



## AGENDA

# EAST ORANGE COUNTY WATER DISTRICT ENGINEERING AND OPERATIONS COMMITTEE MEETING

Thursday, June 15, 2023 at 4:30 P.M.  
185 N. McPherson Road, Orange, California

1. Call meeting to order
2. Public communications to the Committee
3. Additional items arising after posting of agenda

#### Informational Items

4. RZ Well Levels, System Status, and Water Use
5. WZ System Status and Water Use
6. Sewer System Status and Permit Reports

#### Action Items

7. Adoption of Revised Standard Specifications and Drawings for Water Systems
8. On-Call Sewer Rehabilitation (CIPP) Contract Award
9. Cathodic Protection System Rehabilitation
10. OC43 Walnut Vault Replacement Contract Change Order
11. SCADA Phase 3 Preliminary Design Award
12. Treatment Plant Demolition Final Acceptance
13. Proposed FY2023-24 Capital Budget
14. Adjournment

Members of the public shall be permitted to speak as to both agendized and non-agendized items, as reflected in the agenda. Those wishing to speak may submit a speaker request or by verbally indicating their desire to comment at the time the item is called. Additionally, members of the public may, but are not required to, e-mail comments to Sylvia Prado at [sprado@eocwd.com](mailto:sprado@eocwd.com) up to 30 minutes before the Committee meeting, and such comments shall be provided to the Board.

Members of the public wishing to attend the meeting that require disability-related or other reasonable modifications or accommodation to facilitate such attendance should contact Ms. Prado at (714) 538-5815 or the e-mail provided as soon as feasible before the meeting to make such request.

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 Engineering & Operations Committee in connection with a matter subject to discussion or consideration at an open meeting of the Engineering & Operations Committee are available for public inspection in the District's office, 185 McPherson Road, Orange, California ("District Office"). If such writings are distributed to members of the Committee less than 72 hours prior to the meeting, they will be available via phone or email request to Ms. Sylvia Prado at (714) 538-5815 or [sprado@eocwd.com](mailto:sprado@eocwd.com).

# MEMO

**TO: ENGINEERING AND OPERATIONS COMMITTEE**  
**FROM: GENERAL MANAGER**  
**SUBJECT: RETAIL ZONE WELL LEVELS AND WATER USE**  
**DATE: JUNE 15, 2023**

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## Background

This memo serves as cover for the well level report, water use report, and Quarterly PFAS Update from OCWD.

The Well Pumping and Static Water Level Report and RZ Water Use Report will be handed out at the meeting.

## Recommendation

Information Only

## Attachment(s)

Quarterly PFAS Update (OCWD)



# Quarterly PFAS Update

May 2023

PFAS have been detected in the Orange County Groundwater Basin managed by the Orange County Water District (OCWD), which provides 85% of the water supply to 2.5 million people. OCWD and its local water suppliers continue making significant headway on new PFAS treatment facilities with the goal of getting all wells back online by 2024 at a capital cost of \$277 million.



11,061,781,6

9

gallons  
of water  
treated  
to date

\*as of  
3/1/2023



There are **58** impacted wells in Orange County. **6** are in design, **30** are under construction and **22** are now operational.

## Important Happenings

**OCWD Continues  
Advocacy**

OCWD's Jason Dadakis, P.G., C.H.G., Executive Director of Water Quality and Technical Resources, visited Washington D.C. in February for an important congressional PFAS briefing to examine the implications of PFAS policymaking.



OCWD is proactively and swiftly addressing the impacts of PFAS in the Orange County Groundwater Basin. Estimating \$1 billion in costs over the next 30 years, OCWD is committed to advocating that PFAS cleanup costs should be borne by the companies that created PFAS, not water and wastewater agencies and their ratepayers.

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## OC Water Provider Highlight

The City of Fullerton is constructing the first PFAS treatment facility in Orange County to use the Granular Activated Carbon (GAC) technology.



The GAC facility at Fullerton's Main Plant will treat water from two of its six wells on site. While other facilities in Orange County are using Ion-Exchange (IX) Resin, several of the Main Plant wells have co-occurring organic compounds in the water. These compounds are not removed by IX resins but are by GAC, making GAC the better alternative.

The GAC vessels chosen are larger and taller than the standard size IX vessels, holding twice the amount of GAC, resulting in space savings for the site and cost savings on number of vessels.

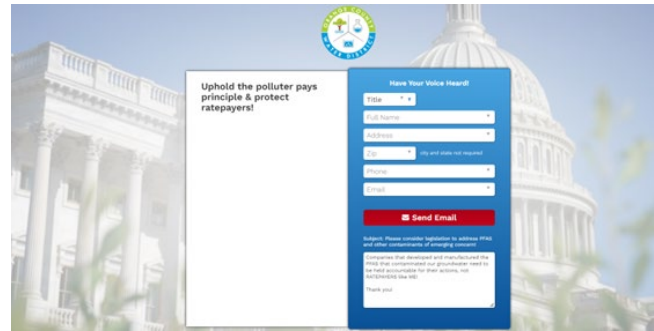


Construction is expected to be complete this fall.

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## Make Your Voice Heard!

Orange County Water District has created a platform – through its [PFAS Education Center](#) - to help you take action in reaching out to the Orange County federal legislators about the importance of upholding the polluter pays principle and protecting ratepayers from the costs of treating PFAS in our water supplies. You can quickly and easily [fill out this form](#) to make your voice heard.



# LEGISLATIVE UPDATES

## In mid-March US EPA Issued Proposed MCL's for PFOA, PFOS, and others.

The proposal, if finalized, would regulate PFOA and PFOS as individual contaminants, and would regulate four other PFAS – PFNA, PFHxS, PFBS, and GenX Chemicals – as a mixture.

- PFOA and PFOS: EPA is proposing to regulate PFOA and PFOS at 4 parts per trillion using individual Maximum Contaminant Levels.
- EPA is also proposing to regulate PFNA, PFHxS, PFBS, and GenX Chemicals as using a combined Hazard Index.

