFIs, managing and approving change orders, reviewing schedules/progress, and resolving day-to-day site activities associated with construction.

> **Project manager for the 55-MG Elysian Reservoir for the City of Los Angeles Department of Water and Power, California.** This project included design of a 55-million-gallon cast-in-place fully buried concrete reservoir within the footprint of the existing open basin reservoir. The design included a complete package for civil/structural and mechanical disciplines. The proposed reservoir was a hopper bottom type in order to reduce the perimeter wall heights and therefore reducing construction cost. The design also included site grading and drainage design. Miko worked closely with LADWP during the design phase and arranged two workshop meetings with LADWP staff in order to speed up the decision making process for several elements of the reservoir.



EDUCATION

BS Civil Engineering,
University of Louisiana,
Lafayette, 2005

LICENSES

Civil Engineer, California

OFFICE LOCATION

Los Angeles

Matthew B. Huckaby, PE

Matt Huckaby has an extensive background in structural and civil design for water and wastewater infrastructure, with particular emphasis on structural and seismic design, hydrologic and hydraulic design, site layout/horizontal control and storm water mitigation with a hands-on approach to preparation of design plans, specifications, calculations, reports, schedules and cost estimates. He has practiced as a senior project engineer and civil/structural task leader for multiple projects. His experience includes design of reservoirs (concrete and steel), pump stations, water and wastewater treatment plants, spreading basins and detention ponds, pipelines, channels and culverts, junction and diversion structures, manholes and catch basins, encompassing stormwater, wastewater, recycled water, and potable water.

RELEVANT EXPERIENCE

> **Project engineer for East Orange County Water District's Wholesale System 6.0 MG Reservoir Seismic Reconstruction Project.** This project started with extensive hydraulic modeling work to properly size the proposed reservoir. Five alternative reservoir options were evaluated include circular prestressed and rectangular cast-in-place concrete reservoirs. A preliminary design report was then prepared. The District then selected a single 3.0 MG circular prestressed concrete reservoir. After the reservoir size and type selection, 30% concept design plans were developed and submitted for District review and approval. This project was completed successfully within schedule and budget.

> **Project engineer for the City of Pasadena, California, Replacement of the Sunset Reservoir preliminary design project.** The project involved the seismic/structural evaluation of a 5.6-MG elliptical-shaped reservoir with a hopper bottom and wood-framed roof originally constructed in 1888. Operational strategies, rehabilitation/retrofit, and replacement alternatives were considered. Findings and recommendations were presented in a report with conceptual level cost estimates.

> **Project engineer for the Linden Reservoir Rehabilitation Project for the City of Riverside Public Utilities, California.** This \$5.4 million project consisted of preliminary engineering services to provide structural/seismic analysis of the existing tank structure and demolition of the existing 16 million gallon reservoir steel roof and replacing it with a new pre-manufactured aluminum roof system. The existing reservoir roof has an area of over 100,000 square feet. This project started with evaluation of eleven different roof options and finally selecting the aluminum roof system as the preferred option. The project was then moved into the final design phase. There were several other improvements that were required prior to installing the new roof system such as the demolition and removal of the existing roof system including interior concrete columns; the removal of four sections of the existing concrete perimeter walls in order to provide upgraded seismic load transfer connections for the new roof system; and improvements to existing reservoir interior including crack repair, joint sealant, piping modifications and improvements. The reservoir inlet/outlet and overflow were also upgraded as part of the improvements. The project was successfully completed within schedule and budget.

Matthew B. Huckaby, PE

> **Project engineer for the City of Redlands, California, Recycled Water Reservoir Storage** to provide design of a 2.7 MG prestressed recycled water reservoir and a new pump station to comply with Title 22 requirements allowing for extended use of the water. Project includes hydraulic analysis to determine necessary modifications and confirm reservoir sizing. In addition, Carollo is evaluating construction alternatives for the reservoirs and conducting water quality analysis to assess need for additional disinfection to achieve desired residuals in the distribution system.

> **Project engineer for the San Diego International Airport/Sundt Stormwater Design-Build Validation Phase for the San Diego International Airport (SDIA); California.** Carollo was hired by Sundt Construction, Inc. to provide design and engineering services during construction for the proposed stormwater storage tank known as Cistern "C". The Cistern C sizing was based on the Strategic Stormwater Master Plan (SSMP) recommendations – Capture and Reuse Project developed for the San Diego Airport Authority. As part of the project, Carollo validate the hydrology model with an 85% capture rate. The Cistern C was sized for 3.0 MG storage capacity and included an inlet pipe, overflow system and two submersible pumps with an average 130 gpm serving as the cistern outlet system. Carollo was also responsible for the structural design of the cistern that included a cast-in-place circular tank with a diameter of approximately 160-feet. The cistern also included 32 interior columns and a top deck that was designed for traffic loading due to the cistern location under the existing parking area.

> **Supervising project engineer, Graves Reservoir and Pump Station Replacement Project, San Marino, California, City of South Pasadena.** Constructed in the early 1900s, the existing reservoir is in need of replacement. The reservoir and associated facilities, except for the Well No. 2, are to be demolished and replaced with a new 1.2 MG cast-in-place concrete reservoir, sound-attenuated pump house, electrical room, chlorine room with onsite sodium hypochlorite generation system, wellhead treatment system, landscaping/irrigation, and site improvements. The pumping station utilizes two vertical turbine pumps with each pump having a rated capacity of 1,400 gpm. The new reservoir is a rectangular cast-in-place concrete, flat-bottom, partially buried reservoir and is 120-feet long by 120-feet wide with a water depth of 12-feet. Responsibilities included design management; preparation of a preliminary design report, a technical memorandum detailing a visual inspection of the reservoir and recommended improvements, a California Environmental Quality Act (CEQA) Initial Study and Mitigated Negative Declaration; and coordination with the Drinking Water State Revolving Fund (DWSRF) for state funding.



EDUCATION

PhD Engineering,
University of Pretoria,
South Africa, 1995

BS Eng Hons Water
Utilization Engineering,
University of Pretoria,
South Africa, 1992

BS Hons Biomedical
Engineering, University of
Cape Town, South Africa,
1985

BS Chemical Engineering,
University of Cape Town,
South Africa, 1982

LICENSES

Civil Engineer, California

Professional Engineer,
Texas, South Africa

PROFESSIONAL AFFILIATIONS

American Society of Civil
Engineers

American Water Works
Association

International Water
Association

South African Institute of
Chemical Engineers

Water Environment
Federation

Water Institute of
Southern Africa (Fellow)

OFFICE LOCATION

Orange County

Graham J.G. Juby, PhD, PE

Dr. Graham Juby, a vice president with Carollo Engineers, has 42 years of experience in planning, testing, and process design for water and wastewater treatment facilities, with an emphasis on providing cost-effective solutions for water and wastewater challenges facing cities and municipal agencies. He has focused on advanced treatment processes such as low- and high-pressure membrane systems (microfiltration and reverse osmosis), nutrient removal, and the application of ozone, granular activated carbon (GAC), biological filtration, ion exchange, and ultraviolet (UV). His background in these technologies includes both pilot plant and full-scale design experience. His experience also includes many planning projects. He has also been involved with several fast-track and alternative delivery projects.

RELEVANT EXPERIENCE

> **Principal-in-charge for East Orange County Water District's Wholesale System 6.0 MG Reservoir Seismic Reconstruction Project, Preliminary Design.** This project started with extensive hydraulic modeling work to properly size the proposed reservoir. Five alternative reservoir options were evaluated including circular prestressed and rectangular cast-in-place concrete reservoirs. A preliminary design report was prepared based on a selected single 3.0 MG circular prestressed concrete reservoir. 30% preliminary design plans were developed and submitted for District review and approval. This project was completed successfully within schedule and budget.

> **Principal-in-charge for the City of Redlands, California, Recycled Water Reservoir Storage to provide design of a 2.7 MG prestressed recycled water reservoir and a new pump station to comply with Title 22 requirements allowing for extended use of the water.** Project includes hydraulic analysis to determine necessary modifications and confirm reservoir sizing. In addition, Carollo is evaluating construction alternatives for the reservoirs and conducting water quality analysis to assess need for additional disinfection to achieve desired residuals in the distribution system.

> **Project manager for the 2019 Water System Master Plans for East Orange County Water District, California.** The master planning effort included a 20-year outlook for both the wholesale and retail zones for the District. The project also included the preliminary design of a new replacement water treatment plant for the District, and a condition assessment of two existing reservoirs.

> **Project manager for the Structural Evaluation of Peters Canyon Reservoir for East Orange County Water District in Orange, California.** The project involved the structural evaluation of a 6.0-MG, rectangular hopper-bottom cast-in-place concrete reservoir with a wood-framed roof that was originally constructed circa 1963. Operational strategies, rehabilitation, and replacement alternatives were considered. Construction drawings were then prepared to address roof framing vulnerabilities and corrosion.

> **Project manager for the 2016 Peters Canyon Water Treatment Plant (PCWTP) Feasibility Project for East Orange County Water District, California.** The project evaluated the technical and financial feasibility of constructing a new PCWTP to treat a blend of Lake Mathews water (which can be a blend of Colorado River Water and State Water Project water) and water off the Baker Pipeline. Nine treatment trains

AWARDS

WEF Fellow, Water Environment Federation, 2025

Graham J.G. Juby, PhD, PE

were evaluated including both MF/UF membrane treatment, and ozone followed by direct filtration. Multiple selection criteria were identified, and weighting factors were developed using the paired-wise selection approach and used to select the preferred treatment approach. The conceptual design of a new 6 mgd treatment facility was developed together with capital and O&M costs that were used for the financial analysis.

> **Principal-in-Charge for the Reservoirs Assessment Project for the City of Redlands, California.** The project involved the visual assessment and structural evaluation of four of the City's largest buried and partially buried concrete reservoirs. Finite element analysis was used to help determine the cause of significant concrete spalling and cracking of the roof structure, which was attributed to thermal expansion and contraction.

> **Principal-in-charge for a reservoir rehabilitation project for the City of Torrance, California.** The project involves hydraulic analysis of the distribution system, design of a reservoir mixing manifold, and structural rehabilitation recommendations for 10-MG and 18-MG reservoirs. A focus of the project is prevention of nitrification in the reservoirs and distribution system.

> **Principal-in-charge for the 2014 and 2024 Water System Master Plans for Mesa Water District, California.** This assignment involves demand projections, water supply analysis, hydraulic model update and calibration, extensive field condition assessment, and development of an optimization model. As part of the field condition assessment, all water system facilities (8 groundwater wells, 1 treatment plant, 2 reservoirs, 2 booster stations, and imported water

connections) were visited. In addition, 2 miles of non-destructive pipeline testing was done. The findings of the modeling and condition assessment analysis were combined into a comprehensive CIP and water master plan report.

> **Principal-in-charge for the system-wide IDSE evaluation study for the City of Redlands, California.** The project involved developing a final plan for the Initial Distribution System Evaluation (IDSE) for Compliance with the Stage 2 Disinfectants and Disinfection By-Products Rule (Stage 2 D/DBP). The City obtains its water from the Santa Ana River, Mill Creek, and groundwater. When required, California State Water Project can also be used, and is treated at either one of the plants. The entry points to the distribution system for both plants are not immediately next the plant, but further away: the main entry point for Hinckley plant is Highland Reservoir, whereas the main entry point for Tate plant is Country Club Reservoir. Sites representing high concentrations of DBPs were selected by considering (a) configuration of the distribution system, (b) different pressure zones, (c) the possibility of using an existing TCR compliance monitoring site, (d) 2001 through 2006 data obtained from additional DBP sampling effort, (e) disinfectant residual data collected at the TCR compliance sampling locations during 2005 and 2006, and (f) distribution system HPC data for 2005 and 2006.



EDUCATION

MS Civil and Environmental Engineering, San Jose State University, 1994

BS Civil and Environmental Engineering, California Polytechnic State University, San Luis Obispo, 1986

LICENSES

Civil Engineer, California, Idaho, Nevada

Professional Engineer, Oregon, Washington, Hawaii, Arizona

PROFESSIONAL AFFILIATIONS

Water Environment Federation

Water Environment Federation Collection Systems Committee (Previous Member)

California Water Environment Association, Sierra Section, Board of Directors (2008 President)

Truckee Donner Public Utility District Board of Directors (2007 and 2008 President)

OFFICE LOCATION

Sacramento

Tim F. Taylor, PE

Tim Taylor, Carollo's Director of Infrastructure Practice, has served as project manager for numerous water and wastewater infrastructure and treatment projects. With 39 years of experience in engineering design, construction, and project management for water distribution systems, gravity sewer collection systems, pump stations, water and wastewater treatment facilities, geographic information system (GIS), and modeling projects, Tim is proficient in all aspects of management, technical engineering, modeling, GIS, and design software. He has designed pipelines ranging from 12 inches up to 148 inches in diameter, as well as pump stations ranging in capacity from a few hundred gpm up to over 100 mgd.

RELEVANT EXPERIENCE

> QA/QC for the City of Pasadena, California, Replacement of the Sunset Reservoir preliminary design project.

The project involved the seismic/structural evaluation of a 5.6-MG elliptical-shaped reservoir with a hopper bottom and wood-framed roof originally constructed in 1888. Operational strategies, rehabilitation/retrofit, and replacement alternatives were considered. Findings and recommendations were presented in a report with conceptual level cost estimates.

> QA/QC for the City of Redlands, California, Recycled Water Reservoir Storage to provide design of a 2.7 MG prestressed recycled water reservoir and a new pump station to comply with Title 22 requirements allowing for extended use of the water. Project includes hydraulic analysis to determine necessary modifications and confirm reservoir sizing. In addition, Carollo is evaluating construction alternatives for the reservoirs and conducting water quality analysis to assess need for additional disinfection to achieve desired residuals in the distribution system.

> QA/QC for the San Diego International Airport/Sundt Stormwater Design-Build Validation Phase for the San Diego International Airport (SDIA); California. Carollo was hired by Sundt Construction, Inc. to

provide design and engineering services during construction for the proposed stormwater storage tank known as Cistern "C". The Cistern C sizing was based on the Strategic Stormwater Master Plan (SSMP) recommendations – Capture and Reuse Project developed for the San Diego Airport Authority. As part of the project, Carollo validate the hydrology model with an 85% capture rate. The Cistern C was sized for 3.0 MG storage capacity and included an inlet pipe, overflow system and two submersible pumps with an average 130 gpm serving as the cistern outlet system. Carollo was also responsible for the structural design of the cistern that included a cast-in-place circular tank with a diameter of approximately 160-feet. The cistern also included 32 interior columns and a top deck that was designed for traffic loading due to the cistern location under the existing parking area.

> QA/QC for the City of Turlock, California, Surface Water Distribution System Improvements. The project included preliminary and final design of a 2.5-MG reservoir, 14-mgd booster pump station, hydraulic modeling, distribution system improvements, overall program management services, and equipment pre-purchase. The purpose of the project is to incorporate 10 mgd (initial) and 30 mgd (ultimate) of a new surface water supply from the Stanislaus Regional Water Authority into

AWARDS

Special District Leadership and Management, Special District and Local Government Institute, 2007

OTHER ACCOMPLISHMENTS

Management Action Program, California Truckee North Tahoe Leadership Training Course, Truckee/North Tahoe Area

OPEN FOR QUOTE

Tim F. Taylor, PE

the City's potable water distribution system.

> **Quality manager for the City of Redlands, California, Tate Water Treatment Plant Raw Water Influent Line.** Project includes planning and design for replacement of the existing transmission line at the WTP to provide water supply reliability. Team is evaluating three alternative alignments with considerations for potential permitting impacts and local land owners whose property the line passes through.

> **Technical advisor for the City of Yuba City, California, Sanborn Reservoir and Pump Station.** The project involved design of a new 3.5-MG potable water reservoir and 12-mgd pump station to support an area of the City's water system that was converted to a surface water supply from the City's existing water treatment plant to eliminate the use of groundwater wells. A new 30-inch pipeline was routed from the plant to the reservoir and pump station. The 3.5-MG welded steel reservoir was designed with new flexibility requirements for all piping connections, in accordance with the 2007 California Building Code requirements. Carollo's design provided the needed connection flexibility within the smallest footprint possible.

> **Technical advisor for the City of Turlock, California, T-SW and T-SE Water Reservoirs and Pump Stations.** The project involved design of two new 1.0-MG water tanks and two 7.7-mgd pump stations to enhance system capacity and reliability in meeting fire flow demands and peak hour flows.

> **Technical advisor for the City of Auburn, Washington, Academy and Lakeland Hills Booster Pump Stations.** The project included two new booster

pump stations to meet maximum day and fire flow demands for two of the City's service areas. An extensive preliminary design and alternatives analysis was performed to select the site for each facility and size the pump stations. The Academy pump station includes a 500-gpm domestic pump and a 1,500-gpm fire pump, and the Lakeland pump station includes an 800-gpm domestic pump and a 3,125-gpm fire pump.

> **Technical reviewer for the City of West Sacramento, California, Bridge District Water Storage Facility.** The project involved design of a dual-purpose water storage facility and neighborhood park to provide essential infrastructure for the Ironworks development, future development within the Bridge District, and the north part of the City. The storage tank and booster pump station are required for emergency, operational, fire flow, and domestic potable water storage for the new Bridge District development. The Bridge District Water Storage Facility includes a 3.1-MG steel storage tank and a pump station with a firm capacity of 3,000 gpm (4.32 mgd).

> **Project manager for the Monterey County Resource Management Agency, California, San Jerardo Cooperative Water System Improvements.** The project involved design of a 120-gpm domestic water booster pump station; 475-foot deep, 250-gpm groundwater well; 1,500-gpm diesel engine driven fire pump station; approximately 12,000 feet of 6-inch-diameter water transmission main; and 285,000-gallon storage reservoir. Tasks included coordination of multiple county agencies and subconsultants, as well as technical support to facilitate permits, easements, environmental clearance, and land acquisition.



EDUCATION

BS Civil Engineering,
Arizona State University,
1996

LICENSES

Civil Engineer, California

Structural Engineer,
California, Nevada,
Hawaii, New Mexico

Civil/Structural Engineer,
Washington, Oregon

Professional Engineer,
New York, British
Columbia

PROFESSIONAL AFFILIATIONS

American Society of Civil
Engineers

Chi Epsilon (National Civil
Engineering Honor
Society)

Engineers Without
Borders, Technical
Advisory Committee

Structural Engineers
Association of Northern
California

Tau Beta Pi (National
Engineering Honor
Society)

NACE International
Society for Protective
Coatings, Northern
California Chapter
Steering Committee
Governor's Office of
Emergency Services,
ATC-20 Trained
Responder

OFFICE LOCATION

Walnut Creek

Michael E. Dadik, PE, SE, P.Eng.

