



## AGENDA

# EAST ORANGE COUNTY WATER DISTRICT ENGINEERING AND OPERATIONS COMMITTEE MEETING

**Thursday, September 12, 2024 at 9:00 A.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 System Status, Well Levels, and Water Use – Handout
5. WZ System Status and Water Use – Handout
6. Sewer System Status and Permit Reports

### Action Items

7. Vista Panorama Pipeline Improvements Change Order
8. SCADA Phase 2 Contract Award
9. 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 Committee. 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 SYSTEM STATUS, WELL LEVELS, AND WATER USE**  
**DATE: SEPTEMBER 12, 2024**

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## Background

This memo serves as cover for the water use and well reports. The RZ Water Use Report and the Well Pumping and Static Water Level Report will be handed out at the meeting.

## Recommendation

Informational

Attachment(s) None

# MEMO

**TO: ENGINEERING AND OPERATIONS COMMITTEE**  
**FROM: GENERAL MANAGER**  
**SUBJECT: WHOLESALE ZONE WATER USE REPORT**  
**DATE: SEPTEMBER 12, 2024**

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## Background

This memo serves as cover for the Wholesale Zone water demand and imported water report. The Wholesale Zone Water Demand and Imported Water Delivery Balance Report will be handed out at the meeting.

## Recommendation

Informational

Attachment(s) None

# MEMO

**TO: ENGINEERING AND OPERATIONS COMMITTEE**  
**FROM: GENERAL MANAGER**  
**SUBJECT: SEWER SYSTEM STATUS AND PERMIT REPORT**  
**DATE: SEPTEMBER 12, 2024**

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## Background

There were no sewer spills in June, July, or August. The monthly Permit Reports for June to August are attached.

## Recommendation

Informational

Attachment(s) Permit Reports

June 2024 - Permits

| Connection Address                      | Type of Development | Permit No | APN        | Date Issued | Sewer                     |                           |                    |                     | Wholesale Zone     | Retail Zone        | Total               |
|---|---------------------|-----------|------------|-------------|---------------------------|---------------------------|--------------------|---------------------|--------------------|--------------------|---------------------|
|   |                     |           |            |             | Regional CFCC (OCSD) Fees | Local Sewer Capacity Fees | Inspection         | Total Sewer         |                    |                    |                     |
| 12384 Circula Panorama, Santa Ana, CA   | SFR (N)             | 22-123    | 094-221-29 | 6/24/2024   | \$ 7,949.00               | \$ 10,598.00              | \$ 800.00          | \$ 19,347.00        | \$ 1,798.00        | \$13,352.00        | \$ 34,497.00        |
| 1362 Tiki Cir. Tustin, CA 92780         | ADU (N)             | 23-057    | 500-122-24 | 5/30/2024   | \$ 1,153.85               | \$ 5,275.24               | \$ -               | \$ 6,429.09         | \$ 537.08          | \$ -               | \$ 6,966.17         |
| 12062 Woodlawn Ave. Santa Ana, CA 92705 | SFR (R)             | 24-005    | 502-122-10 | 6/21/2024   | \$ 1,087.00               | \$ -                      | \$ -               | \$ 1,087.00         | \$ -               | \$ -               | \$ 1,087.00         |
| 1462 Kenneth Dr. Tustin, CA 92780       | ADU (N)             | 24-023    | 103-341-18 | 6/27/2024   | \$ 1,782.00               | \$ 10,598.00              | \$ 800.00          | \$ 13,180.00        | \$ 1,079.00        | \$ -               | \$ 14,259.00        |
| 14601 Red Hill Ave. Tustin, CA 92780    | Commercial (R)      | 24-039    | 432-171-10 | 6/26/2024   | \$ -                      | \$ -                      | \$ -               | \$ -                | \$ 3,956.00        | \$ -               | \$ 3,956.00         |
| 13621 Green Valley Dr. Tustin, CA 92780 | ADU (N)             | 24-041    | 500-081-25 | 6/11/2024   | \$ 1,782.00               | \$ 2,910.87               | \$ 800.00          | \$ 5,492.87         | \$ 1,079.00        | \$ -               | \$ 6,571.87         |
| 11751 Highview Dr. Santa Ana, CA 92780  | SFR (R)             | 24-043    | 104-611-24 | 6/11/2024   | \$ 1,143.00               | \$ -                      | \$ -               | \$ 1,143.00         | \$ -               | \$ -               | \$ 1,143.00         |
| 13831 Orange, Tustin, CA 92780          | SFR (R)             | 24-048    | 500-152-14 | 6/14/2024   | \$ 1,086.00               | \$ -                      | \$ -               | \$ 1,086.00         | \$ -               | \$ -               | \$ 1,086.00         |
| 13301 Sussex Pl. Santa Ana, CA 92705    | SFR (R)             | 24-050    | 395-064-03 | 6/14/2024   | \$ -                      | \$ -                      | \$ -               | \$ -                | \$ -               | \$ -               | \$ -                |
| 1092 Saint John Pl. Santa Ana, CA 92705 | SFR (R)             | 24-051    | 502-251-01 | 6/19/2024   | \$ 1,086.00               | \$ -                      | \$ -               | \$ 1,086.00         | \$ -               | \$ -               | \$ 1,086.00         |
| <b>Totals</b>                           |                     |           |            |             | <b>\$ 17,068.85</b>       | <b>\$ 29,382.11</b>       | <b>\$ 2,400.00</b> | <b>\$ 48,850.96</b> | <b>\$ 8,449.08</b> | <b>\$13,352.00</b> | <b>\$ 70,652.04</b> |