The proposed regulation would require public water systems to monitor for these chemicals, notify the public and reduce PFAS contamination if levels exceed the proposed regulatory standards.

A Federal Register Notice has been published and can be viewed on [www.regulations.gov](http://www.regulations.gov). It will be open for a

## US EPA Heard Public Input

US EPA's Office of Enforcement and Compliance Assurance held the second public listening session in late March seeking public input on future liability enforcement policies under CERCLA.

### Key takeaways from the session:

- USEPA is still working to finalize proposed rulemaking to designate PFOA and PFOS as CERCLA hazardous substances.
- USEPA intends to focus enforcement liability on manufacturers, federal facilities, and other industrial parties who release significant PFAS.
- USEPA may choose not to take CERCLA enforcement actions against certain entities including publicly owned treatment works and water utilities.

60-day comment period through May 30, 2023.

For more information regarding this EPA proposal go to the link below:

[Per- and Polyfluoroalkyl Substances \(PFAS\) | US EPA](#)

- USEPA may settle and provide CERCLA contribution protection to some parties, though no parties were identified.

## IN THE NEWS

PFAS are not exclusive to Orange County or even California. States across the country are in the midst of tackling PFAS in consumer products, groundwater supplies and other forms of contact. Here's what's happening around the country:

- [EPA Aims To Limit Toxic 'Forever Chemicals' In Drinking Water – Orange County Register](#)
- [States Seek Crackdown on Toxic Ingredients in Cosmetics to Close Gaps in Federal Oversight](#)
- [Child Growth and Development Hampered by PFAS in Blood, study says](#)
- [Pentagon To Halt Use Of Firefighting Foam That Contains PFAS As Cleanup Costs Mount](#)
- [NIH STUDY LINKS LOW BIRTHWEIGHT TO PRENATAL PER- AND POLYFLUOROALKYL SUBSTANCES \(PFAS\) EXPOSURE](#)
- [Facing Major Lawsuit, 3M to Stop Making 'Forever Chemicals'](#)
- [O.C. Sanitation to demo tech that kills 'forever chemicals,' turning waste into water, clean energy](#)
- [Scientists may have finally found a way to destroy the toxic 'forever chemicals' found in drinking water](#)
- [PFAS Bans, Restrictions Go Into Effect in States in 2023 \(1\)](#)

## RESOURCES

[ACWA PFAS Fact Sheet](#)

[UCI PFAS Health Study](#)

[OCWD PFAS Fact Sheet](#)

[EPA PFAS Fact Sheet](#)

[AWWA PFAS Briefing](#)

[National Academies](#)

The Orange County Water District (OCWD; the District) supplies clean, reliable drinking water to 2.5 million customers every day. OCWD and the local water suppliers in its service area are committed to operating in compliance with all state and federal guidelines and regulatory requirements.

For more information about PFAS, please visit OCWD's [PFAS Education Center](#).

# MEMO

**TO: ENGINEERING AND OPERATIONS COMMITTEE**  
**FROM: GENERAL MANAGER**  
**SUBJECT: WHOLESALE ZONE WATER USE REPORT**  
**DATE: JUNE 15, 2023**

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## Background

This memo serves as cover for the Wholesale Zone water use report.

The Wholesale Zone Water Demand and Imported Water Delivery Balance Report will be handed out at the meeting.

## Recommendation

Information Only

## Attachment(s)

None

# MEMO

**TO: ENGINEERING AND OPERATIONS COMMITTEE**  
**FROM: GENERAL MANAGER**  
**SUBJECT: SEWER SYSTEM STATUS AND PERMIT REPORT**  
**DATE: JUNE 15, 2023**

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## Background

There were no sewer spills in April or May. The monthly Permit Reports for April and May are attached.

## Recommendation

Information Only

## Attachment(s)

Permit Reports

**April 2023 - Connection Permits**

Connection Address	Type of Development	Permit No	APN	Date Issued	Regional CFCC (OCSD) Fees	Local Sewer Capacity Fees	Total Sewer	Wholesale Connection Meter Fees	Retail Connection Meter Fees	Total
535 E. Main St. Tustin, CA 92780	Commerical	21-112	401-612-04	4/7/2023	\$ 7,705.07	\$ 3,406.23	\$ 11,111.30	\$ -	\$ -	\$ 11,111.30
10692 Rockhurst Ave. Santa Ana, CA 92705	ADU	23-003	503-711-25	4/14/2023	\$ 1,367.21	\$ 1,263.51	\$ 2,630.72	\$ 297.74	\$ -	\$ 2,928.46
12351 Country Ln, Santa Ana, CA 92705	ADU	23-014	103-501-11	4/6/2023	\$ -	\$ -	\$ -	\$ 495.69	\$ -	\$ 495.69
1056 Walter Ave. Tustin, CA 92780	Septic Conversion	23-025	432-072-07	4/17/2023	\$ -	\$ 426.00	\$ 426.00	\$ -	\$ -	\$ 426.00
<b>Totals</b>					<b>\$ 9,072.28</b>	<b>\$ 5,095.74</b>	<b>\$ 14,168.02</b>	<b>\$ 793.43</b>	<b>\$ -</b>	<b>\$ 14,961.45</b>