Mike Dadik, a principal structural engineer and vice president with Carollo, has 34 years of experience in structural design of water, wastewater, transportation, and civil engineering projects. Since joining Carollo, he has overseen the structural design of numerous projects ranging from water and wastewater treatment plant construction and expansion to pump station seismic retrofits. Mike has extensive experience in rehabilitation and seismic vulnerability assessments. He also has extensive experience in coating and corrosion control and is Carollo's coating specialist responsible for maintenance of our coatings and finishes specifications.

RELEVANT EXPERIENCE

> **Technical reviewer for the City of Turlock, California, Surface Water Distribution System Improvements, which integrates the surface water into the existing potable water distribution system.** The project includes approximately 9,000 feet of 24- to 42-inch-diameter transmission main, 2.3-MG storage reservoir, 14.3-mgd (expandable to 35 mgd) booster pump station, and associated SCADA and other ancillary facilities. Carollo is providing all mechanical and EI&C design for the project. Project elements will be primarily constructed in a developed urban area. Public outreach, aesthetics of aboveground elements, utility coordination, and traffic control during construction are all key project considerations.

> **Technical advisor for Shea Homes/Western Summit Constructors' Mountain House, California, Tank Design.** The project involved a new 6.2-MG steel tank and conversion of a 4-MG tank to finished water service.

> **Project manager for Mountain House Developers Water Treatment Plant Raw Water Storage Tank Conversion.** Carollo prepared a site planning study for buildout of the Mountain House Water Treatment Plant site. Services included planning for additional finished water storage. Carollo evaluated the feasibility of adding a new 6.2-MG steel water tank

and conversion of an existing raw water tank to potable use to meet growing demands for emergency, operational, and fire flow demands. Carollo was then retained to convert the existing 4.0-MG raw water storage tank into a potable water reservoir that could be operated in series or in parallel with the previously constructed 4.0-MG potable water storage tank. This work included added a roof to the converted tank, strengthening the tank's lower shell plate, and improvements to meet CDPH requirements.

> **Project manager for Alameda County Water District, California, Vineyard Heights Tank Seismic Upgrade.** Following evaluation of retrofit and replacement alternatives, a retrofit was selected for this 0.5-MG steel tank. Construction involved replacing the tank lower shell course and anchoring the tank to a new foundation. The tank is the only water storage in the pressure zone requiring temporary backup power and pumping to maintain reliable service. The aggressive schedule of this \$1 million project was 12 months from preliminary design notice to proceed to end of construction.

> **Project manager for Alameda County Water District, California, Appian Tank Upgrade.** Project elements include replacement of the steel 0.75-MG steel tank and 3500 feet of transmission pipeline, and access road

Michael E. Dadik, PE, SE, P.Eng.

upgrades traversing upland grass habitat. The tank is the only water storage in the pressure zone requiring temporary backup power and pumping to maintain reliable service.

> **Structural engineer for design of a seismic retrofit of the Mallard Reservoir inlet/outlet tower as part of the Raw Water Seismic Improvements for the Contra Costa Water District, Concord, California.** This project involved substantial modifications to the 75-year-old inlet/outlet tower located in the reservoir.

> **Structural engineer for the seismic retrofit of the Contra Costa Water District, California, Treatment Water Facilities Improvement Program.** Work included condition assessment and seismic evaluation of a buried concrete reservoir, an above-ground steel reservoir, two pump stations, and associated electric and equipment buildings. Following the seismic evaluation, recommendations were made for retrofit strategies satisfying the client's budget and performance goals.

> **Structural engineer for the City of West Sacramento, California, Bridge District Pump Station, Reservoir, and Park.** Work included design of a 3-MG water storage tank, 3,000-gpm booster pump station and a municipal park to serve the new Bridge District development. This required coordinating aesthetic treatment of the tank and pump station to compliment the neighboring subdivision.

> **Structural engineer for the Contra Costa Water District, California, Treated Water Facilities Improvements.** Work included seismic evaluation of the Lime Ridge Reservoir, a 4-MG buried cast-in-place concrete reservoir.

> **Structural engineer for the Contra Costa Water District, California, Raw Water Improvements.** Work included seismic evaluation and recommendations, cathodic protection system upgrade, and construction documents for the District's Elderwood Reservoir, a 1.7-MG welded steel reservoir.

> **Structural engineer for the Contra Costa Water District, California, Raw Water Seismic Improvements.** Work involved extensive modifications to the Mallard Reservoir inlet/outlet structure, a new reservoir drain energy dissipater, and Contra Costa Canal turnout structure modifications.

> **Structural engineer for the Sacramento Regional County Sanitation District, California, EchoWater Project Flow Equalization Project (FEQ).** FEQ will provide an additional 110 MG of storage capacity for the facility. Additional features include roller-compacted concrete lined basins, spillways and interconnections structures, 84-inch diameter final effluent distribution pipeline, underdrain pump station, and basin washdown system. The washdown system consists of manual and automated water cannons for efficient washdown of the over 60 acres of basin area.

> **Structural engineer for the California Department of Corrections and Rehabilitation California Men's Colony Water Distribution System Replacement.** This project included design for replacement of more than 112,000 feet of distribution piping, eight pipe bridges ranging from 65 feet to 214 feet long, two booster pump stations, and reservoir modifications. Responsible for development of structural plans, specifications, and cost estimating.



EDUCATION

MS Civil Engineering,
University of California,
Berkeley, 1994

BS Civil Engineering,
University of California,
Irvine, 1993

LICENSES

Structural Engineer,
California, Hawaii,
Georgia, Oregon

Civil Engineer, California

Professional Engineer,
Utah, Colorado,
Pennsylvania, Tennessee,
South Dakota

Civil/Structural Engineer,
Washington

PROFESSIONAL AFFILIATIONS

American Concrete
Institute

American Institute of
Steel Construction

OFFICE LOCATION

Orange County

James A. Doering, PE, SE

James Doering, a registered structural and civil engineer, is Carollo's structural lead engineer in Southern California. He manages structural design and evaluations for large and small projects. He has over 31 years of experience in structural analysis, design, seismic retrofit, rehabilitation, review, and assessment for a variety of structures, such as wastewater and water treatment facilities, pump stations, reservoirs, tanks, clarifiers, large pipe supports, retaining walls, operations and maintenance facilities, office buildings, parking structures, post tensioned concrete structures, retail shopping centers, and warehouses.

RELEVANT EXPERIENCE

> **Structural lead for East Orange County Water District's Wholesale System 6.0 MG Reservoir Seismic Reconstruction Project.** This project started with extensive hydraulic modeling work to properly size the proposed reservoir. Five alternative reservoir options were evaluated include circular prestressed and rectangular cast-in-place concrete reservoirs. A preliminary design report was then prepared. The District then selected a single 3.0 MG circular prestressed concrete reservoir. After the reservoir size and type selection, 30% concept design plans were developed and submitted for District review and approval.

> **Structural engineer for the Seismic Evaluation of Sunset Reservoir No. 1 for Pasadena Water and Power, California.** The project involved the seismic/structural evaluation of a 5.6 million gallon, elliptical-shaped reservoir with a hopper bottom and wood-framed roof originally constructed in 1888. Operational strategies, retrofit, and replacement alternatives, including circular prestressed and conventional rectangular concrete reservoirs were considered. Findings and recommendations were presented in a report with conceptual level cost estimates.

> **Structural engineer for the City of Redlands, WWTP Recycled Water**

Reservoir Project. The project involved the preliminary and final design of (2) 2.75 MG recycled water reservoirs. The reservoirs were designed to be 125-ft diameter x 45-ft tall prestressed concrete tanks, partially buried with concrete domes.

> **Structural engineer for the 3.1-million-gallon stormwater tank (Cistern C) at the San Diego International Airport (Lindbergh Field).** The design-build project included a circular, buried, cast-in-place concrete tank supported on auger-cast piles with secant pile shoring. Special attention was given to coordinating dewatering with construction progress to prevent buoyant uplift damage due to high groundwater levels. The tank foundation was designed using auger-cast piles.

> **Structural engineer for the Structural Evaluation of Peters Canyon Reservoir for East Orange County Water District in Orange, California.** The project involved the structural evaluation of a 6.0-MG, rectangular hopper-bottom cast-in-place concrete reservoir with a wood-framed roof that was originally constructed in 1963. Operational strategies, rehabilitation, and replacement alternatives were considered. Construction drawings were then prepared to address roof framing vulnerabilities and corrosion.

> **Structural engineer for the City of Vallejo, Skyline Reservoir Replacement Project.** This project involved the

James A. Doering, PE, SE

"Without a doubt James Doering added a tremendous value to the Carollo team and was absolutely a contributing factor to the overall success of these critical projects at the EWPCF."

*- James Kearns,
Capital Projects
Manager, Encina
Wastewater
Authority, referring to
the EWPCF Influent
Junction Structure
Rehab and Ocean
Outfall-Landfall
Inspection projects*

preliminary and final design of a 6.0 MG potable water reservoir. The reservoir was designed to be a 172-ft diameter x 45-ft tall prestressed concrete tank, partially buried with a flat concrete roof.

> **Lead structural engineer for the City of San Diego Point Loma Reservoir Seismic Evaluation.** This study evaluated the adequacy of the existing roof framing system for the Point Loma Reservoir, a rectangular 10 MG hopper-bottom reservoir originally built in 1942. The study presented findings, mitigation alternatives, and provided a feasibility analysis of previously planned structural modifications to the reservoir.

> **Structural engineer for the City of Tulare, California, J Street and Alpine Vista Water Storage Tank Improvements.** The project involved planning, preliminary and final design, and engineering services during construction of two 2.0-MG circular prestressed concrete potable water storage tanks and two wells. The storage tanks are designed to supply the flow needed between the peak day and peak hour demand to mitigate low pressure issues.

> **Structural engineer for the Structural Evaluation of Smith Reservoir for Serrano Water District in Villa Park, California.** The project involved the seismic/structural evaluation of a 6.0-MG, rectangular cast-in-place concrete reservoir that was originally constructed in 1970. Operational strategies, rehabilitation, and replacement alternatives were considered. Findings and recommendations were presented in a report with conceptual level cost estimates.

> **Structural engineer for the Fulkerth Tank and Pump Station Project for the City of Turlock, California.** The project

involved the design of a pump station and a 1-million-gallon circular prestressed concrete reservoir. Performance specifications and drawings were prepared for AWWA D110 Type I and Type III prestressed concrete tanks to introduce competition for construction of the tank. Challenges included configuration of the floor and drainage to allow efficient cleaning operations.

> **Structural engineer for the Industrial Tank 13 Project for the City of Modesto, California.** The project involved the design of a pump station and a 4.0-MG circular prestressed concrete reservoir with a flat roof. Performance specifications and drawings were prepared for AWWA D110 Type I and Type III prestressed concrete tanks.

> **Structural engineer for the Reservoirs Assessment Project for the City of Redlands, California.** The project involved the visual assessment and structural evaluation of four of the City's largest buried and partially buried concrete reservoirs. Finite element analysis was used to help determine the cause of significant concrete spalling and cracking of the roof structure, which was attributed to thermal expansion and contraction.

> **Structural engineer for the 2015 Seismic and Structural Upgrade Project, City of Martinez, California.** Tasks included performance of an ASCE 41-13, Tier 1 and Tier 2 seismic evaluations for the two filter control buildings, and an ACI 350 evaluation of the finished water reservoir and backwash tank. A seismic retrofit package was prepared for construction that included addition of shear walls to one of the control buildings and backfill reduction at the tanks.



EDUCATION

BS Civil Engineering,
California State
Polytechnic University,
Pomona, 1994

LICENSES

Professional Engineer,
California, Florida

OFFICE LOCATION

Orange County

Raphael V. Bui, PE

Raphael Bui has more than 30 years of experience in civil detail design of pipelines, utilities, storm drainage, stormwater mitigations, open water flow channels, water diversion facilities, wells, wetlands, percolation ponds, water reclamation plants, pump stations, geometric roadways, reservoirs, and water and wastewater treatment plants projects with particular emphasis on site layout design, grading plans, horizontal control plans, and yard piping plans and mechanical piping. He is also experienced with hydrology, hydraulic, and subdivision designs that include public street improvements. In addition to his strong design background, Raphael has performed as Field Project Engineer and Resident Engineer in construction management services at water and wastewater treatment facilities for two years.

RELEVANT EXPERIENCE

> **Civil engineer for the Seismic Evaluation of the Pasadena Water and Power, California, Sunset Reservoir No. 1.**

The project involved the seismic/structural evaluation of a 5.6-MG elliptical-shaped reservoir with a hopper bottom and wood-framed roof originally constructed in 1888.

Operational strategies, rehabilitation/retrofit, and replacement alternatives were considered. Findings and recommendations were presented in a report with conceptual level cost estimates.

> **Civil engineer for the Linden Reservoir Rehabilitation Project for the City of Riverside Public Utilities, California.** This \$5.4 million project consisted of preliminary engineering services to provide structural/seismic analysis of the existing tank structure and demolition of the existing 16 million gallon reservoir steel roof and replacing it with a new pre-manufactured aluminum roof system. The existing reservoir roof has an area of over 100,000 square feet. This project started with evaluation of eleven different roof options and finally selecting the aluminum roof system as the preferred option. The project was then moved into the final design phase. There were several other improvements that were required prior to installing the new roof system such as the demolition and

removal of the existing roof system including interior concrete columns; the removal of four sections of the existing concrete perimeter walls in order to provide upgraded seismic load transfer connections for the new roof system; and improvements to existing reservoir interior including crack repair, joint sealant, piping modifications and improvements. The reservoir inlet/outlet and overflow were also upgraded as part of the improvements. The project was successfully completed within schedule and budget.

> **Civil engineer for the City of Redlands, California, Recycled Water Reservoir Storage** to provide design of a 2.7 MG prestressed recycled water reservoir and a new pump station to comply with Title 22 requirements allowing for extended use of the water. Project includes hydraulic analysis to determine necessary modifications and confirm reservoir sizing. In addition, Carollo is evaluating construction alternatives for the reservoirs and conducting water quality analysis to assess need for additional disinfection to achieve desired residuals in the distribution system.

> **Civil engineer for the San Diego International Airport/Sundt Stormwater Design-Build Validation Phase for the San Diego International Airport (SDIA); California.** Carollo was

Raphael V. Bui, PE

hired by Sundt Construction, Inc. to provide design and engineering services during construction for the proposed stormwater storage tank known as Cistern "C". The Cistern C sizing was based on the Strategic Stormwater Master Plan (SSMP) recommendations – Capture and Reuse Project developed for the San Diego Airport Authority. As part of the project, Carollo validate the hydrology model with an 85% capture rate. The Cistern C was sized for 3.0 MG storage capacity and included an inlet pipe, overflow system and two submersible pumps with an average 130 gpm serving as the cistern outlet system. Carollo was also responsible for the structural design of the cistern that included a cast-in-place circular tank with a diameter of approximately 160-feet. The cistern also included 32 interior columns and a top deck that was designed for traffic loading due to the cistern location under the existing parking area.

> **Senior project engineer for the City of South Pasadena, California, Graves Reservoir Replacement.** This project included replacement of the existing 1.0-MG reservoir and associated facilities, except for the onsite groundwater Well No. 2, with a new 1.2-MG cast-in-place concrete reservoir, sound-attenuated pump house, electrical room, onsite sodium hypochlorite generation room, wellhead treatment system, landscaping/irrigation, and site improvements. The project also included coordination with the Drinking Water State Revolving Fund (DWSRF) for state funding and CEQA-Plus Initial Study and Mitigated Negative Declaration. Raphael's responsibility included being the civil design lead and main coordinator for mechanical and structural disciplines.

> **Civil lead for the Diamond Regional Sewer Lift Station (DRSLS) and Dual Force Mains for the Elsinore Valley Municipal Water District, California.** Project includes preliminary and final design for the new DRSLS which will be constructed in three phases. The lift station structure will be constructed for the maximum 19.9-mgd peak hourly wet weather flow (PHWWF) required for Phase 3. A dual force main system of 2- to 24-inch diameter pipeline will be constructed from the new DRSLS to an existing diversion structure located north of the intersection of Lakeshore Drive and Elm Street for conveyance to EVMWD's Regional Water Reclamation Facility via the existing 54-inch diameter Lakeshore Trunk Sewer.

> **Civil engineer for the Westward Ho Sewer Crossing Replacement for the Valley Sanitary District, California.** Project includes engineering services for the preliminary design, final design, permitting assistance, bid phase, and engineering services during construction of this replacement sewer project. Carollo's Preliminary Design Report evaluated two trenchless installation methods (HDD or microtunneling). As part of the evaluation, Carollo developed siphon hydraulic design criteria for Option 1 and lift station design criteria for Option 2. Geotechnical information on the subsurface conditions for trenchless methods of construction were reviewed. Carollo also completed a scour analysis for a better understanding of the minimum depth required for the pipeline to be safe from future scour. Carollo recommended the most feasible method for the project and recently completed the final design phase of the project.



EDUCATION

BS Mechanical Engineering, Northern Arizona University, 1983

LICENSES

Mechanical Engineer, Arizona

Professional Engineer, Texas

PROFESSIONAL AFFILIATIONS

American Society of Mechanical Engineers

OFFICE LOCATION

Phoenix

S. Kirk Gardiner, PE

Kirk Gardiner has over 43 years of experience in mechanical engineering design, plant operations and maintenance work, specification development, equipment acquisition, contract administration, and construction management. Kirk's specialty is in designing plant improvements and his experience working in the field, coupled with his understanding of operator issues, translates into a team member with the knowledge to bring the best solutions to projects.

RELEVANT EXPERIENCE

> **Mechanical engineer for the Town of Gilbert, Arizona, Pump Station and Reservoir at Ray and Recker Roads.** The goal of this project was to design, permit, and construct a new 2-MG reservoir and pump station on 3.23 acres to augment the Town's Water Service Zone 2. The project involved determining demands, pumping requirements, and storage requirements; securing and completing 10 permits and internal reviews; and mitigating stakeholder and neighborhood challenges.

> **Mechanical engineer for the Apache Junction Water District, Arizona, Non-Potable Water Reservoir and BPS Design.** Carollo assisted with expedited design (9 months), CMAR selection assistance, and CMAR coordination for a 1.5 MG recessed concrete reservoir and 1.0 MGD integral pump station to convey Class A+ reclaimed water (treated effluent) from the AJSD WWTP to the AJWD for turf irrigation associated with new residential developments within the Arizona State Land Department's recent 8,500 Acres Auction.