R - Remodel  
N - New  
E - Existing

**July 2024 - Permits**

| Connection Address                         | Type of Development | Permit No | APN        | Date Issued | Sewer                     |                           |                  |                     | Wholesale Zone     | Retail Zone | Total               |
|--|---------------------|-----------|------------|-------------|---------------------------|---------------------------|------------------|---------------------|--------------------|-------------|---------------------|
|  |                     |           |            |             | Regional CFCC (OCSD) Fees | Local Sewer Capacity Fees | Inspection       | Total Sewer         |                    |             |                     |
| 4725 E. Chapman Ave. Orange, CA 92869      | New Connection      | 23-061    | 383-272-04 | 7/25/2024   | \$ 118.80                 | \$ 847.84                 | \$ 800.00        | \$ 1,766.64         | \$ 287.76          | \$ -        | \$ 2,054.40         |
| 12621 Singing Wood Dr. Santa Ana, CA 92705 | SFR (N)             | 24-030    | 103-352-14 | 7/1/2024    | \$ 1,087.00               | \$ -                      | \$ -             | \$ 1,087.00         | \$ 719.00          | \$ -        | \$ 1,806.00         |
| 11392 Newport Ave. Santa Ana, CA 92705     | ADU (N)             | 24-049    | 502-263-01 | 7/22/2024   | \$ 1,188.00               | \$ 6,793.59               | \$ -             | \$ 7,981.59         | \$ 1,152.56        | \$ -        | \$ 9,134.15         |
| 1819 Loma Roja, Santa Ana, CA 92705        | SFR (N) ADU (N)     | 24-052    | 501-061-20 | 7/23/2024   | \$ 861.30                 | \$ 1,215.27               | \$ -             | \$ 2,076.57         | \$ 468.89          | \$ -        | \$ 2,545.46         |
| 10531 Shadyridge, Santa Ana, CA 92705      | SFR (R)             | 24-054    | 503-091-19 | 7/12/2024   | \$ 1,277.00               | \$ -                      | \$ -             | \$ 1,277.00         | \$ -               | \$ -        | \$ 1,277.00         |
| 18001 Norwood Park Pl. Tustin, CA 92780    | SFR (R)             | 24-056    | 401-423-28 | 7/17/2024   | \$ -                      | \$ -                      | \$ -             | \$ -                | \$ -               | \$ -        | \$ -                |
| <b>Totals</b>                              |                     |           |            |             | <b>\$ 4,532.10</b>        | <b>\$ 8,856.70</b>        | <b>\$ 800.00</b> | <b>\$ 14,188.80</b> | <b>\$ 2,628.21</b> | <b>\$ -</b> | <b>\$ 16,817.01</b> |