**May 2023 - Connection Permits**

Connection Address	Type of Development	Permit No	APN	Date Issued	Regional CFCC (OCSD) Fees	Local Sewer Capacity Fees	Total Sewer	Wholesale Connection Meter Fees	Retail Connection Meter Fees	Total
14781 Livingston & 14785 Livingston St. Tustin, CA 92780	SFR ADU	22-128	401-482-08	5/19/2023	\$ 670.20	\$ 552.76	\$ 1,222.96	\$ 634.00	\$ -	\$ 1,856.96
1312 Lucinda Way, Tustin, CA 92780	SFR (R)	23-011	103-152-10	5/4/2023	\$ 1,087.00	\$ -	\$ 1,087.00	\$ -	\$ -	\$ 1,087.00
1061 Bontia and 1065 Bonita, Tustin, CA 92780	ADU (N)	23-020	500-152-06	5/16/2023	\$ 1,096.00	\$ 1,285.56	\$ 2,381.56	\$ 495.69	\$ -	\$ 2,877.25
City of Tustin well	Well Construction	23-026	401-242-05	5/1/2023	\$ 63.36	\$ 821.73	\$ 885.09	\$ -	\$ -	\$ 885.09
1842 Windsor Ln Santa Ana, CA 92705	SFR (R) ADU (E)	23-035	103-512-39	5/30/2023	\$ 1,143.00	\$ -	\$ 1,143.00	\$ -	\$ -	\$ 1,143.00
14082 Matryce Way, Tustin, CA 92780	SFR (R)	23-036	401-402-12	5/30/2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
18671 Saugus Ave. Santa Ana, CA 92705	SFR (R)	23-038	395-451-28	5/30/2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Totals</b>					<b>\$ 4,059.56</b>	<b>\$ 2,660.05</b>	<b>\$ 6,719.61</b>	<b>\$ 1,129.69</b>	<b>\$ -</b>	<b>\$ 7,849.30</b>

**May 2023 - In the Pipeline**

Connection Address	Type of Development	Permit No	APN	Permit Status
12328 Circula Panorama, Santa Ana, CA 92705	SFR	22-052	094-212-38	Pending revised plans
14491 Oxford Ave. Tustin, CA 92780	ADU	22-077	432-303-16	Pending customer payment and signature
13757 - 13807 Red Hill Ave. Tustin, CA 92780	SFR & MFR	22-081	500-141-09	Pending revised plans
13757 - 13807 Red Hill Ave. Tustin, CA 92780	SFR & MFR	22-082	500-141-10	Pending revised plans
14031 Woodlawn Ave. Tustin, CA 92780	ADU	22-089	432-052-15	Pending customer payment and signature
18191 Bigelow Park, Tustin, CA 92780	ADU	22-091	401-453-08	Pending customer response
1041 S. E. Skyline Dr. Santa Ana, CA 92705	Studio Room	22-093	502-101-04	Pending customer payment and signature
16791 McFadden Ave. Tustin, CA 92780	Commercial	22-097	402-301-08	Pending customer payment and signature
1032 Bonita St. Tustin, CA 92780	ADU MFR	22-104	500-151-16	Pending customer payment and signature
350 Pasadena Ave. Tustin, CA 92780; Unit 1	MFR	22-108	401-543-16	Pending customer response
350 Pasadena Ave. Tustin, CA 92780; Unit 2	MFR	22-109	401-543-16	Pending customer response
12892 Panorama Pl. Santa Ana, CA 92705	SFR	22-110	393-053-29	Pending customer payment and signature
382 Prospect Ave. Tustin, CA 92890	SFR ADU	22-119	401-141-34	Pending customer response
1892 Royal Oak Rd. Tustin, CA 92780	SFR	22-120	432-281-25	Pending customer payment and signature
10591 Cowan Heights Dr. Santa Ana, CA 92705	SFR ADU	22-121	503-611-27	Pending customer response
12384 Circula Panorama, Santa Ana, CA 92705	SFR	22-123	094-221-29	Pending revised plans from customer
14082 Charloma Dr. Tustin, CA 92780	SFR ADU	23-007	432-052-06	Pending customer response
14102 Charloma Dr. Tustin, CA 92780	ADU	23-009	432-052-05	Pending customer response
325 Pasadena Ave. Tustin, CA 92780	ADU (N)	23-017	401-542-16	Pending customer response
12881 Rosalind Dr. Santa Ana, CA 92705	ADU (N)	23-022	094-344-29	Pending customer response
1532 Garland Ave. Tustin, CA 92780	ADU (EA)	23-028	103-471-36	Pending submittal of engineering documents
17802 Irvine Blvd. Tustin, CA 92780	MFR (18units) (N) SFR (4) (N) Commerical (E)	23-031	401-141-13, 401-141-57	Pending fee verification
18650 Pearl St., Orange 92869	MFR (N)	23-032	093-114-02	Pending revised plans
13192 Ethelbee Way, Santa Ana, CA 92705	ADU (N)	23-033	395-252-57	Pending revised plans
18671 Saugus Ave. Santa Ana, CA 92705	SFR (R)	23-038	395-451-28	Pending customer payment and signature
18874 Fowler Ave. Santa Ana, CA 92705	SFR (R)	23-039	393-301-17	Pending customer payment and signature

# MEMO

**TO: ENGINEERING AND OPERATIONS COMMITTEE**  
**FROM: GENERAL MANAGER**  
**SUBJECT: ADOPTION OF REVISED STANDARD SPECIFICATIONS FOR WATER SYSTEMS**  
**DATE: JUNE 15, 2023**

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## Background

The District's current water standards were created over 27 years ago and are obsolete. Standardized water specifications are important to: 1) provide adequate hydraulic capacity for domestic water service and fire flow; 2) ensure that the composition of the materials installed maintain life expectancy and; 3) lower the overall cost of operations and maintenance of the system with standardized and quality materials.

Staff retained MKN and Associates to review and update the Standards and a comprehensive revision of the Standards was completed with input from staff. Current industry best practices were implemented and construction materials and methods were updated to current industry standards.

Staff is recommending the revised Standards for adoption. The revised Standards are posted on the District's website for review.

## Recommendation

That the Committee recommend the Board adopt the revised Standard Specifications and Drawings for Water Systems.