> **Mechanical engineer for the Salt River Pima-Maricopa Indian Community, Arizona, North Mesa Drive Pump Station.** This goal of this design-build project was to design and construct a new pump station and arsenic treatment facility to supply redundant potable water supply and fire flow capacity to the area served by an

existing well. The project involved a 0.55-MG water storage reservoir, 0.3-mgd booster pump station; re-equipping an existing 350-gpm potable water well; installing a second 350-gpm well; and designing a 350-gpm wellhead arsenic treatment system. Work efforts included developing 20-year life-cycle costs, implementing Carollo's Design CAMP® for stakeholder input and to shorten the project schedule, and configuring bypass and pump station for emergency fire water needs.

> **Mechanical engineer for the Salt River Pima-Maricopa Indian Community (SRPMIC), Arizona, Water System Improvements.** The project consisted of evaluating SRPMIC's water system and designing improvements for domestic water wells, pump stations, reservoirs, water distribution lines, and associated facilities. Other work efforts include siting and permitting new facilities. The project involved efficiently managing five relatively discrete projects as one project and providing separate bid packages; coordinating with SRPMIC contracted pilot hole drilling; phasing, demolition work and well development; and seamlessly integrating the service performance of three civil engineering firms.

> **Mechanical engineer for the City of Eloy, Arizona, Houser and Toltec Roads Water Line and Booster Station No. 2 Expansion.** The goal of this project was to design and construct water infrastructure improvements to enhance the City's ability to provide water service

S. Kirk Gardiner, PE

to new commercial and industrial customers. The project involved expansion and renovation of Booster Station No. 2 to a firm capacity of 4,000 gpm and design of approximately 7,400 LF of water pipeline to tie into an existing 12-inch water line. Work efforts included removing and replacing all piping, valves, and appurtenances from the reservoir to the hydropneumatic tank, all booster pumps and pad; modifications to the service entrance to accommodate new booster pumps; additional monitoring of the SCADA system; bidding and engineering services during construction; and developing the new O&M manual for Booster Station No. 2. Project components included pump station design, determination of water pipeline size and location, coordination of utility conflicts, and the obtaining of required approvals and permits to construct the project. This project was funded by the Water Infrastructure Finance Authority (WIFA) and was awarded the 2014 Drinking Water Project of the Year.

> **Mechanical engineer for the City of Peoria, Arizona, Well and Booster Pump Station (BPS) Rehabilitation.** This project included pre-design, design, and construction services to rehabilitate two existing well sites. Project components included site work and grading; wall and access gates; new shade structure; eyewash station; tank mixer; new booster pumps, valves, and piping; standby generator; electrical / instrumentation and control upgrades; security upgrades; and SCADA improvements.

> **Project manager for the City of Phoenix, Arizona, Paradise Valley Water System Improvements Construction Management.** Carollo provided construction management services to replace two existing booster

pump stations and new interconnecting water line.

> **Project manager for the City of Phoenix, Arizona, Paradise Valley Booster Pump Station (BPS) 4J-B2 Design.** Responsible for multi-discipline engineering and coordination for the design of a replacement booster pump station. Booster pump station included booster pumps, hydro tanks and disinfection feed system.

> **Mechanical engineer for Metro Water, Arizona, NWRRDS Project.** Carollo designed and constructed the NWRRDS to recover their stored CAP water at AVRP and deliver it to their respective service areas. The infrastructure includes three new deep wells to pump and collect CAP water near the Marana Regional Airport. The water is manifolded into 24-inch collection and transmission pipelines and is conveyed seven miles to the combined partner's forebay site consisting of a 1-MG above ground storage tank.

> **Project engineer for the City of Phoenix, Arizona, Val Vista Water Treatment Plant (VWVTP) Reservoir Operations Optimization.** Responsible for multi-discipline coordination and mechanical engineering of a reservoir overflow structure and pump back systems installation design package.

> **Project manager for the City of Phoenix, Arizona, Val Vista Water Treatment Plant (VWVTP) Rehabilitation.** The project involved a feasibility study, preliminary design, final design, construction administration and inspection services to review potential rehabilitation work items that included over 30 small to large system and equipment modifications, and new system installation design packages.



EDUCATION

MS Electrical Engineering,
Colorado School of
Mines, 2011

BS Electrical Engineering,
Colorado School of
Mines, 2007

LICENSES

Professional Engineer,
Colorado, Illinois,
Virginia, Maryland

Electrical Engineer,
Arizona, California,
Nevada

OFFICE LOCATION

Denver, Littleton

Christopher L. Loving, PE

Chris Loving is a principal electrical engineer and is Carollo's Community of Practice leader for electrical system studies. He has extensive experience in electrical and instrumentation design and construction management for both water and wastewater treatment facilities. He also has in-depth knowledge of short circuit studies, protective device coordination and arc flash studies and can perform electrical system studies in ETAP, SKM, and EasyPower. His projects typically have involved extensive coordination with other disciplines, understanding and incorporating plant operator input, and wide-ranging integration with existing facilities. Many projects have included detailed and complex construction sequencing plans to minimize plant downtime.

RELEVANT EXPERIENCE

> **Electrical and instrumentation design of Panther Creek Wastewater Treatment Plant for North Texas Municipal Water District.**

The project included addition of a primary and secondary clarifier, aeration basins, odor control, sludge pumping, and a UV system. Design included one-lines, motor control center elevations, standby power generation studies, conduit routing, and switchgear.

> **Electrical and instrumentation engineer for the design and construction support of a 1.1-MW cogeneration system for the City of Hayward, California, Wastewater Treatment Facility.** Project consisted of developing construction documents for a 1.1-MW digester gas-fueled reciprocating-engine-based cogeneration system. System included installation of a single engine with space for a second unit, all appurtenant equipment, fuel treatment equipment, emission control equipment, and all electrical interconnection equipment.

> **Electrical and instrumentation engineer for the design and construction support of a 650 kW cogeneration system for the South Orange County Wastewater Authority Latham treatment plant, California.** Project included extensive coordination with two other consultants performing work on the same construction

documents including the service entrance gear being designed by others. Project included utilizing custom standards for the I&C design documents

> **Electrical and instrumentation engineer for the design of an 846 kW cogeneration system for the South Orange County Wastewater Authority Regional treatment plant, California.**

Project includes extensive utility coordination and developing California Rule 21 documentation and assistance with the utility interconnection agreement. The design includes all new switchgear and several other pieces of distribution gear. Extensive integration with the existing electrical distribution system was required and a detailed temporary power plan/construction sequence was developed as a part of this project.

> **Electrical and instrumentation design engineer for the New UV Facility at Floyd Branch for North Texas Municipal Water District.** Project consisted of three UV channels rated at 5 mgd with two banks each. Design of the UV equipment was specifically engineered to be open to multiple manufacturers with horizontal or vertical systems with alternative bids for other types. A 50KW standby generator was designed to supply the UV equipment in case of plant power failure.

> **Lead electrical design engineer for the Hancock County Utility Authority,**

Christopher L. Loving, PE

Mississippi, Northern Regional Wastewater Treatment Plant design project. The plant consisted of multiple electrical rooms to support the septage receiving station, influent/effluent pumping stations, closed vessel UV disinfection, in-line post aeration, and solids processing.

> **Electrical engineer for the City of Prescott, Arizona, Airport Water Reclamation Facility Expansion.** Carollo assisted in approximately 65 percent of the design. This Phase 1 was 3.75 mgd capacity, with the phased expansion of the facility planned for an ultimate capacity of 15 mgd. Because this Phase 1 expansion included a process change (from the existing oxidation ditches to activated sludge BNR) this project was essentially designing the first phase of a new treatment facility.

> **Electrical and I&C engineer for the Hi-Desert Water District, Yucca Valley, California, Collection System Phase 1.** Carollo provided design and construction support for the complete collection system of the \$95 million Phase I Wastewater Reclamation Project. Phase 1 included 77 miles of collection system piping ranging from 6 to 24 inches in diameter, three lift stations, ten separate jack-and-bore installations across Caltrans right of way at SR 62 and 247, and replacement of more than 78 miles of roadway.

> **Lead electrical engineer for the City of Las Vegas, Nevada, WPCF Filtration Building Miscellaneous Improvements.** The project involved preparation of design documents to upgrade the Filtration Building at the WPCF facility. Improvements included a ultrasonic level sensors, pump VFDs, filter level transmitters, flowmeters, butterfly valves, pressure switches, flow transmitters, hoists on the propeller

flowmeters, roof modifications, filter control panels, and general filter building paint and window improvements.

> **Lead electrical engineer and project engineer for a series of electrical upgrade project at the City of Simi Valley, California that includes pre-design, design, and engineering services during construction associated with the replacement of 480-volt switchgear and motor control centers that comprise the power distribution system at the City of Simi Valley's Water Quality Control Plant.** Design included a detailed construction sequence plan to minimize disruptions to plant operation as existing electrical equipment was taken out of service and ensures that all plant loads are supported by at least two sources of power derived from the utility service and either the plant standby diesel engine generator or a temporary standby engine generator provided by the contractor. Project involved understanding the Owner's needs and including a variety of process, HVAC, SCADA, fiber, and other upgrades.

> **Performed electrical system studies including short circuit, protective device coordination and arc flash hazard analysis for the Ocotillo Brine Reduction Facility Design/Build Project, California.** The project included 12.47kV switchgear with bus differential relays, 4.16kV MCC with motor protection relays, low voltage switchboards and MCCs, existing low voltage MCC and panelboards and an existing 350kW generator. Tasks included coordinating with the contractor for information for the existing equipment. This information included electrical equipment ratings, protective device settings, motor information and other required data.



EDUCATION

MS Environmental Engineering, University of Cincinnati, 2001

B-Tech Civil Engineering, Indian Institute of Technology, Bombay, 1998

LICENSES

Civil Engineer, California, Washington

CERTIFICATION

Board Certified Environmental Engineer (BCEE), American Academy of Environmental Engineers

OFFICE LOCATION

Orange County

Rajesh B. Doppalapudi, PE, BCEE

Rajesh Doppalapudi is a civil engineer specializing in the analysis and design of water and wastewater projects. With 25 years of experience in project management and process engineering, he has contributed to numerous wastewater treatment, solids handling, and disposal projects. Over the past five years, he has managed projects with a total planned construction value exceeding \$5.5 billion. His expertise in constructability and cost estimating contributes to the efficient and effective delivery of projects.

RELEVANT EXPERIENCE

> **Civil engineer providing commissioning and start-up assistance for the Eastern Municipal Water District, California, Moreno Valley Regional Water Reclamation Facility Acid-Phase Anaerobic Digestion project.** His responsibilities included submittal reviews, equipment testing, start up, and training for acid-phase anaerobic digestion process.

> **Civil engineer providing commissioning and start-up assistance for the Eastern Municipal Water District, California, Moreno Valley Regional Water Reclamation Facility Secondary Clarifier and Tertiary Treatment project.** Responsibilities included submittal reviews, equipment testing, start up, and training for tertiary treatment including cloth filters and chlorine contact basins.

> **Construction support and civil engineer for the Eastern Municipal Water District, California, Perris Valley Regional Water Reclamation Facility Dewatering Expansion.** Construction support responsibilities included submittal review, response to Requests for Information, and start-up and training assistance.

> **Construction support and civil engineer for the Eastern Municipal Water District, California, Temecula Valley Regional Water Reclamation Facility 16-mgd Expansion.** Construction support responsibilities included submittal review and response to

contractor Requests for Information. Design responsibilities included design of a sludge storage tank, digester gas holder, and truck scale.

> **Construction support and civil engineer for the Bardenpho Ditch Modifications at the Eastern Municipal Water District, California, Moreno Valley Regional Water Reclamation Facility.** Construction support responsibilities included submittal review and response to Requests for Information. Design responsibilities included developing the hydraulic profile and design of aeration basins.

> **Construction support engineer responsible for submittal review and response to contractor requests for information on the Clark County Water Reclamation District, Nevada, Central Plant Secondary Treatment Facility Modifications.**

> **Project engineer for the Eastern Municipal Water District, California, Year 2025 Regional Water Reclamation Facilities Capital Improvement Plan.** The project included developing 25-year capital requirements for EMWD based on project requirements and flow projection at four regional water reclamation facilities.

> **Civil engineer for the Orange County Water District, California, Dewatering Comparison project.** The project involved comparing various alternatives for the expansion of dewatering capacity. Performed a

Rajesh B. Doppalapudi, PE, BCEE

qualitative and life-cycle cost comparison between belt filter presses and centrifuges.

> **Project engineer for the centrifuge pilot testing prequalification on prepurchase design for three Eastern Municipal Water District, California, water reclamation facilities.**

Responsibilities included developing specifications for the evaluated bid package and shop drawing submittal review during construction.

> **Project engineer responsible for site development and bypass pumping for the Eastern Municipal Water District (EMWD), California, 2020 Warm Springs Lift Station Condition Assessment and Preliminary Design.**

This fast track project involved the condition assessment of a 30-year old active 37-mgd raw wastewater lift station and the two upstream sewers. A drone inspection of the operating lift station was carried out as the most cost-effective approach to observe the internal condition of the buried wet well.

> **Project manager for the ongoing Eastern Municipal Water District, California, Moreno Valley RWRF Plant 2A Rehabilitation project.** The project consists rehabilitation of the Plant 2A aeration basin at MVRWRF that has been in operation for 20-years. In addition, there are other scope items, such as replacement of a portion of the 42-inch stainless steel air header for Plant 2. The project is working towards the 90-percent design deliverable and is expected to go into construction in June 2025.

> **Design manager for the Inland Empire Utilities Agency, California, RP-4 Primary Clarifier and Process Rehabilitation Project.** The project includes preliminary and final design for assessment of the various processes in

the plant and developing construction drawings for the various improvements identified during the assessment.

> **Project engineer for the Eastern Municipal Water District, California, Temecula Valley Regional Water Reclamation Facility Secondary Plant Stress Test.** His responsibilities included developing test plans, working with plant staff to optimize their secondary process, and collecting and analyzing plant data.

> **Project engineer for the Orange County Sanitation District, California, 2017 Facilities Master Plan.** Carollo provided a comprehensive update to the 2009 Facilities Master Plan, including the collection system and the two Plants facilities. The project included identifying CIP projects for the next 20 years based on various end of life assessment drivers. The identified projects were then prioritized to meet OCSD's cash flow requirements. The project also included developing an estimate of the replacement value of all of OCSD's facilities.

> **Project engineer for the City of Riverside, California, Comprehensive Wastewater Master Plan.** Carollo provided an update to the City's 2008 Master Plan, including a visual condition assessment of the collection system and Regional Water Quality Control Plant. The new plan included flow monitoring, flow and process modeling, a Waste Discharge Requirements GAP analysis, development of a CIP for the collection system and treatment plant, and a financial plan.



EDUCATION

BA Political Science,
University of Nevada, Las
Vegas, 1986

OFFICE LOCATION

Las Vegas

Dale M. Snyder

Dale Snyder has 39 years of civil design experience, mostly in water resources CADD design work for water resource improvement projects. Many of his projects include reservoir designs and he is the source of information for many of the Southern Nevada Water Authority's (SNWA) design projects, since he was intimately involved in their development. As manager of the CADD design effort, Dale coordinated production of computer-aided design/ drafting assignments; directed procurement for MIS equipment; and assured deliverable products adhered to the clients' standards and specifications. He has considerable experience with design software in the preparation of computer-generated drawings using Civil 3D, as well as Microsoft Office. Dale has experience with multiple platforms, conversions, and integration of computerized files to adhere to client standards and specifications, drawing preparation and production, and quality computations. He has a wealth of knowledge and understanding of pipeline-oriented designs, particularly those involving complete system development.

RELEVANT EXPERIENCE

> CAD lead for the City of Pasadena, California, Replacement of the Sunset Reservoir preliminary design project.

The project involved the seismic/structural evaluation of a 5.6-MG elliptical-shaped reservoir with a hopper bottom and wood-framed roof originally constructed in 1888. Operational strategies, rehabilitation/retrofit, and replacement alternatives were considered. Findings and recommendations were presented in a report with conceptual level cost estimates.

> CAD lead for the City of Redlands, California, Recycled Water Reservoir Storage to provide design of a 2.7 MG prestressed recycled water reservoir and a new pump station to comply with Title 22 requirements allowing for extended use of the water. Project includes hydraulic analysis to determine necessary modifications and confirm reservoir sizing. In addition, Carollo is evaluating construction alternatives for the reservoirs and conducting water quality analysis to assess need for additional disinfection to achieve desired residuals in the distribution system.

> Design manager for the Southern Nevada Water Authority, Las Vegas,

Nevada, Coyote Springs Well and Moapa Transmission System, SNWA 340-A.

This SNWA project included the design of approximately 81,200 feet of 24-inch diameter pipeline, inclusive of a reservoir, pumping station and its equipment, various regulating valves, and pumps. Dale oversaw pipeline design elements, such as: alignment studies, plans and profiles, valve specifications, and associated appurtenances to accommodate submersible pumps, meters, and flow. Dale followed up on SNWA design modifications and red lines to effect timely turnarounds and ensured conformity with specifications.

> Lead designer for the Southern Nevada Water Authority, Henderson, Nevada, 160-A River Mountains 2530 Pumping Station and 25 MG Clearwell C. Carollo designed a 175 mgd pumping station that includes a 25 MG underground reservoir, five pumps, each capable of about 34 mgd at approximately 410 feet of head, associated piping, valves, meters, and surge tanks. Dale designed civil plans, plan set organization, and general design and drafting support.

> Lead designer for the Southern Nevada Water Authority, Nevada, North Valley Lateral, 170-B. Dale was

Dale Snyder

the lead designer for the design of 6.6 miles of 72-inch diameter MLC steel pipeline serving the SNWA 2345 Decatur Reservoir and CNLV Deer Springs 2430 Zone Pump Station located in the northwest portion of the Las Vegas Valley. The project included accommodation for regional flood control facilities; an impressed current cathodic protection system, four butterfly valves and vaults; air/vacuum and blow-off assemblies, fiber optics conduits and a design that anticipated other future improvements along the corridor.

> **Lead designer for the Southern Nevada Water Authority, Nevada, North Valley Lateral, 140-A.** Dale was the lead designer for the design of 2.6 miles of 84-inch, 2.0 mile of 42-inch, 1.0 miles of 30-inch and 2.0 miles of 24-inch diameter MLC steel pipeline serving the SNWA 2345 Decatur Reservoir and CNLV Deer Springs 2430 Zone Pump Station located in the northwest portion of the Las Vegas Valley. The project included accommodation for future regional flood control facilities and accommodation for the future Beltway crossing at Valley Drive and Centennial Parkway: an impressed current cathodic protection system, four butterfly valves and vaults; air/vacuum and blow-off assemblies, fiber optics conduits and a design that anticipated other future improvements along the corridor.