R - Remodel  
N - New  
E - Existing

**August 2024 - Permits**

| Connection Address                       | Type of Development | Permit No  | APN        | Date Issued | Sewer                     |                           |                  |                     | Wholesale Zone     | Retail Zone | Total               |
|--|---------------------|------------|------------|-------------|---------------------------|---------------------------|------------------|---------------------|--------------------|-------------|---------------------|
|  |                     |            |            |             | Regional CFCC (OCSD) Fees | Local Sewer Capacity Fees | Inspection       | Total Sewer         |                    |             |                     |
| 14082 Charloma Dr. Tustin, CA 92780      | SFR ADU             | 23-007     | 432-052-06 | 8/6/2024    | \$ 2,491.00               | \$ -                      | \$ -             | \$ 2,491.00         | \$ -               | \$ -        | \$ 2,491.00         |
| 18911 E. Pearl St. Orange, CA 92869      | SFR                 | 23-072     | 383-271-30 | 8/20/2024   | \$ -                      | \$ -                      | \$ -             | \$ -                | \$ -               | \$ -        | \$ -                |
| 18921 Fairhaven Ext. Santa Ana, CA 92705 | SFR (N)             | 24-019     | 393-011-33 | 8/7/2024    | \$ 8,879.00               | \$ 10,598.00              | \$ 800.00        | \$ 20,277.00        | \$ 1,798.00        | \$ -        | \$ 22,075.00        |
| 17362 Laurie Ln. Tustin, CA 92780        | SFR (R)             | 24-058     | 395-023-02 | 8/12/2024   | \$ -                      | \$ -                      | \$ -             | \$ -                | \$ -               | \$ -        | \$ -                |
| 10141 Overhill Dr. Santa Ana, CA 92780   | ADU (N)             | 24-046     | 503-172-02 | 8/21/2024   | \$ 1,332.18               | \$ 4,139.20               | \$ -             | \$ 5,471.38         | \$ 702.23          | \$ -        | \$ 6,173.61         |
| 1291 E. 1st. St. Tustin, CA 92780        | ADU (N)             | 24-062     | 103-592-23 | 8/26/2024   | \$ 1,235.96               | \$ 3,139.37               | \$ -             | \$ 4,375.33         | \$ 719.00          | \$ -        | \$ 5,094.33         |
| 13696 Judy Ann Ln. Santa Ana, CA 92705   | SFR (R)             | 24-063     | 395-553-19 | 8/19/2024   | \$ 1,214.00               | \$ -                      | \$ -             | \$ 1,214.00         | \$ -               | \$ -        | \$ 1,214.00         |
| 11256 S. Espanita St. Orange, CA 92869   | ADU (N)             | 24-064     | 093-331-01 | 8/9/2024    | \$ -                      | \$ -                      | \$ -             | \$ -                | \$ -               | \$ -        | \$ -                |
| 17536 Sherbrook Dr. Tustin, CA 92780     | New WZ Meter        | WZ2024-068 | 401-024-12 | 8/29/2024   | \$ -                      | \$ -                      | \$ -             | \$ -                | \$ 1,798.00        | \$ -        | \$ 1,798.00         |
| <b>Totals</b>                            |                     |            |            |             | <b>\$ 15,152.14</b>       | <b>\$ 17,876.57</b>       | <b>\$ 800.00</b> | <b>\$ 33,828.71</b> | <b>\$ 5,017.23</b> | <b>\$ -</b> | <b>\$ 38,845.94</b> |