## Attachment(s)

The revised Standards may be viewed on the District's website at:  
<https://www.eocwd.com/committee-meetings>

# MEMO

**TO: ENGINEERING AND OPERATIONS COMMITTEE**  
**FROM: GENERAL MANAGER**  
**SUBJECT: ON-CALL SEWER REHABILITATION (CIPP) CONTRACT AWARD**  
**DATE: JUNE 15, 2023**

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## Background

As a part of the regular maintenance and repair program, District staff periodically performs visual inspection of manholes and of the interior condition of the sewer lines utilizing Closed Circuit Television (CCTV). Periodically manholes and sewer mains require repair, rehabilitation, or replacement. Manholes are typically repaired with a coating or liner. The District employs two types of trenchless sewer main repair/rehabilitation: 1) Sectional Cure-in-Place-Pipe (CIPP) – repair of individual spots on a section of sewer main with a CIPP liner; and 2) Full-length CIPP – this is a manhole-to-manhole rehabilitation with a CIPP liner. Replacement is typically completed with open trench “dig and replace”.

The project for on-call manhole and sewer main repair and rehabilitation was advertised for bid on April 25 to a select list of five contractors. Two of the contractors, Sancon Technologies and Ayala Engineering, submitted bids on May 30, 2023. Sancon Technologies is the apparent low bidder with a total bid amount of \$186,500. Sancon currently provides CIPP sewer main repair and rehabilitation for the District with good performance and staff checked their references for manhole rehabilitation and received favorable feedback. The Bid Summary is attached. Staff recommends awarding a 2-year on-call contract to Sancon in the amount of \$200,000 per year for pipe lining and manhole rehabilitation.

## Recommendation

That the Committee recommend the Board award a 2-year on-call contract in the amount of \$200,000 per year for pipe lining and manhole rehabilitation to Sancon Technologies Inc.

## Attachment(s):

On-Call Sewer Rehabilitation (CIPP) Bid Summary



**BID OPENING**

**185 N MCPHERSON, ORANGE CA 92869**

**PROJECT: ON-CALL SEWER REHABILITATION (CIPP)**

**BID DATE: MAY 30, 2023 AT 8:30 A.M.**

**Contact: Jeff Smyth, Phone: 714.538.5815, email: jsmyth@eocwd.com**

		TOTAL BID AMOUNT SCHEDULE	
Contractor's Name and Address		GRAND TOTAL PIPE LINER	GRAND TOTAL MANHOLE REHAB
1	Sancon Technologies, Inc. 5841 Engineer Dr. Huntington Beach, CA 92649	\$ 152,300.00	\$ 34,200.00
2	Ayala Engineering 8482 E, Meadowridge St. Anaheim, CA 92808	N/A	\$ 118,490.00

# MEMO

**TO: ENGINEERING AND OPERATIONS COMMITTEE**  
**FROM: GENERAL MANAGER**  
**SUBJECT: CATHODIC PROTECTION SYSTEM REHABILITATION**  
**DATE: JUNE 15, 2023**

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## Background

The District's Peter's Canyon Parallel Pipelines and Newport Transmission Main are protected from corrosion by an impressed current cathodic protection system. V&A Engineering (V&A) performs the monitoring of this and other corrosion protection systems throughout the District. V&A recommended enhancements to the system to cross bond the pipelines and add necessary test stations. V&A completed the design in April.

The project was advertised for construction bidding on May 1, 2023 to a select list of three contractors. All of the contractors attended the pre-bid meeting and submitted bids on May 22, 2023. The bid summary is attached. The apparent low bidder, Farwest Corrosion, did not use the corrected bid form transmitted via Addendum #1 and, therefore, the bid was deemed non-responsive.

Staff recommends rejection of the bids and re-bidding the project.

## Recommendation

That the Committee recommend the Board reject all bids submitted on May 22, 2023 for the Cathodic Protection System Rehabilitation project.

## Attachment(s):

Bid Summary



**BID OPENING**

**185 N MCPHERSON, ORANGE CA 92869**

**PROJECT: CATHODIC PROTECTION SYSTEM REHABILITATION**

**BID DATE: MAY 22, 2023 AT 2:00 P.M.**

**Contact: Jeff Smyth, Phone: 714.538.5815, email: jsmyth@eocwd.com**

	Contractor's Name and Address	Total Bid Amount Schedule		
		Total Base Bid Items 1 to 16	Alternate Bid Item A-1	Total Base Bid and Alternate Bid Items
1	<del>Farwest Corrosion Control Company 12029 Regentview Ave. Downey, California, 90241</del>	<del>\$ 181,640.00</del>	<del>\$ 14,775.00</del>	<del>\$ 196,415.00</del>
2	Corrpro Companies, Inc. 10260 Matern Pl. Santa Fe Springs, California 90670	\$ 190,000.00	\$ 31,550.00	\$ 221,550.00
3	Mike Bubalo Construction Co., Inc. 5102 Gayhurst Ave. Baldwin Park, CA 91706	\$ 261,000.00	\$ 15,000.00	\$ 276,000.00

**TO: ENGINEERING AND OPERATIONS COMMITTEE**  
**FROM: GENERAL MANAGER**  
**SUBJECT: OC-43 WALNUT TURNOUT VAULT REPLACEMENT CONTRACT CHANGE ORDER**  
**DATE: JUNE 15, 2023**

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**Background**

The OC-43 Walnut Turnout Project is currently under construction. The contractor has removed the existing vault, installed the new vault and piping, and is in the process of installing electrical and controls. Construction started with the shoring installation on April 18 with assistance from Southern California Edison (Edison) who de-energized the electrical lines and provided a crane to ensure the adjacent 80ft high electrical transmission pole remained stable. The adjacent transmission pole was 2 feet outside the excavation and due to the close proximity, the contractor was required to install a significantly stronger and more expensive shoring system. On May 30<sup>th</sup> the shoring was removed with assistance from Southern California Edison.

To provide funding for the additional shoring, shoring design, and traffic control due to the adjacent Edison transmission pole, staff is requesting a change order in the amount of \$206,500 and a corresponding increase in the project budget. Unused funds in the existing capital budget will be reallocated to increase the project budget to match the projected expenses. Staff will be submitting a claim to Edison for the additional shoring and associated costs.