> **Senior designer, City of Riverside Public Utilities Department, California, San Bernardino Pipeline Condition Assessment.** This project is a condition assessment to determine the condition of a 1927 era concrete pipeline carrying drinking water from San Bernardino to Riverside. The work consists of planning, permit processing and paying the fees for each permit such as Caltrans, City of Colton, City of Riverside, and City of San

Bernardino. Traffic Control Plans for the same cities were also required. The project includes physical man entry inspection as well as close circuit television inspection. URS joined with Spiniello Infrastructure Company to perform the inspection activities. The project also includes the assessment task and recommendations for the pipeline such as repairs, relining and or replacement. Dale was involved with the field inspections, figures, and assessment report preparation.

> **Senior designer for the Inland Empire Utility Authority (IEUA), California, Baseline Recycled Water Pipeline Project.** The project at the northeastern portion of the service area includes an existing 24-inch diameter pipeline located in Baseline Avenue that was extended approximately 8,200 linear feet to Cherry Avenue in the City of Fontana of which 4,500 linear feet was along Baseline Avenue and 3,700 feet along South Heritage Circle. The project supports recycled water for landscape irrigation in medians, park ways, and parks that increased the beneficial reuse of recycled water by approximately 105 AFY. The pipeline extension is located within IEUA's 1630 pressure zone. There is potential to increase recycled water usage in the future with lateral branches from the 24-inch line pipeline to the north and south of Baseline Avenue and further east into the City of Fontana. This project provided water reliability by reducing dependence on imported water and maximizing the beneficial reuse of recycled water.

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FEE PROPOSAL PREPARED FOR
EAST ORANGE COUNTY
WATER DISTRICT

**Wholesale System
Handy Creek
Reservoir Replacement
Phase 1: Final Design**

SEPTEMBER 2026



carollo®



3150 Bristol Street, Suite 500
Costa Mesa, California 92626
714-593-5100
carollo.com

September 10, 2026

Mr. Bobby Young P.E., Engineering Manager
East Orange County Water District
185 N. McPherson Road
Orange, CA 92869

Subject: Wholesale System Handy Creek Reservoir Replacement – Phase 1: Final Design – Fee Proposal

Dear Mr. Young:

In accordance with the East Orange County Water District (EOCWD/District) Request for Proposal (RFP), Carollo has prepared and is submitting our Fee Proposal based on an analysis of the estimated hours and costs for the individual tasks outlined in the Scope of Work for the Wholesale System Handy Creek Reservoir Replacement Project. Our proposed approach, use of local resources, and institutional knowledge will provide the District with sound and cost-effective engineering services during the project.

This Fee Proposal is an estimate of costs to furnish our approach as defined in Carollo's proposal to the District, which is consistent with the requirements of the RFP. The Fee Proposal is included as an attachment to this letter and includes estimated hours, labor classification allocation and expenses for each task and sub-task to be completed. The hourly rates shown in the fee table will be kept constant for the duration of the Final Design.

Assumptions for the Fee Estimate

In preparing the analysis of the estimated hours per task, we noted the following assumptions:

1. District staff will provide project background information, material, and direction for specific tasks.
2. Potholing is not included.
3. Bid Phase services are not included.
4. The following Optional Tasks have been included for consideration by the District:
 - (a) If needed, additional geotechnical field investigation will be provided. A budgetary estimate has been provided. This may need to be re-assessed based on the scope of the actual work, if needed.
 - (b) Coordination with MWD - It is assumed that the MWD pump station that supplies water to the reservoir and reservoir yard piping and replacement is not part of this final design. We have included an Optional task for coordination with MWD for adjustments to their pumping system due to the higher reservoir HGL.
 - (c) SCE Coordination – we have an allowance for coordination work with SCE and coordination of an electrical permit, if required.
 - (d) CEQA – Preparation of the Environmental documentation is not included. As an Optional task we have included some budget to assist the District or its consultant with related design information.
5. Permitting is limited to only assisting the District in obtaining the required permits. All permit fees will be paid by the District.
6. The cost estimate is prepared based on the schedule timeframe in our proposal.
7. Any additional out of scope work will be discussed and negotiated with the District prior to performing the work.

Mr. Bobby Young P.E.
East Orange County Water District
September 10, 2026

Page 2

We look forward to the opportunity to deliver responsive client service to the District and collaborate with you on the successful final design for your Handy Creek Reservoir Replacement Project. Please contact the undersigned if you have any questions about our proposal or need any additional information.

Sincerely,

CAROLLO ENGINEERS, INC.



Graham Juby, PE, Principal-in-Charge
714-376-7231 / gjgjuby@carollo.com



Miko Aivazian, PE, Project Manager
626-379-2370 / maivazian@carollo.com

Enclosures:

- Detailed Fee Estimate Table



CAROLLO FEE ESTIMATE

Task No.	TASK DESCRIPTION	SENIOR PROFESSIONAL	PROJECT MANAGER, QA/QC	LEAD PROFESSIONAL	PROJECT PROFESSIONAL	PROFESSIONAL	ASSISTANT PROFESSIONAL	CAD TECHNICIAN	OFFICE SUPPORT	TOTAL HOURS	LABOR COST	PROJECT EQUIPMENT AND COMMUNICATION EXPENSE [PECE] (\$17.00 PER LABOR HOUR)	OTHER DIRECT COSTS	SUBCONSULTANTS (ADS ENGINEERING/ CONVERSE CONSULTANTS)	MARKUP ON SUBCONSULTANTS	TOTAL PROJECT FEE
	Hourly Billing Rate	\$340	\$340	\$310	\$296	\$250	\$198	\$185	\$150							
1.0	PROJECT OVERSIGHT/MANAGEMENT AND QA/QC	8	72	56	36	12	0	0	13	197	\$60,166	\$3,349	\$1,100			\$64,615
1.1	Attend kickoff meeting, and review meetings at 60%, 90%, and 100% (assume 4 total)	2	12	12	8				2	36	\$11,148	\$612	\$600			\$12,360
1.2	Attend additional progress meetings with District and operation staff (assume 6 monthly meetings total)	2	12	12	8				2	36	\$11,148	\$612				\$11,760
1.3	Project Management	2	40	24	12	12			8	98	\$29,472	\$1,666	\$500			\$31,638
1.4	Quality Assurance and Quality Control	2	8	8	8				1	27	\$8,398	\$459				\$8,857
2.0	BASELINE RESEARCH	0	28	40	36	0	8	16	4	132	\$37,720	\$2,244				\$39,964
2.1	Review available reports, documents, etc		8	8			8		1	25	\$6,934	\$425				\$7,359
2.2	Attend a site visit		4		4				1	9	\$2,694	\$153				\$2,847
2.3	Planning of site demolition elements, construction sequencing, and coordination of the location of the temporary tank with operations		8	16	16			16	1	57	\$15,526	\$969				\$16,495
2.4	Prepare construction schedule		8	16	16				1	41	\$12,566	\$697				\$13,263
3.0	60% FINAL DESIGN	6	56	76	80	32	100	480	22	852	\$188,220	\$14,484	\$700	\$17,000	\$1,600	\$222,004
3.1	Prepare 60% plans	2	40	60	80		100	480	12	774	\$166,960	\$13,158	\$500	\$15,000	\$1,500	\$197,118
3.2	Prepare 60% specifications	2	8	16		16			8	50	\$13,560	\$850	\$200	\$2,000	\$100	\$16,710
3.3	Prepare 60% cost estimate	2	8			16			2	28	\$7,700	\$476				\$8,176
4.0	90% FINAL DESIGN	6	56	64	40	56	60	360	22	664	\$148,540	\$11,288	\$700	\$25,000	\$2,500	\$188,028
4.1	Prepare 90% plans	2	24	40	40		60	360	12	538	\$113,360	\$9,146	\$500	\$20,000	\$2,000	\$145,006
4.2	Prepare 90% specifications	2	24	24		40			8	98	\$27,480	\$1,666		\$5,000	\$500	\$34,646
4.3	Prepare 90% cost estimate	2	8			16			2	28	\$7,700	\$476	\$200			\$8,376
5.0	100% FINAL DESIGN	0	32	40	24	28	60	60	12	256	\$62,164	\$4,352	\$1,000	\$8,000	\$830	\$76,346
5.1	Prepare 100% plans		12	24	24		60	60	2	182	\$41,904	\$3,094	\$700	\$8,000	\$800	\$54,498
5.2	Prepare 100% specifications		16	16		16			8	56	\$15,600	\$952	\$300		\$30	\$16,882
5.3	Prepare 100% cost estimate		4			12			2	18	\$4,660	\$306				\$4,966
TOTAL FOR TASKS 1-5		20	244	276	216	128	228	916	73	2,101	\$496,810	\$35,717	\$3,500	\$50,000	\$4,930	\$590,957
OPTIONAL TASKS																
6.0	ADDITIONAL OPTIONAL TASKS	2	32	56	8	0	36	8	5	147	\$40,646	\$2,499	\$1,400	\$30,000	\$3,000	\$77,545
6.1	Additional geotechnical field investigations (if needed)		4	8	8				1	21	\$6,358	\$357		\$25,000	\$2,500	\$34,215
6.2	Coordination with MWD for inlet pumping due to higher reservoir HGL	2	16	24			24		1	67	\$18,462	\$1,139	\$600			\$20,201
6.3	SCE coordination and electrical permit (if needed)		8	8					1	17	\$5,350	\$289	\$500	\$5,000	\$500	\$11,639
6.4	Assist and provide information for CEQA documentation		4	16			12	8	2	42	\$10,476	\$714	\$300			\$11,490
TOTAL FOR OPTIONAL TASKS		2	32	56	8	0	36	8	5	147	\$40,646	\$2,499	\$1,400	\$30,000	\$3,000	\$77,545
TOTAL FOR ALL TASKS		22	276	332	224	128	264	924	78	2,248	\$537,456	\$38,216	\$4,900	\$80,000	\$7,930	\$668,502

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MEMO

TO: BOARD OF DIRECTORS
FROM: GENERAL MANAGER *[Signature]*
SUBJECT: GENERAL MANAGER'S REPORT
DATE SEPTEMBER 17, 2026

Background

This report is intended to provide a summary along with some discussion on the current District activities. General Manger will highlight items of interest and provide background on those items of interest to the Board.

- ACWA Fall Conference, December 1-3, 2026 in Anaheim
- ISDOC Elections
- Colorado River Decision

Recommendation

Receive and File.

Attachment(s): District Activities Report
Operations Monthly Report
Report on Issued & Pending Permits
Engineering & Operations Committee Meeting Minutes

EAST ORANGE COUNTY WATER DISTRICT ACTIVITIES REPORT

September 2026

The following report is a summary of the District's activities over the past two months.

SYSTEMS STATUS - OPERATIONS AND MAINTENANCE

All systems activities and accomplishments are included in the attached Monthly Asset Reports.

1) SEWER

EOCWD Sewer Spills – No spills to report for July and August.

SSMP Review – monthly review of the Sanitary Sewer Management Plan.

As-Needed Support Services for City of Villa Park – EOCWD will continue to provide support as needed.

City of Villa Park Proposal – Per City request, staff provided a proposal to perform annual cleaning services and video inspection of the City's sewer system. The City is reviewing the proposal.

Update – The City has an existing 2 year contract with its existing sewer cleaning contractor which the City has decided to maintain until its expiration.

2) WHOLESALE

WZ Water Demands – See separate Board item. Demands continue to be low.

Monitored daily operations of reservoir chlorination systems at Peter's Canyon, Andres and Newport reservoirs.

Submitted monthly, quarterly, and annual reports to SWRCB.

Reviewed weekly water quality data.

Low Water Demands - Mixing of the 6 MG reservoir has been successful. Staff has been able to maintain good water quality even through low demand periods. However, staff continues to flush as needed to maintain water quality due to low water demands.

Update – demands have remained low even through the hot summer months. In order to help boost the disinfectant residual and reduce the amount of flushing in the wholesale system, staff requested approval from the Engineering and Operations Committee to purchase and install a chloramination boosting system through D&H Water Systems.

3) RETAIL

RZ Water Demands – See separate Board item.

Monitored daily operations of PFAS treatment plant and booster station.

RZ Leaks - On August 2nd, staff responded to a reported water leak on Fairhaven Extension and found a circumferential crack on the 8 inch ac watermain. Staff was able to install a repair clamp without interrupting water service to customers. The typical cause of these type of leaks is likely ground movement or settling.

Groundwater Production Well Status – both district wells are operational with VanderWerff well being operated as the primary groundwater source.

PERMIT STATUS

See attached Permit Status sheet for Sewer, Wholesale, and Retail permits.

CAPITAL PROJECT STATUS UPDATE

Updates provided at E&O Committee meeting.

DISTRICT GENERAL ACTIVITIES

1) Public Safety Power Shutoff (PSPS)

None to report.

2) **GIS Newsletter**

No Update.

3) **Safety**

Staff completed training on the following topics during the months of July and August:

- Fall Protection / Before a task begins
- Clothing / Fire Extinguishers
- Heat Stroke / Water Safety
- Workplace Inspections / Heavy Equipment
- Trip Injuries & Prevention / Eye damage due to sunlight
- Driving / Work Tasks
- Radio Communications / Water Safety
- Sling Inspections / Skin cancer due to sun exposure
- Traffic Control / Confined Space

4) **Engineering & Operations Committee**

Engineering & Operations Committee – September 10, 2026 Meeting minutes attached.

5) **Administration & Finance Committee**

Administration & Finance Committee – There was no meeting held in July & August.



Monthly Sewer Asset Report

July 2026

Sewer Gravity Main Work

Worktype	Workflows Completed	Footage Completed
CCTV Inspection	52	13,392
Main Cleaning	362	81,572
Main Lining	0	0
Main Repair	0	0
Main Replace	0	0
Managers Form	0	0
Root Foaming	0	0
Grand Total	414	94,963

FOG Work

Worktype	Workflows Completed
BMP GRE Inspection	3
BMP GRE Violation Follow-up	1
BMP Inspection	0
BMP Violation Follow-up	1
GRE Inspection	0
GRE Violation Follow-up	2
Initial Inspection	0
Operational Status Investigation	3
Grand Total	10

Easement Work

Worktype	Workflows Completed
Easement Inspection	0

Lateral Work

Worktype	Workflows Completed
Lateral Connection Edit	0

Manhole Work

Worktype	Workflows Completed
Manhole Inspection	286
Manhole Rehab	0
Manhole Repair	0
Roach Spray	0
Smartcover Alarm Response	0
SSO Report	0
Grand Total	286

Water Hydrants

Worktype	Workflows Completed	Water Used in Gallons	Water Used in CCF
Hydrant Meter Read	4	66,450	89



Monthly Water Asset Report

July 2026

Meter Work

Workflow	Work Completed
Broken Meter Box	0
Meter Changeout	40
Meter Connect	5
Meter Disconnect	6
Meter Installation	0
Meter Investigation	0
Meter Leak	0
Meter Read	0
Meter Re-read	0
Meter Test	0
Miscellaneous Meter Work	2
Grand Total	53

Vault Work

Workflow	Work Completed
Cleaning	0
Construction Inspection	0
Maintenance	1
Repairs	0
Vault Maintenance	0
Wholesale Flushing	4
Grand Total	5

Air Vac Work

Workflow	Work Completed
Air Vac Maintenance	0
Grand Total	0

Hydrant Work

Workflow	Work Completed
Fire Flow Test	0
Hydrant Flushing	3
Hydrant Installation	0
Hydrant Maintenance	0
Hydrant Meter Install	0
Hydrant Meter Read	0
Hydrant Meter Removal	0
Hydrant Replacement	0
Grand Total	3

Pressure Reducing

Workflow	Completed
Pressure Reducing Station	1

Valve Work

Workflow	Work Completed
Main Line Restore	4
Main Line Shut Down	3
Valve Exercise	0
Valve Repair/Replace	0
Valve Shut Down	3
Grand Total	10

Production Meter Work

Workflow	Work Completed
Production Meter Changeout	0
Production Meter Maintenance	0
Production Meter Repairs	0
Production Meter Test	0
Wholesale Flushing	3
Grand Total	3

Facilities Work

Workflow	Work Completed
Cleaning	0
Maintenance	0
Repairs	0
Reservoir Cleaning	0
Tank Inspection	0
Grand Total	0

Water Site Work

Workflow	Work Completed
Rounds	75
Site Inspection	0
Site Maintenance	0
Site Repairs	0
Grand Total	75

Water Distribution Line Work

Workflow	Work Completed
Water Main Repair	0
Grand Total	0

Sample Work

Workflow	Work Completed
In-House WQ Data	60
Sample Post Work	0
THM / HAA5	0
Wholesale Flushing	3
Grand Total	63

Lateral Work

Workflow	Work Completed
Lateral Inspection	0
Lateral Installation	0
Lateral Leak	0
Lateral Repair	3
Lateral Replacement	0
Grand Total	3

Control Valve Work

worktype	Work Completed
Air Vac Maintenance	0
Control Valve Maintenance	0
Open Control Valve	0
Valve Exercise	0
Valve Repair/Replace	0
Grand Total	0

Pump Work

Workflow	Work Completed
Motor Installation	0
Pump and Motor Inspection	0
Pump and Motor Maintenance	0
Pump Efficiency Testing	0
Grand Total	0



Monthly Customer and Locate Work Report

July 2026

Customer Work

Workflow	Work Completed
Construction Inspection	1
Customer Door Tag	2
Customer High Water Bill Investigation	0
Customer Investigation	4
Customer Leak	2
Customer Water Quality Investigation	0
Preconstruction	0
Water Pressure Investigation	2
Grand Total	11

DigTicket Work

Workflow	Work Completed
Tickets completed by Sewer	219
Tickets completed by Water	57
Grand Total	276



Monthly Sewer Asset Report

August 2026

Sewer Gravity Main Work

Worktype	Workflows Completed	Footage Completed
CCTV Inspection	71	17,687
Main Cleaning	388	81,820
Main Lining	0	0
Main Repair	0	0
Main Replace	0	0
Managers Form	0	0
Root Foaming	0	0
Grand Total	459	99,507

FOG Work

Worktype	Workflows Completed
BMP GRE Inspection	4
BMP GRE Violation Follow-up	1
BMP Inspection	1
BMP Violation Follow-up	4
GRE Inspection	1
GRE Violation Follow-up	4
Initial Inspection	5
Operational Status Investigation	3
Grand Total	23

Easement Work

Worktype	Workflows Completed
Easement Inspection	0

Lateral Work

Worktype	Workflows Completed
Lateral Connection Ed	0

Manhole Work

Worktype	Workflows Completed
Manhole Inspection	335
Manhole Rehab	0
Manhole Repair	0
Roach Spray	1,837
Smartcover Alarm Response	0
SSO Report	0
Grand Total	2,172

Water Hydrants

Worktype	Workflows Completed	Water Used in Gallons	Water Used in CCF
Hydrant Meter Read	1	45,750	61