**August 2024 - In the Pipeline**

| Connection Address                          | Type of Development       | Permit No | APN        | Permit Status                          |
|---|---------------------------|-----------|------------|--|
| 12221 Circula Panorma, Santa Ana, CA        | ADU (N) JADU (N)          | 23-077    | 094-212-06 | Pending customer payment and signature |
| 17742 Linda Ln. Santa Ana, CA 92705         | SFR (R)                   | 23-082    | 395-283-03 | Pending customer payment and signature |
| 13371 Diamond Head Dr. Tustin, CA 92780     | ADU (N)                   | 23-088    | 103-523-08 | Pending revised plans                  |
| 1202 Lucinda Way, Tustin, CA 92780          | ADU (N)                   | 23-098    | 502-042-04 | Pending customer response              |
| 1665 Garland Ave. Tustin, CA 92780          | SFR (R)                   | 24-001    | 395-191-19 | Pending customer response              |
| 14192 Yorba St. Tustin, CA 92780            | SFR (N)                   | 24-012    | 401-231-38 | Pending customer response              |
| 1892 Lemon Heights Dr. Santa Ana, CA        | Septic to Sewer & ADU (N) | 24-024    | 502-362-15 | Pending customer payment and signature |
| 11931 Arroyo Dr. Santa Ana, CA 92705        | ADU (N)                   | 24-044    | 502-151-03 | Pending revised plans                  |
| 14232 Newport Ave. Tustin, CA 92780         | Commerical (N)            | 24-045    | 432-073-01 | Pending revised plans                  |
| 10511 Terrance View, Santa Ana, CA 92705    | SFR (R)                   | 24-053    | 503-703-05 | Pending customer payment and signature |
| 16791 McFadden Ave. Tustin, CA 92780        | Commerical (R)            | 24-057    | 402-301-42 | Pending customer response              |
| 13121 Shasta Way, Santa Ana, CA 92705       | ADU (N)                   | 24-059    | 093-331-01 | Pending customer response              |
| 13782 Ridgecrest Cir. Tustin, CA 92780      | ADU (N)                   | 24-060    | 395-291-25 | Pending revised plans                  |
| 13371 Diamond Head Dr. Tustin, CA 92780     | ADU (N)                   | 24-061    | 103-523-08 | Pending revised plans                  |
| 12334 Circula Panorama, Santa Ana, CA 92705 | SFR (N)                   | 24-067    | 094-221-28 | Pending revised plans                  |
| 12862 Panorama Pl. Santa Ana, CA 92705      | SFR (R)                   | 24-065    | 393-053-02 | Pending revised plans                  |
| 1122 Hyde Park Dr. Santa Ana, CA 92705      | SFR (R)                   | 24-066    | 503-523-02 | Pending customer payment and signature |

R - Remodel  
N - New  
E - Existing

# MEMO

**TO: ENGINEERING AND OPERATIONS COMMITTEE**  
**FROM: GENERAL MANAGER**  
**SUBJECT: VISTA PANORAMA SITE – CONTRACT CHANGE ORDER**  
**DATE: SEPTEMBER 12, 2024**

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## Background

At the November 16, 2023 meeting, the Engineering and Operations Committee awarded the Vista Panorama site pipelines and hydrotank installations to Doty Brothers Construction. Due to unforeseen conditions, the pipelines needed to be installed deeper than expected requiring additional excavation, spoil disposal, and backfill. To keep the work progressing, the General Manager approved the additional work preventing delays and standby charges.

Staff recommends ratification of the change order in the amount of \$8,718 to Doty Brothers Construction increasing their contract from \$150,000 to \$158,718.

## Recommendation

That the Committee ratify the change order in the amount of \$8,718 to Doty Bros. Construction increasing their contract from \$150,000 to \$158,718 for installation of the hydrotank, pipelines, and associated work.