**Financial Impact**

<b>OC43 WALNUT TURNOUT VAULT REPLACEMENT CONSTRUCTION COST SUMMARY</b>	
Construction	\$830,000
Contract Change Orders to Date	\$206,500 (pending approval)
CM&I	\$130,000
Contingency	\$100,000
Reimbursement from City of Tustin	(\$250,000) estimated
<b>Total</b>	<b>\$1,016,500</b>

**Recommendation**

That the Committee recommend the Board approve a change order to T.E. Roberts in the amount of \$206,500 for the additional shoring cost and a corresponding increase in the project budget.

**Attachment(s):** None

# MEMO

**TO: ENGINEERING AND OPERATIONS COMMITTEE**  
**FROM: GENERAL MANAGER**  
**SUBJECT: SCADA PHASE 3 AWARD FOR PRELIMINARY DESIGN**  
**DATE: JUNE 15, 2023**

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## Background

In October 2020, staff retained West Yost to complete preliminary design to upgrade the 20-year-old Supervisory Control and Data Acquisition (SCADA) servers and existing field remote telemetry units (RTUs) as well as develop SCADA standards. The implementation of the new system was awarded to TESCO Controls and is now in progress. Phase 1 of the project, to replace the existing primary and backup servers and operating system, is complete. Phase 2, consisting of replacing the RTUs at eight field sites, is in progress and about 50% complete. Phase 3 was a future planned project to expand the SCADA system to additional field sites that do not currently have control.

In order to initiate Phase 3 of the SCADA project, staff recommends awarding a Professional Services Agreement for preliminary design to West Yost in the amount of \$115,754. Their scope of work consists of developing 30% drawings and specifications to expand the SCADA system to 14 field sites and develop high level cost estimates for the implementation.

West Yost is uniquely qualified for the work having completed the preliminary design for Phases 1 and 2 and development of the SCADA standards.

## Recommendation

That the Committee award a Professional Services Agreement to West Yost in the amount of \$115,754 to complete the preliminary design for Phase 3 of the SCADA improvement project.

Attachment(s): None

**TO: ENGINEERING AND OPERATIONS COMMITTEE**  
**FROM: GENERAL MANAGER**  
**SUBJECT: TREATMENT PLANT DEMOLITION FINAL ACCEPTANCE**  
**DATE: JUNE 15, 2023**

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**Background**

At the January 19, 2023 meeting, the Board awarded the Treatment Plant Demolition Project to BeckCo, Inc. The demolition of the abandoned treatment plant included:

- Demolition and abatement of the treatment plant building, filter beds and appurtenant structures
- Screening and reuse of spoils pile behind the treatment plant
- Backfill and re-compaction
- Asphalt

During the abandonment, unforeseen asbestos cement pipe was discovered requiring additional abatement. BeckCo has completed the work and all punch list items. The project has received final inspection and acceptance of construction is recommended.

PROJECT SUMMARY	
Project Title	Treatment Plant Demolition
Contractor	BeckCo, Inc.
Construction Management	EOCWD Staff
Original Contract Cost	\$289,658
Final Contract Cost	\$246,564
Original Contract Days	120
Final Contract Days	140
Construction Duration Days	68
Final Change Order Approved	June 7, 2023

**Recommendation**

That the Committee recommend the Board accept construction of the Treatment Plant Demolition, authorize the General Manager to file a Notice of Completion, and authorize payment of the retention 35 days after the date of recording the notice of completion.

**Attachment(s):**

Pictures

TREATMENT PLANT DEMOLITION FINAL ACCEPTANCE  
June 15, 2023

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BEFORE DEMO



AFTER DEMO



# MEMO

**TO: ENGINEERING AND OPERATIONS COMMITTEE**  
**FROM: GENERAL MANAGER**  
**SUBJECT: PROPOSED FY2023/24 CAPITAL BUDGET**  
**DATE JUNE 15, 2023**

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## Background

Staff is pleased to present the FY2023/24 Capital Budget for review.

## Recommendation

That the Committee recommend the FY2023/24 Capital Budget for inclusion in the annual budget for approval.