Monthly Water Asset Report

August 2026

Meter Work	
Workflow	Work Completed
Broken Meter Box	0
Meter Changeout	19
Meter Connect	2
Meter Disconnect	1
Meter Installation	0
Meter Investigation	0
Meter Leak	0
Meter Read	1
Meter Re-read	0
Meter Test	0
Miscellaneous Meter Work	5
Grand Total	28

Valve Work	
Workflow	Work Completed
Main Line Restore	14
Main Line Shut Down	12
Valve Comment	7
Valve Exercise	80
Valve Repair/Replace	1
Valve Shut Down	3
Grand Total	117

Water Site Work	
Workflow	Work Completed
Rounds	83
Site Inspection	0
Site Maintenance	0
Site Repairs	0
Grand Total	83

Lateral Work	
Workflow	Work Completed
Lateral Inspection	0
Lateral Installation	0
Lateral Leak	1
Lateral Repair	1
Lateral Replacement	0
Grand Total	2

Vault Work	
Workflow	Work Completed
Cleaning	0
Construction Inspection	0
Maintenance	0
Repairs	1
Vault Maintenance	1
Wholesale Flushing	2
Grand Total	4

Air Vac Work	
Workflow	Work Completed
Air Vac Maintenance	0
Grand Total	0

Production Meter Work	
Workflow	Work Completed
Production Meter Changeout	1
Production Meter Maintenance	0
Production Meter Repairs	0
Production Meter Test	0
Wholesale Flushing	1
Grand Total	2

Water Distribution Line Work	
Workflow	Work Completed
Water Main Repair	0
Grand Total	0

Control Valve Work	
worktype	Work Completed
Air Vac Maintenance	0
Control Valve Maintenance	0
Open Control Valve	0
Valve Exercise	0
Valve Repair/Replace	0
Grand Total	0

Hydrant Work	
Workflow	Work Completed
Fire Flow Test	1
Hydrant Comment	6
Hydrant Flushing	59
Hydrant Installation	0
Hydrant Maintenance	2
Hydrant Meter Install	0
Hydrant Meter Read	0
Hydrant Meter Removal	0
Hydrant Replacement	0
Grand Total	68

Pressure Reducing Station Work	
Workflow	Completed
Pressure Reducing Station Maintenance	3

Facilities Work	
Workflow	Work Completed
Cleaning	0
Maintenance	0
Repairs	0
Reservoir Cleaning	0
Tank Inspection	0
Grand Total	0

Sample Work	
Workflow	Work Completed
In-House WQ Data	61
Sample Post Work	0
THM / HAA5	0
Wholesale Flushing	1
Grand Total	62

Pump Work	
Workflow	Work Completed
Motor Installation	0
Pump and Motor Inspection	0
Pump and Motor Maintenance	0
Pump Efficiency Testing	0
Grand Total	0



Monthly Customer and Locate Work Report

August 2026

Customer Work

Workflow	Work Completed
Construction Inspection	4
Customer Door Tag	13
Customer High Water Bill Investigation	3
Customer Investigation	10
Customer Leak	7
Customer Water Quality Investigation	0
Preconstruction	0
Water Pressure Investigation	1
Grand Total	38

DigTicket Work

Workflow	Work Completed
Tickets completed by Sewer	211
Tickets completed by Water	51
Grand Total	262

PERMITS ISSUED FOR:

Jul-26

Received	Address	Type of Development	APN	Date Issued	Regional CFCC (OCSan) Fees	EOCWD Sewer Capacity Fees	Sewer PC&I Fees	Total Sewer Fees	WZ Meter Fees
9/15/2025	10671 Equestrian Dr.	ADU	503-201-06	7/21/2026	\$ 1,325.54	\$ 3,346.96	\$ 1,600.00	\$ 6,272.50	\$ 567.83
4/30/2026	2092 Shelterwood Rd.	ADU	104-331-17	7/20/2026	\$ 1,356.00	\$ 4,080.08	\$ -	\$ 5,436.08	\$ 692.20
6/11/2026	13122 Ranchwood Rd.	ADU	500-011-45	7/31/2026	\$ 1,711.95	\$ 5,633.67	\$ -	\$ 7,345.62	\$ 955.78
6/12/2026	18062 Norwood Park Pl.	ADU	401-463-02	7/29/2026	\$ 1,084.80	\$ 5,652.27	\$ -	\$ 6,737.07	\$ 719.00
6/30/2026	14282 Green Valley,	ADU	432-091-17	7/22/2026	\$ 1,101.75	\$ 2,284.81	\$ -	\$ 3,386.56	\$ 1,311.62
					Totals	\$ 6,580.04	\$ 20,997.79	\$1,600.00	\$ 29,177.83
					<i>Due to OCSAN</i>	<i>\$ 6,251.04</i>			

APPLICATIONS RECEIVED

Received	Address	Type of Development	APN	Permit Status
7/2/2026	13001 Malena Dr.	ADU	395-211-07	Pending payment and signature
7/7/2026	540 W. 3rd St. Tustin	ADU	401-364-04	Pending customer response
7/9/2026	145 N. B St. Tustin	ADU	401-531-08	Pending payment and signature
7/6/2026	138 N. B St. Tustin	ADU	401-523-20	Pending customer response
7/22/2026	13381 Epping Way	ADU	103-523-29	Pending payment and signature

PERMITS ISSUED FOR:

Aug-26

Received	Address	Type of Development	APN	Date Issued	Regional CFCC (OCSan) Fees	EOCWD Sewer Capacity Fees	Sewer PC&I Fees	Total Sewer Fees	WZ Meter Fees
2/11/2026	11141 Brunswick Way	ADU	503-502-06	8/27/2026	\$ 2,050.29	\$ 5,773.29	\$ -	\$ 7,823.58	\$ 979.46
5/5/2026	14851 Featherhill Rd.	ADU	432-273-11	8/3/2026	\$ 842.42	\$ 2,348.29	\$ -	\$ 3,190.71	\$ 719.00
5/1/2026	18191 Bigelow Park	ADU	401-453-08	8/6/2026	\$ 1,104.66	\$ 2,684.83	\$ -	\$ 3,789.49	\$ 2,518.00
7/2/2026	13001 Malena Dr.	ADU	395-211-07	8/18/2026	\$ 2,032.31	\$ 2,730.93	\$ -	\$ 4,763.24	\$ 463.31
7/7/2026	540 W. 3rd St. Tustin	ADU	401-364-04	8/3/2026	\$ 550.88	\$ 1,823.37	\$ -	\$ 2,374.25	\$ 185.64
7/6/2026	138 N. B St. Tustin	ADU	401-523-20	8/7/2026	\$ 813.96	\$ 4,586.04	\$ -	\$ 5,400.00	\$ 719.00
7/29/2026	12652 Prospect St.	ADU	094-402-22	8/26/2026	\$ 1,003.77	\$ 3,045.04	\$ -	\$ 4,048.81	\$ 310.02
Totals					\$ 8,398.29	\$ 22,991.79	\$ -	\$ 31,390.08	\$ 5,894.43
<i>Due to OCSAN</i>					\$ 7,978.38				

APPLICATIONS RECEIVED

Received	Address	Type of Development	APN	Permit Status
8/27/2026	115 Oranewood Ln.	ADU	401-532-23	Pending payment and signature
8/28/2026	12441 Country Ln.	ADU	103-501-16	Pending plans
8/18/2026	1791 Terry Lynn Ln.	S2S	503-491-17	Pending revised plan

**Minutes of the
Engineering & Operations Committee
September 10, 2026**

1. The meeting was called to order at 12:00 P.m. by President Murdoch.

Attendees: President Murdoch, Vice President Thoms, David Youngblood – General Manager, Bobby Young – Engineering Manager, Jerry Mendzer – Operations Manager, and Sylvia Prado – Office Manager.

2. No public comments were received.
3. No additional items were added to the agenda.

Informational Items

4. Operations Report – Retail, Wholesale, and Sewer System Status – Staff reported that both district wells are operational.

Staff reported that groundwater levels continue to rise, and the District continues taking imported water although there have been some operational challenges in maintaining the water quality. While Golden State Water Company, the City of Orange, and the City of Tustin are currently taking water, it continues to be at a lower rate than historical averages. Staff continues to flush several connections in the WZ system in order to maintain water quality. Some minor meter and valve replacement work was completed at the Walnut and Ethelbee vaults. The goats grazed at the 6 MG site along with landscape maintenance being performed.

RZ continues to stay busy with the County's storm drain improvement project along Barrett and Fairhaven Extension. In addition, over the past couple of months Staff has performed some service line repairs, serviced PRVs, completed valve replacements, and followed up with regards to the AMI meter change-out project where leaks have been suspected. The final AMI meter was changed out on August 20th.

For the sewer system, Staff reported that roach spraying at half the system's manholes has been completed and root foaming at select sewer mains is nearly complete for this year. EOCWD provided an estimate to the City of Villa Park, but they will continue to use their contractor for sewer system cleaning. EOCWD will continue to provide assistance in response to emergency sewer spills.

5. Engineering Report – AMI Project Updates - Staff reported that the AMI project is closing out with final invoicing and documentation related to the grant funding. EOCWD is currently just under the total project cost threshold of \$1.25M, and the District is looking for additional meter-related expenses to maximize the \$1M grant funding.

6MG reservoir replacement project progresses as the Phase I final design agreement will be presented to the Board of Directors at the September meeting. Staff informed the Committee that following the Phase I (design) deliverables, it could take up to one year for Phase II (construction) to be awarded. If the grant is not awarded for construction, the District will re-visit this project and determine the appropriate next steps.

President Murdoch inquired about GSWC's willingness to cost share for potential reservoir capacity. Staff responded that may be an option depending on grant funding outcome.

**Minutes of the
Engineering & Operations Committee
September 10, 2026**

Vice President Thoms inquired about water support for wildfire and if the reservoir replacement project will incur liability for nearby homes damaged in the event of a wildfire. Staff reported that the grant application defined the project related to infrastructure improvement only, as the existing reservoir is currently vulnerable to wildfire and seismic activity. The ability to fight fires lies with each retail agency's infrastructure in the area.

Staff reported that new sewer combo truck should be available in October. Staff will go and inspect the truck to make sure it is in excellent condition before it gets shipped to EOCWD.

6. Emergency Response Plan (ERP) Overview – Staff presented an overview of the District's internal ERP. President Murdoch commented favorably on the well-written plan. Internal staff met to go over the content and staff training requirements. President Murdoch suggests posting a message on District's website that the District has an ERP policy in place. Staff also gave a brief overview of the WebEOC platform, which will be used during Emergency Operations Center (EOC) activations.
7. Chloramine System Equipment – Staff requested an equipment purchase order after receiving two quotes for packaged chloramine boosting systems. The system will be implemented at the 6MG reservoir site, as the two other WZ reservoir sites have trailer systems in place. The equipment will be housed in a storage container, that can be relocated during the future reservoir replacement and also re-used after the project is complete. The Committee inquired about the price difference and if there is a difference in the equipment. Staff responded that while some of the components are similar, we did not receive a detailed breakdown of each item as the quotes included packaged systems from the respective bidders. The Committee approved Staff's recommendation to award a purchase order to D&H Water Systems.

Adjournment at 1:25 p.m.

MEMO

TO: BOARD OF DIRECTORS
FROM: GENERAL MANAGER 
SUBJECT: LEGISLATIVE AND OUTREACH REPORT
DATE: SEPTEMBER 17, 2026

Background

Attached is most recent monthly report from ORBIS Public Affairs along with reports from Townsend Public Affairs. Additionally, a copy of our outreach is also attached.

Recommendation

Receive and File.

Attachment(s): Townsend Legislative Report & Current Legislative Matrix
ORBIS Public Affairs Report
Foothills Sentry Outreach Ad

MONTHLY LEGISLATIVE UPDATE

To: East Orange County Water District
From: Townsend Public Affairs
Date: August 14, 2026
Subject: July – August 2026 Legislative Monthly Report

From mid-July through mid-August, the California State Legislature entered the most consequential phase of the 2026 legislative cycle. Following the Legislature's July Summer Recess, both houses reconvened on Monday, August 3, marking the beginning of the final stretch of the legislative session and the conclusion of the Appropriations Committee process.

With the Legislature facing an extensive volume of legislation, significant fiscal and policy matters remain unresolved, namely, the future of Cap-and-Invest funding and the Governor's proposed wildfire liability reforms, have introduced additional complexity into an already compressed legislative calendar. With adjournment scheduled for Monday, August 31, the Legislature has only a matter of weeks to resolve these issues and complete action on the bills remaining before it.

Appropriations and the Suspense File

Under the Legislature's Appropriations Committee rules, bills carrying a fiscal impact exceeding \$50,000 to the General Fund or \$150,000 to special funds are generally required to be considered by the Appropriations Committee in each house. Bills with particularly significant fiscal impacts are placed on the Appropriations Suspense File, allowing each house to evaluate the fiscal implications of a large volume of legislation collectively.

The Suspense File process serves not only as a mechanism for evaluating the State's potential fiscal exposure, but also as one of the Legislature's principal tools for prioritizing legislation and narrowing the number of bills that ultimately advance to the Floor.

This year's Suspense File hearings took place on August 13. The volume of legislation considered underscores the magnitude of the Legislature's remaining workload:

- Assembly Appropriations Committee: 293 bills were considered. Of those, 80 bills (27.3%) were held in committee, while 213 bills advanced to the Assembly Floor.
- Senate Appropriations Committee: 561 bills were considered. Of those, 149 bills (26.5%) were held, while 412 bills advanced to the Senate Floor.

While the number of bills remaining before the Legislature presents a significant procedural challenge, the remaining policy negotiations may prove even more consequential.

Cap-and-Invest Funding

One of the most significant unresolved issues is the future of California's Cap-and-Invest program and the allocation of revenues generated through the program's allowance auctions.

Last year, the Legislature enacted SB 840 (Limón), establishing a new framework for California's Cap-and-Invest program and directing how revenues generated through the program should be utilized. The Governor, however, pursued a different approach to the allocation of these revenues.

Amid concerns over elevated gasoline prices and the possibility that major petroleum refiners could reduce or cease operations in California, the Governor directed the California Air Resources Board (CARB) earlier this year to redirect billions of dollars in Cap-and-Invest revenues toward petroleum refiners and other large emitters. The proposed redirection has generated significant concern among stakeholders who rely on Cap-and-Invest revenues to support transportation, affordable housing, clean drinking water, and other climate and infrastructure investments.

Legislative leaders in both houses have acknowledged ongoing negotiations with the Governor regarding the ultimate disposition of Cap-and-Invest revenues. However, significant differences remain. At present, the Legislature has declined to allocate auction proceeds toward subsidizing polluters and petroleum refiners, leaving the issue among the most consequential unresolved fiscal negotiations of the final weeks of Session.

The outcome of these negotiations could have substantial implications for EOCWD and other local governments and public agencies that are currently able to apply for those funds for infrastructure, water, and climate-related projects.

Wildfire Liability Reform

Complicating the final weeks of Session is the Governor's recently introduced proposal to reform utility wildfire liability.

The proposal would reduce the amount utilities may ultimately be required to pay for damages resulting from wildfires caused by their infrastructure. The Administration argues that California's existing liability framework has contributed to rapidly increasing utility costs, with utilities passing significant wildfire-related expenses through to ratepayers. The Governor has further argued that the scale of potential wildfire liabilities places utilities at risk of financial instability and could threaten the continued viability of critical utility providers.

The proposal has nevertheless generated substantial opposition and concern from other stakeholders. Insurers have raised concerns that reducing utility liability could limit their ability to recover wildfire-related costs and further destabilize an already challenging insurance market. Of particular concern is that more than a few insurers have indicated that if this proposal passes, they may cease operations in California altogether, leaving residents, EOCWD ratepayers, and other local agencies with even fewer and more expensive insurance plans or, at worst, even the potential of no insurance options other than California's FAIR plan. Wildfire survivors and victims

have similarly expressed concern that reducing utility liability could shift a greater share of recovery costs away from utilities and onto individuals and communities that have already sustained significant losses.

Of particular concern to local governments and public agencies, the proposed reforms could limit their ability to recover the full cost of rebuilding and restoring public infrastructure damaged or destroyed by wildfires. This could leave local agencies responsible for substantial unrecovered costs at precisely the time when their fiscal resources are already strained by emergency response and recovery efforts, state cuts, and federal de-funding.

DATA CENTERS

The debate over data centers has also taken center stage with four key bills surviving the Suspense File. None of the following bills will put the breaks on the construction of data centers, they are beginning framework of regulations that data centers seeking to move into California will face.

Assembly Bill 2469 (Papan): prevents cities and counties from approving a data center unless the project meets specific water supply requirements.

Assembly Bill 1577 (Bauer-Kahan): requires specific reporting requirements related to water and energy consumption for new data centers.

Senate Bill 886 (Padilla): Directs the California Public Utilities Commission (CPUC) to create special utility tariffs ensuring that data center developers—not regular electricity consumers—fully cover the cost of the electrical grid and transmission upgrades they trigger.

Senate Bill 887 (Padilla): Removes California Environmental Quality Act (CEQA) categorical exemptions for data center projects and sets up expedited legal review pathways only for facilities meeting strict water and clean-energy efficiency standards.

CARB CLEAN FLEET GUIDANCE

The California Air Resources Board (CARB) has issued updated guidance regarding the Advanced Clean Fleets regulations, providing additional clarity on fleet compliance requirements and available exemptions. Among the most significant changes is the extension of the 50 percent ZEV purchase requirement through 2030. CARB currently considers fleets to be operating within a 50 percent enforcement period, meaning that one out of every two newly purchased vehicles must be zero-emission. Limited exemptions may be available for emergency response, towing, and range-limited vehicles; however, these exemptions are not guaranteed and generally become available only after the initial 50 percent purchase requirement has been met and at least 10 percent of the fleet meets ZEV requirements. CARB estimates that exemption requests will be approved or denied within 45 calendar days.

The updated guidance also reduces the minimum fleet transition requirement associated with the Fleet Resilience Exemption from 25 percent to 5 percent, potentially providing greater flexibility for fleets that face operational challenges transitioning to zero-emission vehicles. At the same time, CARB has imposed additional limitations on the use of the Fleet Resilience Exemption and

provided revised criteria for determining whether a suitable ZEV is commercially available. The guidance further clarifies requirements concerning vehicle ordering, compliance calculations, and reporting for older vehicles, which may affect how public agencies evaluate and document their fleet compliance.