Attachment(s): None

# MEMO

**TO: ENGINEERING AND OPERATIONS COMMITTEE**  
**FROM: GENERAL MANAGER**  
**SUBJECT: SCADA SYSTEM IMPROVEMENT PROJECT PHASE 2 – AWARD TO W.M. LYLES**  
**DATE: SEPTEMBER 12, 2024**

**Background**

At the April 21, 2022 meeting, the Board awarded the Supervisory Control and Data Acquisition (SCADA) System Improvement Project Phase 2 to Tesco Controls, Inc. (Tesco) and amended thereafter on December 15, 2022 and September 25, 2023. The SCADA Phase 2 Project (Project) will replace and upgrade the SCADA software, hardware, and communication equipment at the District’s field sites. The Districts SCADA servers and SCADA operating system were previously upgraded in Phase 1.

Tesco began the Project, providing the engineering and equipment. However, they failed to complete the Project and they failed to complete other projects as well including the PFAS Treatment Plant, VanderWerff Well, and Barrett Pump Station. Tesco’s contracts were terminated due to non-performance. The programming and commissioning of the PFAS Treatment Plant, VanderWerff Well, and Barrett Pump Station was completed by Enterprise Automation and they are now operational.

Staff distributed a Request for Proposal for the outstanding Project work to W.M. Lyles System Integration Division (W.M. Lyles), Enterprise Automation (EA), and Big Bear Electric. Proposals were received from W.M. Lyles and EA. Big Bear Electric’s proposal was submitted after the deadline. W.M. Lyles proposed an excellent team and schedule, and submitted the least cost proposal in the amount of \$295,000 compared to EA’s \$344,138. W.M. Lyles proposal also included an item to review the existing system architecture and configuration for compliance with information technology best practices. Staff recommends awarding the project to W.M. Lyles in the amount of \$295,000 and including a \$50,000 contingency.

Staff is recommending an increase in the amount of \$128,000 to the Project budget to complete the work as summarized below. The increase represents additional effort needed to become familiar with the system, confirmation/validation of Tesco’s work, the increased contingency, and additional scope.

| <b>SCADA Phase 2 System Improvements</b> |                        |                              |                   |
|--|------------------------|------------------------------|-------------------|
| <b>Project Budget</b>                    |                        |                              |                   |
| <b>Description</b>                       | <b>Previous Budget</b> | <b>Increase/ (Reduction)</b> | <b>New Budget</b> |
| TESCO                                    | \$430,000              | (\$192,000)                  | \$238,000         |
| Electrical Installation                  | \$182,000              |                              | \$182,000         |
| W.M. Lyles                               |                        | \$295,000                    | \$295,000         |
| CM&I                                     | \$50,000               |                              | \$ 50,000         |
| Contingency                              | \$25,000               | \$25,000                     | \$ 50,000         |
| <b>Total</b>                             | <b>\$687,000</b>       | <b>\$128,000</b>             | <b>\$815,000</b>  |

An increase to the Fiscal Year 2024-25 Capital Budget in the amount of \$300,000, from \$300,000 to \$600,000, for the Project is also needed. Due to TESCO's non-performance, the Project was not completed in the previous fiscal year as anticipated and the unused funds remained in reserves. The increase will be funded by reserves and reallocated unused capital project funds as applies, split between the Wholesale Zone (67%) and Retail Zone (33%).

### **Recommendation**

That the Committee recommend the Board:

- Increase the SCADA Phase 2 System Improvements Project (Project) budget by \$128,000 for a new Project budget of \$815,000.
- Increase the Fiscal Year 2024-25 Capital Budget for the Project by \$300,000, funded by reserves and reallocated project funds as applies.
- Award a Professional Services Agreement to W.M. Lyles in the amount of \$295,000.
- Authorize and approve the General Manager a \$50,000 contingency to complete the Project.

**Attachment(s):** None