## Attachment(s)

Proposed FY2023/24 Capital Budget Presentation



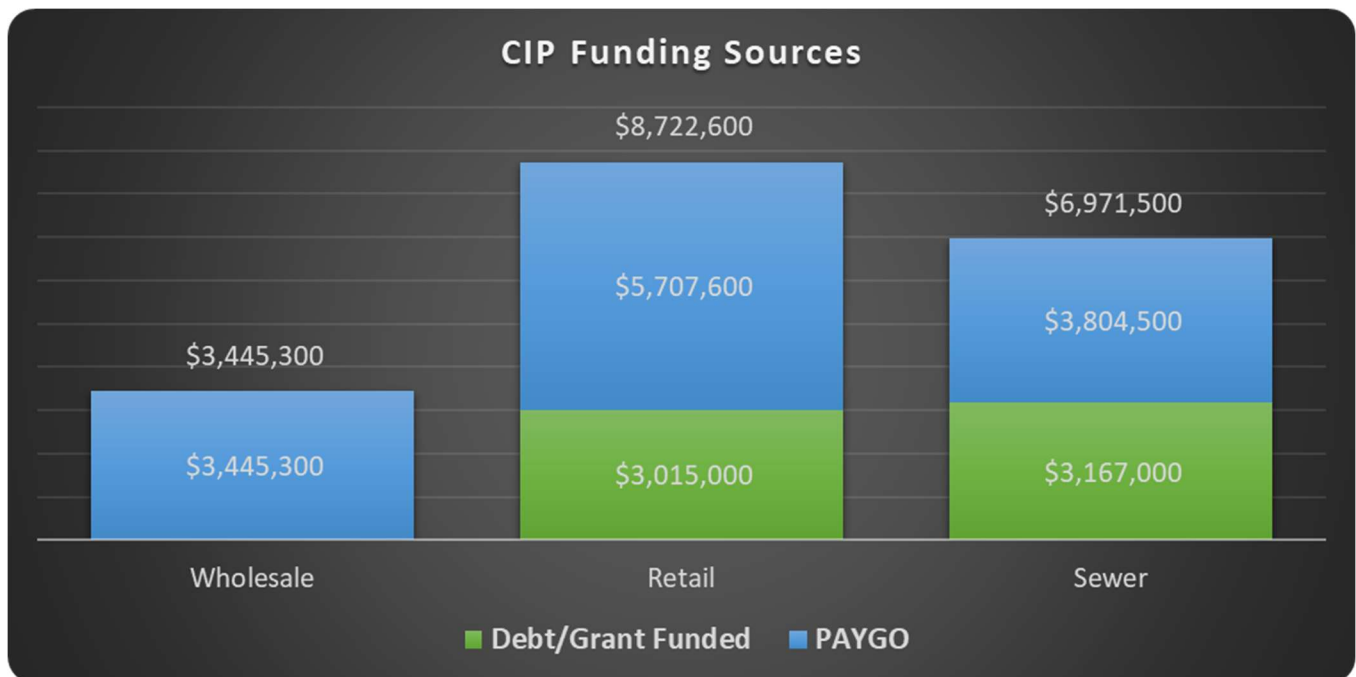
**Proposed Annual Budget**

**Fiscal Year (FY) 2024**

## Schedule F: Capital Improvement Program (CIP) Budget Summary

This schedule shows the CIP budget summary by fund and as a District total. CIP is summarized into major groups within lines 2-7. Line 9 displays budgeted debt proceeds to fund CIP remaining from the 2020 Installment Sale with Sterling Bank. The balance of available proceeds is an estimate and is dependent on FY 23 actual results. Line 10 displays budgeted grant funding for the Vanderwerff Well Retail project. The amount of grant funding used in FY 24 is dependent on FY 23 grant submittals and the timing of grant receipts. Actual results for FY 24 debt and grant funding will vary.

Schedule F CIP Budget Summary	A	B	C	D
	Wholesale	Retail	Sewer	District Total
	Proposed FY 2023/24 Budget	Proposed FY 2023/24 Budget	Proposed FY 2023/24 Budget	Proposed FY 2023/24 Budget
<b>1 Capital Improvement Program (CIP)</b>				
2 Transmission / Distribution System	\$ 1,674,700	\$ 4,855,300	\$ 1,710,000	\$ 8,240,000
3 District Facilities and Structures	1,572,000	1,164,300	5,063,600	7,799,900
4 Wells and Treatment	-	2,504,400	-	2,504,400
5 Vehicles and Equipment	5,000	5,000	5,000	15,000
6 Information Technology	35,300	35,300	54,500	125,100
7 Studies and Assessments	158,300	158,300	138,400	455,000
<b>8 Total CIP</b>	<b>3,445,300</b>	<b>8,722,600</b>	<b>6,971,500</b>	<b>19,139,400</b>
9 Less: Debt Funding	-	(1,947,000)	(3,167,000)	(5,114,000)
10 Less: Grant Funding	-	(1,068,000)	-	(1,068,000)
<b>11 CIP, Net PAYGO Funded</b>	<b>\$ 3,445,300</b>	<b>\$ 5,707,600</b>	<b>\$ 3,804,500</b>	<b>\$ 12,957,400</b>



## Schedule G: CIP Budget Details

The following schedules detail Wholesale, Retail and Sewer CIP budgets for FY 24. Projects with an asterisk are budgeted to be fully or partially funded with debt proceeds remaining from the 2020 Installment Sale with Sterling Bank. Projects highlighted green have grant-funding approved. Retail project grant funding is approved available through the Department of Water Resources and Bureau of Reclamation for Vanderwerff Well construction. Funding has been received throughout FY 23 and the amount received in FY 24 is depending upon factors such as the timing of construction and project costs as well as the timing of grant submittals and funding receipts. Total grant funding available for the project is roughly \$2.5M.

### WHOLESALE CIP BUDGET DETAIL

Project ID	Project	FY 24 Proposed Budget
<b>1</b>	<b>Transmission/Distribution Systems</b>	
2	21-43 Walnut Vault Replacement	\$ 200,000
3	21-45 SCADA System Improvements	466,700
4	23-07 6MG Reservoir - Pipeline and Vault Improvements	300,000
5	22-34 6MG Reservoir Replacement	100,000
6	23-03 Cathodic Protection Improvements	225,000
7	21-02 Valve Replacements	50,000
8	21-03 Pipeline Replacements	75,000
9	22-51 Wholesale Reservoir Backup Generators	100,000
10	22-45 Hydrant Replacements	8,000
11	22-48 Service Lateral Replacements	10,000
12	21-50 SAC Pipeline Repairs	10,000
13	24-07 Wholesale Reservoir Management Systems	100,000
14	24-13 Water Loss Control Program	30,000
<b>15</b>	<b>Total Transmission/Distribution Systems</b>	<b>1,674,700</b>
<b>16</b>	<b>Vehicles &amp; Equipment</b>	
17	24-12 Skid Steer Trailer Attachment	5,000
<b>18</b>	<b>Total Vehicles &amp; Equipment</b>	<b>5,000</b>
<b>19</b>	<b>Structures &amp; Facilities</b>	
20	22-33 District Headquarters	1,272,000
21	23-05 Demo Treatment Plant and new storage at 6M site	300,000
<b>22</b>	<b>Total Structures &amp; Facilities</b>	<b>1,572,000</b>
<b>23</b>	<b>Information Technology</b>	
24	22-01 Financial Software and Implementation	30,000
25	24-06 Geographic Information Systems Server	5,300
<b>26</b>	<b>Total Information Technology</b>	<b>35,300</b>
<b>27</b>	<b>Studies &amp; Assessments</b>	
28	24-01 Master Plan Update	150,000
29	24-11 Hazard Mitigation Plan	8,300
<b>30</b>	<b>Total Studies &amp; Assessments</b>	<b>158,300</b>
<b>31</b>	<b>Wholesale CIP Total</b>	<b>3,445,300</b>
32	Less: Debts Proceeds for Capital Projects	-
33	Less: Grant Proceeds for Capital Projects	-
<b>34</b>	<b>Wholesale CIP, Net Paygo-Funded</b>	<b>\$ 3,445,300</b>