Importantly, CARB has clarified that privately owned and operated vehicles performing work under contract for state and local government agencies are subject to the Clean Fleet regulations. Public agencies must account for qualifying contracted vehicles when calculating fleet compliance, meaning private contractors may be required to provide ZEVs in order to fulfill public contracts. These changes underscore the need for public agencies to closely evaluate both their owned and contracted fleets, procurement practices, exemption eligibility, and reporting obligations. Given CARB's evolving guidance and the continued development of the regulatory framework, agencies should closely monitor additional updates and assess potential operational and fiscal impacts as the State moves toward the 2030 compliance deadline.

It is important to note that, with the exception of the emergency vehicle exemption, **none of the changes proposed in CARB's May guidance have been finalized**. The emergency vehicle exception was approved by the CARB Board at its July meeting and is therefore the only May proposal to have completed the Board approval process. CARB staff have communicated that they are continuing to review public comments received following the May meeting regarding the remaining proposed changes. Once that review is complete, staff may either return to the Board with amended regulatory language reflecting the public comments or advance the proposed guidance to the Governor's Office of Administrative Law for review.

For more detailed information on CARB's May guidance, please see the Clean Fleet memo provided by Townsend Public Affairs in May.

LEGISLATIVE UPDATE

To: East Orange County Water District
From: Townsend Public Affairs
Date: September 8, 2026
Subject: 2026 Legislative End of Session Overview

2026 STATE LEGISLATIVE WRAP UP

The state's 2026 session entered its final days with lawmakers managing a crowded agenda over the final weekend of August, convening mid-day Sunday, August 30, working late into the evening both Sunday and Monday before returning early Tuesday morning on September 1 to conclude the second year of the two-year Session. More than 1,200 measures remained active after the summer recess, creating a compressed final stretch of fiscal committee hearings, floor votes, concurrence decisions, and negotiations over late amendments. Housing policy, Brown Act legislation, voting rights, wildfire preparedness, budget volatility, climate resilience, labor costs, emerging technology infrastructure, and more all dominated headlines throughout the year, with tensions mounting in the latter half of the session.

Under the shadow of the November 2026 election, the Legislature made adjustments to proposals, ballot initiatives, and revenue-generating mechanisms as Governor Newsom is terming out. On the ballot, voters will select his successor and decide the outcome of a laundry list of ballot initiatives involving taxation, housing finance, state reserves, and environmental review. That transition encouraged the Legislature and Administration to lock in various priorities under their purview, while leaving several difficult implementation and funding decisions to the next Governor and Legislature.

BUDGET & FISCAL POLICY

At the outset of the year, the Legislature and Administration grappled with a budget deficit estimated at upwards of \$18.5 billion, setting a dismal tone for state and local programs that rely on state funding. As the year progressed, stronger near-term revenues helped ease California's structural imbalance as well as the implementation of new revenue-generating mechanisms, including limits on the use of business tax credits, changes to the managed care organization tax, and application of the sales and use tax to certain prewritten software transactions. Although met with some skepticism from the business community, these provisions will produce additional state and local revenue to help balance the state's budget, and foreshadow the potential for additional tax policy tools under future Administrations.

While the main budget was passed in [AB 109](#) in June, additional trailer bills were drafted, heard, and shepherded through to the Governor's desk in the final few days of session, advancing

proposals involving health, developmental services, preparation for the 2028 Olympics, energy transmission, wildfire mitigation, and long-awaited allocations from the Greenhouse Gas Reduction Fund. The Governor also touted setting up future balanced budgets, without any new broad-based taxes on individual Californians.

On June 29, the Governor signed the Budget Act of 2026-27, a \$351.7 billion spending plan that includes \$251.5 billion in General Fund spending, alongside roughly \$187 billion in federal funds flowing through state accounts. The enacted budget also builds total reserves to a record \$35.2 billion, including a \$15.1 billion Budget Stabilization Account balance, \$4.5 billion in the Special Fund for Economic Uncertainties, and \$9.2 billion in the Public School System Stabilization Account. Legislative leaders credited the agreement with cutting the state's projected structural deficit for 2029-30 nearly in half, from \$23 billion under the Governor's January proposal to \$8.4 billion in the enacted plan, while also rejecting several of the Administration's proposed health and human services reductions, including cuts to In-Home Supportive Services and a proposed Medi-Cal asset test.

NATURAL RESOURCES & ENVIRONMENT

Greenhouse Gas Reduction Fund Allocations

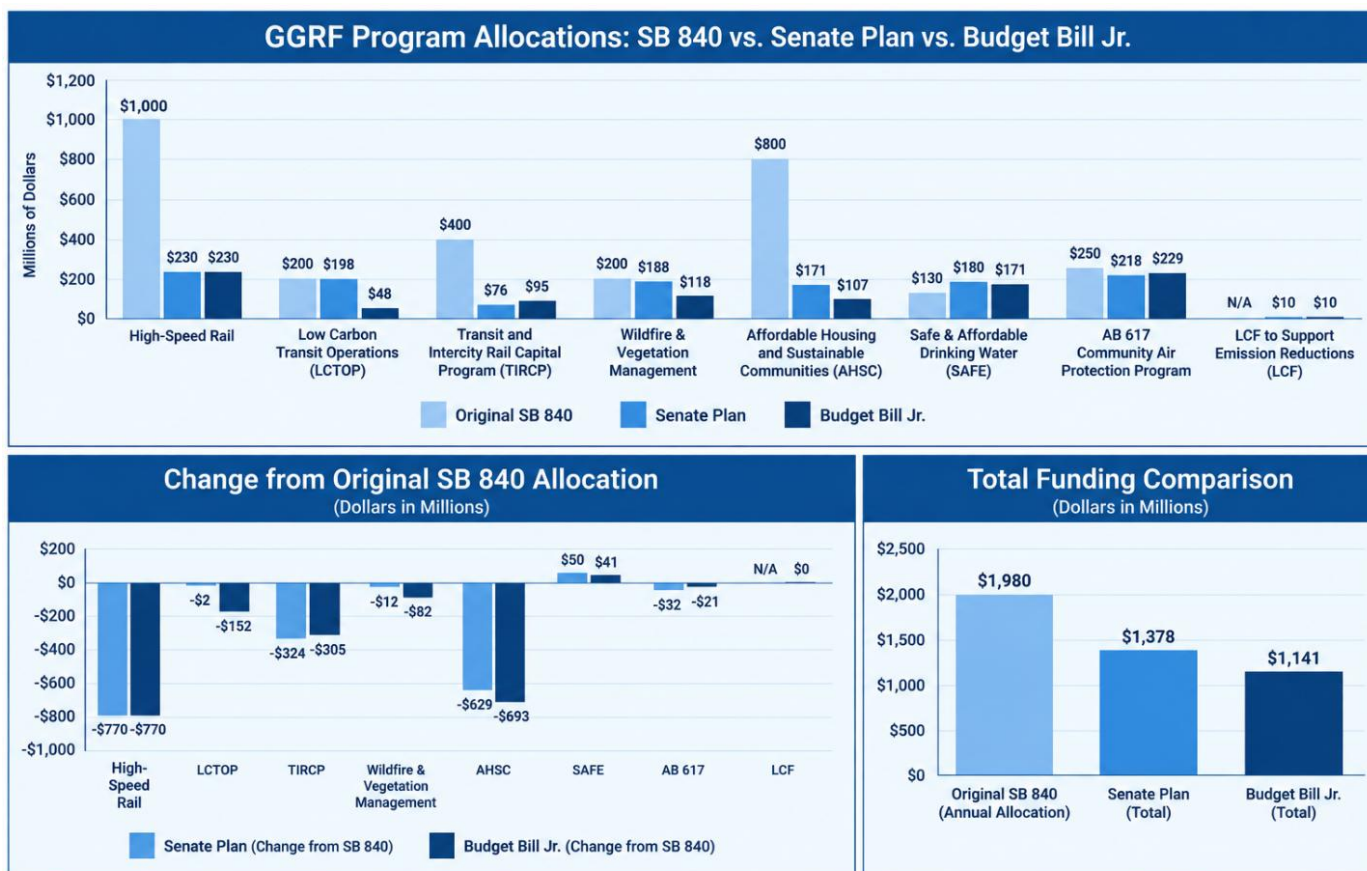
Since the reauthorization of the state's Cap-and-Invest system in 2025, recipients of funding from the Greenhouse Gas Reduction Fund (GGRF) have anxiously awaited the state's spending plan that would divvy up commitments from lower-than-expected auction revenues. The enacted expenditure plan includes major commitments for the Department of Forestry & Fire Protection (CAL FIRE), the High-Speed Rail, affordable housing support programs, public transit funding, and other climate investments. Poor performance in early 2026 stymied optimism that the reauthorized program could adequately support prior commitments to GGRF-dependent projects and programs. As such, impacted stakeholders pressed the Legislature and Administration to avoid using volatile auction proceeds as a substitute for stable General Fund support. The final enacted spending plan provides important resources but also leaves investment programs competing for a limited pool of revenue. August auction proceeds showed an uptick in quarterly auction settlement prices, signaling growing market confidence amid greater regulatory certainty, but members of the Legislature have already expressed a willingness to take a closer look at GGRF revenue streams.

California Air Resources Board Regulation Updates

At the outset of the year, the California Air Resources Board (CARB) advanced major updates to the Cap-and-Invest system, which modified allowance budgets, cost-containment mechanisms, and industrial assistance, including a Manufacturing Decarbonization Incentive supported by a limited pool of incentive allowances. During public comment, stakeholders warned that the structure could reduce near-term auction revenue available for the GGRF, while CARB emphasized the need to align its programming with the state's longer-term emissions targets and protect trade-exposed industries.

Ultimately, CARB adopted the regulatory package in May and transmitted the final rulemaking to the Office of Administrative Law in July. Auction proceeds, allowance prices, and final implementation guidance will determine how much funding is actually available for climate, housing, transit, and other programs, and whether the new industrial incentives achieve their

intended emissions reductions. Though, the LAO estimates that CARB's changes will result in \$2 billion less for programs that auction proceeds fund. Tables with expected outlays are below:



Note: AHSC original SB 840 amount combines \$560 million (Affordable Housing) and \$240 million (Sustainable Communities) for a total of \$800 million.

Note: Totals include all programs listed. LCF did not have an original SB 840 allocation.

LABOR & PUBLIC EMPLOYMENT

Public Retirement Policy

Far and away, one of the most watched measures impacting local agencies in 2026 was [AB 1383 \(McKinnor\)](#), which would make one of the more significant amendments to PEPRAs since its 2013 enactment. Through a few rounds of amendments, the bill adds a fourth safety-member retirement formula (3% at age 55, alongside the existing 2%, 2.5%, and 2.7% at age 57 options), lowers the safety retirement age from 57 to 55, raises the PEPRAs pensionable-compensation cap toward the higher federal limit used for tax-qualified plans, and allows an employer and its safety employees to negotiate formula upgrades and member cost-sharing through a memorandum of understanding. The changes would apply to service performed on or after January 1, 2027.

The bill has been cited by supporters as a recruitment and retention tool following years of PEPRAs-driven benefit reductions, namely in the public safety space. Throughout the year, a coalition of local government associations has opposed the proposed changes over new annual normal-cost contributions estimated in the hundreds of millions of dollars and billions in added present-value liability layered onto CalPERS' existing unfunded liability. In July, the Department of Finance announced its opposition to the measure because it "unwinds" PEPRAs objectives, safeguards, and cost containment guardrails, and it would create a potential inequity between

safety and non-safety members. The Department notes the bill raises the pensionable-compensation cap through a two-step change: resets the calculation base from 2013 to the 2027 federal Social Security 430(b) limit and raises the applicable percentage for members outside Social Security from 120% to 135%, while separately lowering the safety retirement age from 57 to 55 across three existing formulas and adding the fourth, noted earlier. Setting aside the fourth tier, Finance estimates the changes add \$4.8 billion in present value of future benefits and \$282 million in first-year normal cost contributions system-wide across CalPERS. If the fourth tier is adopted, Finance projects an additional \$353 million in annual normal cost and \$3.4 billion in present value of benefits, including normal-cost increases of 5.51 percent for the State Safety plan, 2.18 percent for State Peace Officers and Firefighters, and 1.14 percent for the CHP plan. For the 20 counties operating under the 1937 Act, Finance cites a SACRS estimate that a single medium-sized county could see present-value liability rise by more than \$700 million over 30 years, or roughly \$20 million more annually in safety-plan contributions, several of which have told Finance they cannot absorb increases of that scale. Finance also points out that PERF is only 79 percent funded as of June 30, 2025, that the bill would deepen that shortfall and expose plans to greater contribution volatility tied to investment performance, and that enhancing benefits only for safety classifications, combined with a compensation cap and normal cost that apply uniformly across a bargaining unit regardless of individual pay, risks having lower-compensated members effectively subsidize the richer benefits accruing to their higher-paid counterparts.

The bill continued to move through Senate committees into the final weeks of Session, clearing a policy committee unanimously in June, the suspense file in early August, and Senate floor amendments concurred in on August 30, so its scope was still in motion as adjournment approached. Post-enrollment, advocacy against the bill has shifted to the Governor's office, supported by arguments made by his Administration's Department of Finance.

SELECTED LABOR & PUBLIC EMPLOYMENT BILLS		
BILL	SUMMARY	STATUS
AB 187 (Budget)	Extends goat-herder/sheep-herder wage parity through January 1, 2029, and funds a follow-up wage study.	Signed into law.
AB 1198 (Haney)	Revises how prevailing wage updates apply to certain public works contracts by extending new wage determinations to large contracts and creating a faster process to challenge those rates.	Pending Governor's signature or veto.
AB 1383 (McKinnor)	Adds a fourth PEPR safety retirement formula (3% at 55), lowers the safety retirement age to 55, and raises the pensionable-compensation cap; opposed by the Department of Finance.	Pending Governor's signature or veto.
SB 577 (Laird)	Raises the evidentiary standard for childhood sexual assault claims against public entities filed by plaintiffs 40 or older, sets filing deadlines for claims tied to specified closed juvenile facilities, and adjusts bad-faith litigation and bond-validation procedures.	Pending Governor's signature or veto.

Artificial Intelligence & Data Centers

Artificial intelligence (AI) policy ranging from consumer protection and privacy to government operations and physical infrastructure ramped up in 2026 as AI tools became more prevalent across industries, and the nationwide development of data centers shifted public sentiment about transparency and local impacts. The Administration also announced a partnership with Anthropic that makes Claude tools available to state and local government entities at a 50 percent discount, accompanied by workforce training and technical assistance. The offer may reduce acquisition costs, but agencies should still conduct procurement, cybersecurity, privacy, accessibility, records retention, labor, and human oversight reviews before deployment.

The rapid expansion of data centers produced a related set of resource and ratepayer bills. [AB 2619 \(Papan\)](#) requires specified reporting of projected and annual water use to cities, counties, and water suppliers. [SB 886 \(Padilla\)](#) seeks to protect non-data-center customers from utility infrastructure costs attributable to large data centers. [SB 887 \(Padilla\)](#) would streamline CEQA and judicial review for qualifying data center and geothermal projects that meet defined conditions. These measures illustrate the policy tradeoff between attracting high-value technology investment and protecting water, energy, and community resources. After Monterey Park's successful ballot initiative, several other cities in California have explored the possibility of a permanent ban on data center construction, marking the increasing backlash to data centers located in local communities. We expect to see additional legislation regarding data center zoning in the next legislative session.

Several other bills introduced and passed this year aim to protect employees from having certain job duties replaced by artificial intelligence. [SB 947 \(McNerney\)](#) would prevent AI from independently deciding to fire or discipline workers and ensure workers receive greater transparency when AI is used. It would also allow workers to obtain the data that AI used in certain adverse employment decisions. [SB 951 \(Reyes\)](#) requires employers to provide significant advance notice and worker protections when AI or automation causes substantial layoffs or hiring reductions. [AB 2656 \(Petrie-Norris\)](#) similarly would mandate notices for public employees when AI preforms specific services currently performed within union-represented job classifications. [AB 1883 \(Bryan\)](#) would create a new set of statewide rules governing how California employers may use workplace surveillance technologies and the employee data those technologies collect. The bill is primarily aimed at limiting the use of AI-powered monitoring systems that make inferences about workers or collect highly sensitive personal information. Specifically, the bill would prohibit facial recognition, gait recognition, or emotion recognition technologies outright and ban employers from using surveillance tools to infer protected characteristics. An employer that violates the law could face civil penalties of up to \$500 per employee for each violation.

SELECTED ARTIFICIAL INTELLIGENCE & DATA CENTER BILLS		
BILL	SUMMARY	STATUS
AB 2619 (Papan)	Requires data centers to report projected and annual water use to cities, counties, and water suppliers.	Pending Governor's signature or veto.
SB 886 (Padilla)	Requires the CPUC to establish a separate electricity rate for large data centers to prevent cost-shifting onto other ratepayers.	Pending Governor's signature or veto.
SB 887 (Padilla)	Eliminates categorical CEQA exemptions for data centers while creating an expedited review path for zero-carbon, grid-beneficial facilities.	Pending Governor's signature or veto.
SB 947 (McNerney)	Bars employers from relying solely on automated decision systems to fire or discipline workers.	Pending Governor's signature or veto.
SB 951 (Reyes)	Requires 90 days' advance notice before AI- or automation-driven layoffs affecting 25% or more of a workforce.	Pending Governor's signature or veto.
AB 2656 (Petrie-Norris)	Requires 45 days' notice to recognized employee organizations before a public agency deploys AI to perform bargaining-unit work.	Pending Governor's signature or veto.
AB 1883 (Bryan)	Prohibits AI-powered workplace surveillance tools from collecting neural data or inferring emotional state.	Pending Governor's signature or veto.

WILDFIRE LIABILITY & INSURANCE

Wildfire Liability Proposal

Wildfire liability reform was one of the most closely watched issues of the session, following weeks of negotiation between the Governor's Office, legislative leadership, and a broad coalition of local government associations, including CSAC and the League of Cities, who raised significant concerns earlier this summer about proposed cost shifting onto public agencies and local taxpayers.

After lengthy negotiation, the final compromise moved forward as [SB 492 \(Becker and Petrie-Norris\)](#). This is a genuinely positive outcome for local agencies as the final bill does not include any of the local agency cost-shifting provisions that had drawn opposition earlier in the process.

Specifically, the final bill does the following:

- Preserves full cost recovery for public agencies. The bill does not include a diminution in value standard, so cities, counties, and special districts can continue to recover the actual cost of rebuilding damaged infrastructure rather than its depreciated value.
- Bars utility executive bonuses in any year their company causes a significant wildfire.
- Keeps the Wildfire Fund in place. The state's \$18 billion Wildfire Fund, funded jointly by ratepayers and utility shareholders, remains intact to support claims going forward.