**RETAIL CIP BUDGET DETAIL**

Project ID	Project	FY 24 Proposed Budget
<b>1</b>	<b>Wells &amp; Treatment</b>	
2	21-06 Vanderwerff Well*	\$ 1,344,400
3	22-28 East Well Pump and Motor	200,000
4	22-29 East Well Electrical	150,000
5	21-05 PFAS Treatment Facility	10,000
<b>6</b>	<b>Total Wells &amp; Treatment</b>	<b>1,704,400</b>
<b>7</b>	<b>Transmission/Distribution Systems</b>	
8	21-01 Vista Panorama Reservoir Replacement*	800,000
9	21-04 Barrett Reservoir Booster Pump Station Replacement	100,000
10	22-40 Circula Panorama Pipeline Replacement / Conversion	3,000,000
11	21-11 Brae Glen Pipeline Replacement	700,000
12	21-45 SCADA System Improvements	233,300
13	22-18 Orange Knoll PRV Station	150,000
14	21-02 Valve Replacements	80,000
15	21-03 Pipeline Replacements	75,000
16	22-45 Hydrant Replacements	32,000
17	22-48 Service Lateral Replacements	40,000
18	22-31 Barrett and Hinton Service Relocations	100,000
19	22-30 View Ridge New Valve	15,000
20	21-09 Springwood Drive Pipeline Improvement	100,000
21	24-08 Daniger Pump Station Upgrades	75,000
22	24-09 St. Jude/Panorama View Pipeline	50,000
23	24-10 Barrett to Cresthaven Pipeline Replacement	75,000
24	24-13 Water Loss Control Program	30,000
<b>25</b>	<b>Total Transmission/Distribution Systems</b>	<b>5,655,300</b>
<b>26</b>	<b>Vehicles &amp; Equipment</b>	
27	24-12 Skid Steer Trailer Attachment	5,000
<b>28</b>	<b>Total Vehicles &amp; Equipment</b>	<b>5,000</b>
<b>29</b>	<b>Structures &amp; Facilities</b>	
30	22-33 District Headquarters	1,164,300
<b>31</b>	<b>Total Structures &amp; Facilities</b>	<b>1,164,300</b>
<b>32</b>	<b>Information Technology</b>	
33	22-01 Financial Software and Implementation	30,000
34	24-06 Geographic Information Systems Server	5,300
<b>35</b>	<b>Total Information Technology</b>	<b>35,300</b>
<b>36</b>	<b>Studies &amp; Assessments</b>	
37	24-02 Master Plan Update	150,000
38	24-11 Hazard Mitigation Plan	8,300
<b>39</b>	<b>Total Studies &amp; Assessments</b>	<b>158,300</b>
<b>40</b>	<b>Retail CIP Total</b>	<b>8,722,600</b>
41	Less: Debts Proceeds for Capital Projects	(1,947,000)
42	Less: Grant Proceeds for Capital Projects	(1,068,000)
<b>43</b>	<b>Retail CIP Net Paygo-Funded</b>	<b>\$ 5,707,600</b>

**SEWER CIP BUDGET DETAIL**

Project ID	Project	FY 24 Proposed Budget
<b>1</b>	<b>Transmission/Distribution Systems</b>	
2	21-20 Browning Rehabilitation*	\$ 550,000
3	21-18 Manhole Additions, Raising, Frames & Covers (includes County projects)	500,000
4	21-13 Cured in Place Pipe (CIPP)	300,000
5	21-17 Manhole Rehabilitation/Replacement	100,000
6	21-03 Pipeline Replacements	100,000
5	21-21 Backwater Valve Program	10,000
7	24-04 Lemon Heights Dr. Lift Station Rehabilitation	50,000
8	24-05 Rehabilitate 12" 5 FWY Crossing	100,000
<b>10</b>	<b>Total Transmission/Distribution Systems</b>	<b>1,710,000</b>
<b>11</b>	<b>Vehicles &amp; Equipment</b>	
12	24-12 Skid Steer Trailer Attachment	5,000
<b>13</b>	<b>Total Vehicles &amp; Equipment</b>	<b>5,000</b>
<b>14</b>	<b>Structures &amp; Facilities</b>	
15	22-33 District Headquarters	5,063,600
<b>16</b>	<b>Total Structures &amp; Facilities</b>	<b>5,063,600</b>
<b>17</b>	<b>Information Technology</b>	
18	22-01 Financial Software and Implementation	30,000
8	24-06 Geographic Information Systems Server	24,500
<b>20</b>	<b>Total Information Technology</b>	<b>54,500</b>
<b>21</b>	<b>Studies &amp; Assessments</b>	
21	24-03 SSMP Update and Spill Response	130,000
23	24-11 Hazard Mitigation Plan	8,400
<b>24</b>	<b>Total Studies &amp; Assessments</b>	<b>138,400</b>
<b>25</b>	<b>Sewer CIP Total</b>	<b>6,971,500</b>
26	Less: Debts Proceeds for Capital Projects	(3,167,000)
27	Less: Grant Proceeds for Capital Projects	-
<b>28</b>	<b>Sewer CIP Net Paygo Funded</b>	<b>\$ 3,804,500</b>

**Key - CIP Budget Details**

\*Projects with an asterisk will be fully or partially funded by remaining proceeds from the 2020 Sterling Bank agreement.

Projects in green have approved grant-funding and are fully or partially funded by grant proceeds.