- Creates a Fast Pay program for survivors, without cutting off legal rights. Survivors retain the right to file suit and conduct discovery first, with only a limited stay applying afterward while the Fast Pay process is completed.
- Blocks hedge fund profiteering. The bill restricts the sale of claims and subrogation rights to hedge funds seeking to profit from wildfire recovery.

For local public agencies, the practical result would have been that the core protections cities and counties advocated for throughout this process were preserved. Public agencies retain the ability to recover the actual cost of rebuilding infrastructure damaged by utility caused wildfires, not a reduced amount based on depreciated value, which matters because fire stations, bridges, and other public facilities are often decades old and carry little accounting value on paper despite being essential and expensive to replace. The continuation of the Wildfire Fund also matters directly to local agencies, since it keeps a dedicated, utility and ratepayer funded source of recovery in place rather than leaving public agencies to rely solely on litigation or federal disaster assistance. That distinction is significant given that FEMA reimbursement has proven slow and unreliable for many California jurisdictions, with some counties still waiting years for payments tied to past disasters and taking on debt to bridge the gap. Because the vast majority of local government revenue is already committed to essential services, cities and counties have little ability to absorb these costs on their own if utility recovery were curtailed. In preserving full cost recovery, SB 492 ensures local agencies are not left to shoulder wildfire response and rebuilding costs that utilities, not taxpayers, are responsible for.

Ultimately, the Assembly did not hear the compromise proposal in the final hours of the extended Session into the morning of September 1, effectively ending consideration of any broad-based wildfire liability reform. It is yet to be determined if there will be a Special Session convened to address this issue. Nonetheless, wildfire liability allocation will be a predominant priority in 2027.

Insurance Commissioner-Sponsored Legislative Package

Insurance Commissioner Ricardo Lara sponsored two major pieces of disaster recovery legislation this session, both introduced in direct response to the January 2025 Los Angeles wildfires and the widespread consumer complaints about claims handling, delays, and unresolved smoke damage that followed.

[SB 876 \(Padilla\)](#), the Disaster Recovery Reform Act, is a comprehensive overhaul of California's post disaster insurance claims process. The bill requires every insurer to maintain a formal disaster recovery plan for handling claims during emergency situations and doubles penalties for violations of insurance fair claims practices and settlement law during a declared emergency. It mandates restitution to policyholders and directly targets one of the most common consumer complaints from the LA fires, the repeated reassignment of adjusters that left homeowners starting over multiple times during a single claim. On payouts, the bill expands Additional Living Expenses policy limits by 100 percent during a declared disaster and requires insurers to make prompt, upfront payment of both Actual Cash Value and full structure replacement cost following a total loss, with interest owed if payment is late. The bill also addresses underinsurance directly, requiring residential insurers to offer a minimum of 50 percent extended replacement cost coverage to all policyholders, provide updated cost estimates at every policy renewal, and apply mandatory building code upgrade coverage at the time of rebuild rather than at the time of the original loss.

[AB 1795 \(Gipson\)](#), the Smoke Damage Recovery Act, is the nation's first enforceable public health and insurance claims standard specifically for smoke damaged homes, an area Commissioner

Lara has described as a decades long gap in state and national regulation. The bill requires the California Environmental Protection Agency, in coordination with other state agencies and local public health departments, to develop science-based standards for sampling, testing, and chemical screening of residential properties damaged by wildland urban interface fire or urban conflagration smoke, with those standards due by June 30, 2027. It authorizes CalEPA, CAL FIRE, or a city or county public health or safety agency to designate a smoke exposure zone tied to a specific wildfire, which would supersede the statewide default zones and allow CalEPA to impose additional sampling, testing, or screening requirements specific to that fire. The bill also directs the development of uniform insurance claims handling practices and restoration protocols, health-based guidelines for determining when a home is safe for families to return, and clear designation of which state and local agencies are responsible for implementation and enforcement. To support this work, AB 1795 establishes the Wildfire Remediation Certification and Training Fund, funded through fees on the training and certification program the bill creates, and importantly, allows survivors to rely on local public health standards for smoke testing and restoration in the near term while the statewide standards are still being finalized, so families are not left waiting for state rulemaking to complete before beginning remediation. AB 1795 grew out of a Smoke Claims and Remediation Task Force that Commissioner Lara convened in May 2025, bringing together CAL FIRE, public health experts, restoration specialists, and survivor groups to identify the standards needed.

Both bills gained renewed urgency this summer following the Department of Insurance's enforcement action against State Farm, which found 398 violations of state law across a sample of 220 wildfire claims, including failures to investigate, accept, deny, or pay claims within legally required timeframes. Commissioner Lara has framed both measures as part of a broader effort that has already produced results, with the Department reporting 22.4 billion dollars distributed to LA fire survivors since January 2025 and 94 percent of more than 42,000 policyholder claims fully or partially resolved.

Zone 0 Regulations Adopted & Advanced

Wildfire policy again linked land use regulation, utility liability, emergency response, and insurance availability this session. In August, the Board of Forestry and Fire Protection approved the state's first Zone 0 defensible space standards, capping off a process directed by AB 3074, SB 504, AB 1455, and the Governor's Executive Order N-18-25. The rule still needs to clear Office of Administrative Law review and be published by the Secretary of State, including a short public comment window, before it formally takes effect.

Once effective, the standards will apply to properties in the State Responsibility Area and in Very High Fire Hazard Severity Zones within Local Responsibility Areas. They establish two nested requirements in the five feet immediately surrounding a structure: a non-combustible zone directly adjacent to the structure and under the eaves, and a broader low-combustibility zone extending to the full five-foot perimeter. Compliance is required immediately for new construction once the rule takes effect. Existing homes receive a phased timeline, with combustible material removal, gutter cleaning, and vegetation maintenance due within three years, and more involved work such as eave zone construction and fencing or gate replacement due within five years. Local jurisdictions will set the specific compliance schedule within that window and retain the option to adopt local alternative standards in place of the state defaults, provided those standards are coordinated with the local fire agency, achieve equivalent or more stringent fire safety outcomes, and receive formal council or board approval.

For local agencies, Zone 0 will require sustained coordination among fire officials, building departments, code enforcement staff, property owners, and insurers. Education and phased compliance will matter most for existing homes, where landscaping, fencing, decking, and storage practices may conflict with the new standards, and agencies that want to pursue a local alternative standard should begin coordinating with their fire agency well before any state default timeline takes hold. Because Zone 0 applies specifically to Very High Fire Hazard Severity Zone designations, agencies whose jurisdictions were newly captured by the 2025 statewide fire hazard map update should expect new compliance obligations to land on parcels that were not previously subject to defensible space requirements at all, and should plan outreach accordingly. The regulations may also affect local permit review and community wildfire protection planning, and agencies should watch for any funding, grant, or rebate mechanisms the state develops to support implementation, since none have been finalized to date.

SELECTED WILDFIRE LIABILITY & INSURANCE BILLS		
BILL	SUMMARY	STATUS
SB 492 (Becker and Petrie-Norris)	Would have preserved full cost recovery for public agencies, kept the Wildfire Fund intact, and barred utility executive bonuses tied to wildfires.	Failed to advance.
SB 876 (Padilla)	The Disaster Recovery Reform Act — overhauls the post-disaster insurance claims process and expands Additional Living Expense and replacement-cost protections.	Pending Governor's signature or veto.
AB 1795 (Gipson)	The Smoke Damage Recovery Act — establishes the nation's first enforceable smoke-damage testing and remediation standards.	Pending Governor's signature or veto.

LOCAL GOVERNMENT & ELECTIONS

Public Meetings & Public Records

The Legislature revisited several 2025 transparency mandates that had raised cost and implementation concerns for local agencies, namely [SB 707 \(Durazo\)](#), which instituted new translation, remote participation, and public access requirements for specified legislative bodies. Upon passage of SB 707, Senator Durazo committed to readdressing comments raised on her original legislation this year. [SB 1187 \(Durazo\)](#) took shape in 2026 as the vehicle for SB 707 clean-up. Specifically, SB 1187 removes selected requirements related to electronic agenda fulfillment and agenda translation or interpretation for eligible bodies, while still retaining remote public participation provisions.

[AB 2341 \(Fong\)](#) clarifies which languages local agencies must translate pursuant to 2023's AB 1638's requirements.

In an age of ample local public comment and Public Records Act (PRA) requests, legislators took note of the increased activity of bots and AI-generated public comments and PRA requests, which served as the impetus for [SB 1159 \(Cabaldon\)](#), as well as the often arduous PRA request process, which breathed life into [AB 1821 \(Pacheco\)](#).

SB 1159 clarifies that AI systems, autonomous agents, and robots do not qualify as a "person," "participant," or "member of the public" under the Public Records Act, the Brown Act, the Bagley-Keene Act, the Political Reform Act, the Administrative Procedure Act, or CEQA. The bill followed a widely reported episode in which tens of thousands of AI-generated comments were submitted to a Southern California air district and were credited with influencing the agency's decision to abandon a gas-appliance phase-out proposal. It passed with broad, largely bipartisan support and will give agencies clearer footing to distinguish organic public comment from automated submissions in the record, though verifying authorship at scale remains an open operational question.

In a similar vein, AB 1821 began as a broader rewrite of Public Records Act response and fee provisions, including proposed fee-shifting for high-volume "commercial" requesters and a path for agencies to seek relief from "malicious" requests, before receiving pushback from various organizations. The version that advanced through the Senate, and ultimately sent to the Governor, is narrower, mainly converting the initial records-response deadline from calendar days to business days to give agencies a more workable turnaround on a growing volume of requests.

Voting Rights & Local Revenue

Substantial revisions to the California Voting Rights Act, including a complete repeal and replacement, were proposed in [SB 1164 \(Cervantes\)](#), to form the "California Voting Rights Act of 2026." Among other changes, it would have broadened standing to include the Attorney General or any aggrieved party, create a 45-day window for a jurisdiction to resolve a vote-dilution allegation before suit can be filed, and add a preclearance-style review track for jurisdictions with a recent record of discrimination findings, responding in part to the U.S. Supreme Court's *Louisiana v. Callais* decision narrowing federal vote-dilution protections. Notably for cities and counties that shifted from at-large to district-based elections under the 2001 CVRA's safe harbor from further suit, SB 1164 would have reopened that safe harbor to new litigation.

Coming out of the Assembly Appropriations Committee, the author agreed to substantial amendments that encouraged local government organizations to remove their opposition. Specific amendments particularly addressed the potential exposure for cities that have already transitioned to district-based elections, the treatment of hybrid systems that include a citywide elected mayor, and the risk that the existence of an at-large system could be treated as sufficient evidence of a violation. Instead of repealing and recasting the original CVRA, the final version revised and expanded the CVRA with a state voting rights act that seeks to protect voters from voter suppression and vote dilution.

Separately, the Legislature placed [ACA 22](#) on the November ballot as Proposition 43, in a negotiated compromise under which the Howard Jarvis Taxpayers Association agreed to withdraw a broader citizen initiative and legislative leaders dropped a competing constitutional amendment. Proposition 43 would apply a higher vote threshold for citizen-initiated local special taxes to pass, requiring the same two-thirds vote already required for special taxes placed on the ballot by a governing body. If approved, the change applies only prospectively, to measures qualifying on or after January 1, 2027, and would not disturb taxes already approved. Local agencies that rely on citizen-initiated revenue measures for parks, libraries, transit, or public safety should factor the pending two-thirds threshold into 2027 planning regardless of the outcome, given the broader trend toward tightening both the legislative and initiative paths to new local revenue, especially considering this has been a recurring effort at the ballot box.

SELECTED LOCAL GOVERNMENT & ELECTIONS BILLS		
BILL	SUMMARY	STATUS
AB 643 (Wilson)	Permits local jurisdictions to count organic material used as a beneficial agricultural amendment for up to 10% of their recovered organic waste procurement target.	Pending Governor's signature or veto.
AB 1786 (Harabedian)	Authorizes additional entities use best value contracting, reduce the dollar threshold for eligible projects, and extend the existing sunset date to January 1, 2032.	Pending Governor's signature or veto.
AB 1821 (Pacheco)	Narrowed from a broader fee/response-time overhaul to mainly converting the initial Public Records Act response deadline from calendar days to business days.	Pending Governor's signature or veto.
AB 2529 (Johnson)	Requires a signed declaration of accuracy on Government Claims Act filings to curb questionable claims against public entities.	Pending Governor's signature or veto.
SB 1159 (Cabaldon)	Clarifies that AI systems, autonomous agents, and robots are not a "person" or "member of the public" under the Brown Act, the Public Records Act, and related open-government statutes.	Pending Governor's signature or veto.
SB 1164 (Cervantes)	Revises and expands the 2001 California Voting Rights Act (paired with SB 1360) to address voter suppression and vote dilution, with amendments addressing local government exposure concerns.	Pending Governor's signature or veto.
SB 1187 (Durazo)	Repeals the July 1, 2026 agenda-translation and electronic-fulfillment mandates created by SB 707, while retaining remote-participation requirements.	Pending Governor's signature or veto.
ACA 22 (Wicks)	Would raise the vote threshold for citizen-initiated local special taxes to two-thirds, prospectively from Jan. 1, 2027.	Placed on the November 2026 ballot as Proposition 43.

Technical Planning, Permitting, and Inspection Legislation

Beyond the year's major housing production and zoning proposals, the Legislature continued to focus on the technical processes that occur after a project is approved, including plan review, permitting, and building inspections. Although these measures received less public attention than broader land-use legislation, they could require significant operational changes for local planning and building departments.

[AB 1621 \(Wilson\)](#) became one of the year's most significant housing fights for local governments. The measure sought to further restrict local review of post-entitlement permits, including building, grading, demolition, and other approvals required after a housing project has received its land-use entitlements.

As introduced, the bill raised serious concerns about whether cities and counties would retain sufficient authority to ensure that projects complied with building codes, locally adopted standards, and health and safety requirements. Local government organizations emphasized that incomplete or noncompliant applications frequently require additional review and that rigid limitations could prevent building officials from identifying and correcting legitimate problems.

Following sustained opposition and negotiations, AB 1621 was significantly amended. Most notably, the bill removed a proposed limit that would generally have prohibited agencies from conducting more than two rounds of plan review. The amendments also preserved greater authority for building officials to require changes when an approved plan could not reasonably be interpreted as complying with applicable standards or when a deviation was necessary to address a specific adverse impact on public health or safety. Although the measure continued the broader trend toward stricter permitting timelines and expanded enforcement under the Housing Accountability Act, the amendments addressed several of the most consequential local agency concerns.

[AB 1738 \(Carrillo\)](#) similarly focused on local building department operations by requiring certain cities and counties to offer remote virtual inspections for specified residential improvements involving single-family and duplex properties. Eligible inspections would include certain heat-pump systems, reroofing projects, small residential solar installations, energy-storage systems, and smoke and carbon-monoxide detectors.

Local agencies raised concerns that a statewide mandate could limit the discretion of building officials to determine when an in-person inspection is necessary to verify code compliance and protect public safety. The bill was substantially amended in response. The revised proposal exempts cities with populations below 5,000 and counties with populations below 150,000, including cities located within those counties. It also delays implementation until 2028, removes accessory dwelling units and several other categories of work from the mandate, and gives inspectors greater authority to terminate a virtual inspection and require an in-person visit when compliance cannot be adequately verified remotely.

The measure also requires homeowner consent when a contractor requests a remote inspection and preserves the ability of local agencies to adopt more permissive virtual-inspection programs. These changes provided considerably more flexibility than earlier versions of the bill, although the proposal would still establish new statewide requirements for the day-to-day administration of local building inspections.

Together, AB 1621 and AB 1738 demonstrate that the state's housing focus has expanded beyond zoning and project entitlements. Lawmakers are increasingly examining each stage between project approval and occupancy and imposing new timelines, procedures, enforcement mechanisms, and technology requirements intended to accelerate construction. For cities and counties, these technical measures may carry significant staffing, training, technology, legal, and administrative implications even when they do not directly change allowable land uses or residential densities.

Budget Junior Makes Major Investments in California's Water Resilience

AB 113 (Gabriel) (Budget Bill Jr.) appropriates a total of \$2.66 billion from Proposition 4, the Safe Drinking Water, Wildfire Prevention, Drought Preparedness, and Clean Air Bond Act of 2024.

Of that amount, \$1.05 billion is dedicated to Safe Drinking Water, Drought, Flood, and Water Resilience, including \$100 million for the Safe and Affordable Funding for Equity and Resilience (SAFER) program, \$12.4 million for Tribal Water Infrastructure, and \$64 million for the Multi-benefit Land Repurposing Program to support groundwater sustainability projects. The bill also provides \$68 million for regional conveyance projects and repairs, including \$30 million to address subsidence affecting State Water Project canals, and \$75 million for flood management projects in the Sacramento-San Joaquin Delta, including \$30 million for Delta levee repairs. Additional investments include \$146.1 million for State Plan of Flood Control projects, \$23 million for wildlife refuges and wetland habitat areas, and \$8 million in grants to help small farmers comply with the Sustainable Groundwater Management Act.

BILLS AFFECTING WATER DISTRICTS		
BILL	SUMMARY	STATUS
AB 306 (Schultz)	Would authorize any person adversely affected by a decision of a local enforcement agency with the authority to enforce a state building standard to appeal the issue for resolution by the CBSC and would require local agencies to post on their websites any written rules and regulations that clarify the application of the Code.	Enrolled
AB 1383 (McKinnor)	Would modify the Public Employees' Pension Reform Act of 2013 to increase pensionable compensation caps, defined benefit retirement formulas, and contribution cost sharing.	Pending Governor's signature or veto.
AB 1621 (Wilson)	Generally prohibits a local or state agency from requiring or requesting more than two plan-check and specification reviews for a building permit application and authorizes denial after two reviews when an application remains noncompliant.	Pending Governor's signature or veto.
AB 1894 (Rubio)	Would prohibit a public agency from prohibiting imported water deliveries for groundwater replenishment due to invasive mussels, if the importation complies with a specified invasive mussel control plan and unless there is substantial, documented evidence of a proven health and safety risk as a result of the invasive mussels.	Pending Governor's signature or veto.
AB 2180 (Ward)	Clarifies how water agencies comply with Proposition 218 when setting water rates. The clarification would provide predictability for agencies, support California's water-use conservation goals, and help minimize unnecessary legal disputes over water rates.	Pending Governor's signature or veto.
AB 2619 (Papan)	Requires data centers to provide estimates of their expected water use and to report their annual water use.	Pending Governor's signature or veto.
AB 2739 (Soria)	AB 2739 establishes the Water Affordability and System Stabilization Fund to support investments in water infrastructure and low income water rate assistance	Pending Governor's signature or veto.

AB 2777 (ESTM)	Would make several tweaks to the Water Board's authority for administration of the Clean Water State Revolving Fund (CWSRF) loan program. The tweaks to the statute are intended to modernize the program by providing the Board more flexibility in the loan products they are allowed to offer.	Pending Governor's signature or veto.
SB 1125 (Menjivar)	Would establish a statewide low-income water rate assistance program. This program is designed to be workable and efficient for public water agencies that will play a key role in administering it.	Pending Governor's signature or veto.
SB 1153 (Caballero)	Would clarify the limited role of public water systems during wildfires while strengthening emergency preparedness in high-risk areas.	Pending Governor's signature or veto.
SB 1164 (Cervantes)	Would amend the California Voting Rights Act of 2001 (CVRA) with a new state voting rights act. The bill passed the Assembly Appropriations Committee with amendments to revise, instead of replace, the Voting Rights Act, and extends the time period a political subdivision has to pass a resolution of intent.	Pending Governor's signature or veto.

LOOKING AHEAD

New Incoming Executive Administration

Democrat Xavier Becerra and Republican Steve Hilton advanced to the November runoff to succeed termed-out Governor Newsom, with independent polling in August showing Becerra with a substantial lead. The two offer sharply different postures on issues that bear directly on voter sentiment: Becerra has signaled openness to revisiting the state's climate targets in the name of affordability and has floated a state of emergency to freeze utility and insurance rates, while Hilton has pledged to roll back clean-energy mandates, expand fossil fuel production, and reduce the regulatory footprint of state climate programs. Whoever prevails will inherit the state's structural budget imbalance, Cap-and-Invest implementation, a new slough of legislative proposals, and would direct agencies amidst the creation of new agencies during a time of great administrative change.

November 2026 Ballot

Beyond the Governor's race, several November measures carry direct implications for local agencies. Proposition 1 ([SB 417](#)) would authorize an \$11.25 billion housing and veterans bond, including \$200 million for the Local Housing Trust Fund Program that cities, counties, and regional housing trusts can apply for directly. Proposition 2 would revise the state's Rainy Day Fund. Proposition 43 ([ACA 22](#)) would raise the vote threshold for citizen-initiated local special taxes, as discussed above. Proposition 45, a citizen initiative rather than a legislatively referred measure, would substantially rework CEQA for a defined set of housing, transportation, water, and health projects, imposing a 365-business-day limit on environmental review, tightening court timelines for legal challenges, and narrowing tribal consultation and public-comment procedures. Recent polling has shown strong public support, and the outcome would meaningfully affect how local agencies process CEQA review and defend project approvals going forward.

Cap-and-Invest Funding Allocations

CARB's May regulatory package now sits with the Office of Administrative Law, and the practical stakes for GGRF beneficiaries will play out over the coming year rather than in any single vote. Auction results, final implementation guidance, and allowance pricing through 2027 will determine how much GGRF revenue remains for the climate, transit, and community investment programs many agencies depend on. Given the volatility already seen in 2026 auction performance, expect continued legislative interest in revisiting how GGRF revenue is allocated and whether the state should backstop priority programs with more stable General Fund support.

Community Reinvestment

An original, pre-amendment version of [AB 801 \(Bonta\)](#) would have established a California-level Community Reinvestment Act (CRA), extending CRA-style affirmative lending obligations beyond federally chartered banks to state-chartered banks, credit unions, and other non-traditional financial institutions, with new assessment and data-reporting requirements administered by the Department of Financial Protection and Innovation and civil penalties for institutions that fail to meet their obligations. The bill was reinvented through the Session, yet the original proposal may be revisited when the Legislature reconvenes. If so, it is worth tracking for those that maintain banking or depository relationships with state-chartered institutions, or that are exploring public-bank or municipal-finance options of their own.



PUBLIC AFFAIRS

Government Affairs Report

Prepared for the
East Orange County Water District Board of Directors

August 10th, 2026

OC LAFCO:

- There was no Commission meeting in July.

COUNTY OF ORANGE:

- Prima Deshecha Landfill-
 - One of the county's largest environmental nonprofits has waded into the fight over the proposed landfill expansion. The Center for Biological Diversity is an environmental activist organization with a litigious history and over 1.8 million members. The Center has communicated its concerns over the impact the proposed expansion would have on local mountain lions and the age of the environmental study used to justify the expansion. According to the Center, the most recent study was completed in 2007 and does not reflect the current state of the local mountain lion population. In a letter to the County, the Center implied that litigation is imminent if its demands were not met.
 - Orange County Waste & Recycling has paused the CEQA process related to increasing the daily maximum trash intake of the landfill. San Juan Capistrano and San Clemente residents continue to oppose the plan. They have successfully obtained the support of several state legislators who have signed an opposition letter opposing the proposed increase.
 - In June, the Prima Deshecha landfill became the first municipal solid waste landfill in California and the second in the nation to earn certification as an OSHA Cal/VPP site. This is the highest level of recognition in the Voluntary Protection

Program (VPP) and fewer than 1% of worksites in the country achieve this designation.

- Herbicide use in San Juan and Trabuco creeks-
 - In June, the County Board of Supervisors voted to halt the use of herbicides in both creeks and directed staff to study alternative methods of vegetation control which take into consideration the presence of endangered species and their habitat. Planned physical vegetation removal from creek banks and beds was paused until the County concludes meetings with State Fish and Wildlife representatives.
 - The herbicide controversy has attracted national attention due to the potential impacts that herbicide use has on cancer clusters. Ladera Ranch Middle School hosted hundreds of Orange County residents at a meeting to address the issue to the Ladera Civic Council. This attention has risen dramatically based on news reports of multiple young Ladera Ranch residents who have been diagnosed with or died from Ewing's Sarcoma, a rare form of cancer. Federal State and Local authorities are reportedly investigating the issue.

ORANGE COUNTY SANITATION DISTRICT (OC San):

- Ocean Outfall Rehabilitation Project-

OCSan has approved a progressive design build project to rehabilitate both ocean outfalls. Project construction is scheduled to begin this year and will start with essential rehabilitation of the short outfall. Once work on the short outfall is completed work will commence on the long outfall. This schedule allows the short outfall to be available while the rehabilitation of the long outfall is completed. The project will address issues related to age, strength, performance and compliance with current regulations.
- General Manager Contract-

The Board of Directors approved a contract renewal including a 4.5% salary and range adjustment. This increase is consistent with that given to other employee groups at OC San.

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA (Met):

- Colorado River and Lake Mead Agreement-

In July the Met board of directors approved an agreement with the U.S. Bureau of Reclamation to leave up to 200,000 acre-feet of Colorado River water in Lake Mead. The Bureau will pay Met \$325 per acre-foot and up to \$65 million total for this water. As

part of the agreement Met approved the Quechan Tribe and Bard Water District to send up to 19,000 acre-feet of conserved agricultural water to the lake in 2027 and 2028. These agreements are part of a larger statewide agreement in which California agreed to reduce its use of Colorado River by approximately 12% through 2028 in order to avoid even harsher cuts which could have been imposed by the federal government.

MOULTON NIGUEL WATER DISTRICT (MNWD):

- On July 27th, former MNWD General Manager Joone Kim-Lopez began her role of Executive Director and General Manager of the City of Los Angeles Bureau of Sanitation. We expect that the MNWD Board will appoint Assistant General Manager Matt Collings as the new General Manager at its August 13th meeting.

IRVINE RANCH WATER DISTRICT (IRWD):

- Director John Withers Resignation-

After 37 years of Board service, IRWD Division 1 Director John Withers announced his resignation in early August. Director Withers was appointed in 1989 his current term ends in 2028. This leaves a vacancy which will likely be filled by an appointment by the Board. Director Withers also served as a Partner at California Strategies and on the OCSan Board of Directors including one year as the 2021-2022 Chair of OC San. Mr. Withers is a recognized expert on strategic communication, water policy and government relations and is retiring to spend time with his family.

CITY OF TUSTIN:

- Water Well Rehabilitation Program-

On August 4th the Tustin City Council approved plans and specifications for the rehabilitation of Main Street Well No. 3 and Newport Well No. 3 and authorized the City Clerk to receive bids. The engineer's estimate for both wells is \$730,000. The rehabilitation work to be performed includes removal and inspection of the existing pumps and motors and downhole video inspection of the wells. Based on inspection findings further work may include rehabilitation or replacement of pumping equipment, installation of new flow meters and motor-operated valves, electrical and instrumentation upgrades, well testing and development, and associated site improvements. Final phase work will include startup, testing, and commissioning to ensure both wells are ready for operation.

OTHER RELEVANT ITEMS:

- Irvine City Manager Appointment-

On July 28th, the Irvine City Council voted to bring back Sean Joyce to serve as City Manager on a one-year contract starting August 10th. Mr. Joyce previously served as the Irvine City Manager from 2005 to 2018. He has a over 35 years of experience and served for seven years as the City Manager of South Pasadena and two years as the City Manager of Sierra Madre.

- **California Public Utilities Commission (CPUC) -**

City of Norwalk Water Service Area Sale-

Golden State Water Company has filed an application with the CPUC requesting authorization to purchase the Artesia Service Area (ASA) and all of its associated public utility assets from the City of Norwalk for \$5,250,000.

- **South Coast Air Quality Management District (SCAQMD)-**

In June, the SCAQMD convened a working group meeting on Proposed Rule 1110.4, targeting emissions from emergency standby generators. Replacing older diesel units was a primary focus as these units account for approximately 30% of the desired NOx reductions. Facilities such as data centers with over >2.5MW of installed generator capacity will be first to be addressed. A concern for SOCWA and member agencies is that many water and wastewater agencies rely on older generators to provide backup power at critical facilities such as lift stations. The AQMD Governing Board is expected to address the rule closer to the end of the year. We will continue to monitor this issue and are available to assist in communicating the impacts this Rule would have on SOCWA and suggesting changes to mitigate those impacts.



PUBLIC AFFAIRS

Government Affairs Report

Prepared for the
East Orange County Water District Board of Directors

September 10th, 2026

OC LAFCO:

- Commission Re-appointments-
Supervisor Don Wagner and Yorba Linda City Councilmember Peggy Huang were both re-appointed for terms Starting July 1st, 2026 and ending June 30th, 2030.
- On September 9th, the Commission received a report describing regional and local water and wastewater service providers across Orange County which included EOCWD and the member agencies.
- On September 9th, the Commission received a presentation on Santa Margarita Water District planning, water supply, and infrastructure projects including San Juan Capistrano system investments and potential annexation by SMWD of San Juan Capistrano's water and wastewater utilities.

COUNTY OF ORANGE:

- Landfill Tipping Fee Increase-
New tipping fees took effect July 1st all three active landfills in Orange County: Olinda Alpha Landfill in Brea, Frank R. Bowerman Landfill in Irvine, and Prima Deshecha Landfill in San Juan Capistrano. The rate increased from \$43.76 to \$67 per ton, with additional increases scheduled to \$74 per ton in 2027–28 and \$81 per ton in 2028–29. The rates were negotiated over the past two years through the Waste Infrastructure System Enterprise agreements and reflect, among other factors, the cost of complying with Senate Bill 1383.

- Herbicide use in South Orange County-

The herbicide controversy continues to attract national attention due to the discovery that herbicides have been used on parks, landscaping and schools and the potential impacts this use has on cancer clusters of both people and animals specifically pets. Residents are particularly upset to discover that documentation regarding pesticide and herbicide application has been lost, not maintained or never produced and has not reportedly not been provided when requested by the public.

- Dana Point Harbor Agreements-

The Board of Supervisors has authorized staff to execute new Ground Lease Agreements for the hotel, commercial core and marina components, and the drystack component of the Dana Point Harbor Revitalization Project, and the full-service hotel and select-service hotel ground lease forms with Dana Point Harbor Partners (DPHP) and Dana Point Harbor Partners Drystack.

Each resulting new lease will have a 66-year term, which is necessary to secure financing given the multi-year delays with entitlement processing and the pandemic. DPHP indicates that approval of the new leases will allow them to secure financing in the coming months and maintain a targeted hotel opening in 2028, ensuring that the hotels, commercial core, and new marina facilities are operational in time for the Los Angeles Summer Olympics. This schedule positions the County to accommodate elevated regional visitation; support increased economic activity and showcase a fully revitalized harbor to an international audience.

ORANGE COUNTY SANITATION DISTRICT (OC San):

- Sale of Renewable Energy Credits (RECs)-

OCSan is considering the sale of renewable energy credits with an estimated annual value of approximately \$200,000 for 70,000 Credits. The credits are created by renewable energy generated by OC San reclamation plants as part of their regular operations. These RECs have market value and can be sold to other entities seeking to meet renewable energy or sustainability objectives. Buyers may use Credits to offset deficits in compliance with applicable sustainability and regulatory requirements. The excess credits are not necessary to support OCV San's operational, regulatory or sustainability needs. Selling surplus RECs allows OC San to realize value from the unnecessary credits.

- Termination of Confidentiality and Common Interest Agreement (CCI) -

In January 2022, OC San joined the Santa Ana Watershed Project Authority; the Eastern Municipal Water District; the Inland Empire Utilities Agency, OCWD, the San Bernardino

Valley Municipal Water District, and the Western Municipal Water District in initiating a study related to the problems posed by PFAS contamination in the Santa Ana River Watershed. A CCI was established to allow confidential discussion and investigation and action regarding pending and potential claims relating to PFAS contamination. The CCI prevented the parties from discussing the findings obtained through the study. In March 2026, the study was completed. Because the purposes of the CCI Agreement have largely been accomplished, the Parties agree to terminate the CCI in order to discuss the study with additional public agencies and regulators prior to the end of calendar year 2026. The goal of these discussions is to support regulatory decision making and practical solutions for PFAS management. The study may be of interest to other agencies outside of the Santa Ana River Watershed who are seeking solutions to PFAS contamination and in their respective flows.

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA (Met):

- Induction of new Director -

On August 18th, Met inducted Cesar Barrera to represent the City of Santa Ana. Mr. Barrera was appointed by the City Council of Santa Ana on August 4th. He will serve an indefinite term as allowed by MET policy.

- Ad Valorem Tax Rate for FY 2026/27-

On August 18th, the Met Board approved the staff recommendation of the 0.0085 percent Ad Valorem tax rate for FY 2026/27. This is a significant increase from the previous 0.0035 percent rate in effect from 2012 to 2024 and was the lowest rate Met had ever assessed. This vote provides the necessary funding for the biennial budget approved on April 14, 2026, for FYs 2026/27 and 2027/28 which determined that a property tax rate of 0.0085 percent was essential for Met to meet its expenditures.

MOULTON NIGUEL WATER DISTRICT (MNWD):

- General Manager Appointment-

On August 19th, the Moulton Niguel Water District announced the appointment of Matt Collings as General Manager. Mr. Collings has served for over 20 years at the District, most recently as the Assistant General Manager and has previously served on the SOCWA Board.

IRVINE RANCH WATER DISTRICT (IRWD):

- Board Vacancy-

In August IRWD opened the application process for candidates to fill the Board of Directors Division 1 vacancy. This seat represents portions of Irvine, Lake Forest, Orange, and unincorporated Orange County. Potential candidates were required to submit a resume and letter of interest by 5 p.m. on August 31st. The IRWD Board is scheduled to hold a workshop and candidate forum on September 17th to interview applicants and potentially make an appointment. The selected candidate would serve the remainder of the Division 1 term, which runs through November 2028. This will be the fourth time a Board seat has been filled by appointment due to a resignation during the elected term.

OTHER RELEVANT ITEMS:

- **Garden Grove City Manager Retirement-**

After more than a decade with the City of Garden Grove, City Manager Lisa Kim has announced her retirement. Her last day with the City will be November 2nd, 2026. Ms. Kim started work in Garden Grove in 2016 as Community and Economic Development Director and was appointed City Manager in 2023. Ms. Kim's retirement concludes over 30 years in public service, including leadership roles in the cities of Pomona, West Covina and Orange.

- **City of Anaheim Water Pressure Emergency-**

In August, a large portion of the city experienced two significant drops in water pressure which affected major venues including Disneyland and Angel Stadium. These drops resulted in closed restrooms and limited water for cooking and cleaning. The city attributed the issue to difficulty drawing water from four of the city's 14 groundwater wells. Approximately 75 percent of the city's water comes from groundwater wells, with the remainder imported from the Colorado River. Imported water from the Colorado River was increased to make up for a portion of the reduction although it took several hours to regain full pressure. This draw from the river comes as several states and agencies fight over allocations that are still being disputed.

- **Orange County Power Authority (OCPA)-**

The City of Laguna Beach Environmental Sustainability Committee recommended postponing the consideration on joining the OCPA to late 2027. The Committee evaluated the financial, operational, legal, governance, and community implications of joining OCPA and concluded that the risks associated with joining OCPA at this time outweigh the potential benefits. The City Council approved the Committee's recommendation and will revisit the item at a date undetermined.

“ THANKS FOR SAVING
WATER FOR OUR FUTURE.

H₂  ,
YOUR KIDS ”

EOCWD
EAST ORANGE COUNTY
WATER DISTRICT



bewaterwise.com



MEMO

TO: BOARD OF DIRECTORS
FROM: GENERAL MANAGER *dy*
SUBJECT: DIRECTOR'S REPORTS
DATE: SEPTEMBER 17, 2026

Background

Board members represented the District at the following meetings in July and August:

President Murdoch

7/20 EOCWD Engineering & Operations Committee
 7/21 ACWA Projects of Statewide Significance Task Force Meeting
 7/23 EOCWD Regular Board Meeting
 7/24 ACWA Region 10 Board Meeting
 7/29 ACWA Region 10 Pre-Board Discussion Meeting
 7/31 ACWA Board Meeting, Sacramento, CA
 8/5 ACWA SLC Region 10 Prep (CC Leads)
 8/11 ACWA Education Subcommittee
 8/11 ACWA Budget Subcommittee
 8/18 Region 10 Chair & Vice Chair Coordination Meeting
 8/20 ACWA Fall Policy Committee
 8/20 ACWA Groundwater Committee
 8/21 ACWA Region 10 Committee/Reporter Outreach
 8/25 ACWA Finance Committee
 8/27 Yorba Linda Water District Well Signing Ceremony

Vice President Thoms

7/7 ISDOC Executive Committee Meeting
 7/10 Water Advisory Committee of Orange County (WACO)
 7/20 EOCWD Engineering & Operations Committee
 7/24 EOCWD Regular Board Meeting
 7/30 ISDOC Quarterly Luncheon
 8/4 ISDOC Executive Committee Meeting
 8/5-7 CASA Conference in Napa, CA
 8/7 Water Advisory Committee of Orange County (WACO)

Director Davert

7/23 EOCWD Regular Board Meeting

Director Sears

7/10 Water Advisory Committee of Orange County (WACO)

Director Marquez

7/23 EOCWD Regular Board Meeting
 8/19-21 Urban Water Institute Conference

Recommendation

Informational.