# CAPITAL IMPROVEMENT PROJECTS STATUS REPORT



# ID1 CRA PROJECT

- This project replaces and upsizes sewer mains at multiple locations.
- Current Status
  - Complete: Crawford Canyon, Browning at Bryan, 6<sup>th</sup> Street, Browning South of 5 FWY, and FWY Crossing
  - In Progress: Fallen Leaf
- Next Steps
  - Segment at Browning and El Camino
- Project Schedule
  - Fallen Leaf: Est. June 2023 Completion
  - Segment at Browning/El Camino : Est. July 2023 Completion



# OC43 WALNUT VAULT

- This project replaces the existing vault and pipe.
- Current Status
  - Vault and piping have been installed.
- Next Steps
  - Complete electrical
- Project Schedule
  - Est. June 2023 Completion
- Impacts
  - Lead times
  - Edison pole



# PFAS TREATMENT PLANT (OCWD) AND VANDERWERFF WELL

- This project constructs the VanderWerff Well and PFAS Treatment plant.
- Current Status
  - All of the major treatment plant equipment has been installed and influent/effluent piping.
  - Well has been drilled and developed. The wellhead piping has been installed.
- Next Steps
  - SCE electrical service connection
- Project Schedule
  - Est. in service July 2023
- Impacts
  - Material delays



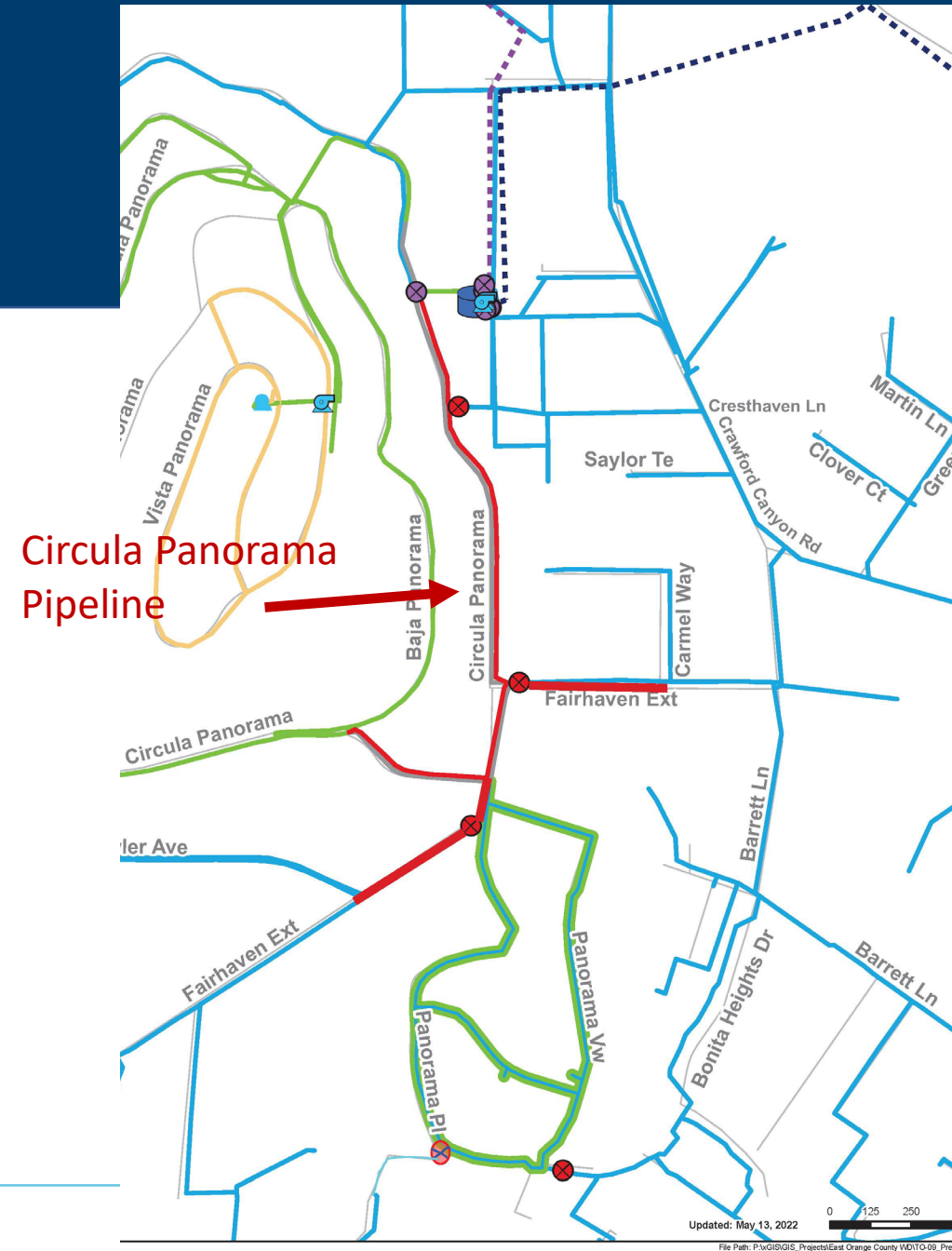
# BARRETT PUMP STATION REPLACEMENT

- This project replaces the existing Barrett Pump Station.
- Current Status
  - Pump station and pumps installed
- Next Steps
  - Startup and commissioning
- Project Schedule
  - June 2023 Completion
- Impacts
  - SoCal Edison
  - Material delays



# CIRCULA PANORAMA PIPELINE REPLACEMENT

- This project replaces and upsizes an existing Zone 3 water pipe and converts it to Zone 2.
- Current Status
  - 60% Design
- Next Steps
  - 90% Design expected July
- Project Schedule
  - Design July 2023
  - Construction Award August 2023
  - Begin Construction Oct. 2023
- Impacts
  - Potholing



# WEST WELL DEMOLITION

- This project demolishes the West Well
- Current Status
  - Pump, motor and column pipe have been removed.
- Next Steps
  - Remove wellhead and fill with concrete
- Project Schedule
  - June 2023 Completion



