



**ENGINEERING/OPERATIONAL COMMITTEE MEETING AGENDA  
TRABUCO CANYON WATER DISTRICT  
ADMINISTRATION FACILITY  
32003 DOVE CANYON DRIVE, TRABUCO CANYON, CA  
OCTOBER 1, 2025 AT 8:00 AM**

---

**COMMITTEE MEMBERS**

Mark Anderson, Committee Chair  
Glenn Acosta, Committee Member  
John Horst, Committee Member Alternate

**DISTRICT STAFF**

Fernando Paludi, General Manager  
Michael Perea, District Secretary  
Lorrie Lausten, District Engineer  
Gary Kessler, Water System Superintendent  
Oscar Ulloa, Wastewater Superintendent  
Jason Stroud, Maintenance Superintendent

---

**AGENDA NOTE:**

*Trabuco Canyon Water District (District) will make this Engineering/Operational Committee Meeting available by telephone audio as follows:*

**Telephone Audio:** 1 (669) 900-6833

**Access Code:** 973-7562-7682

*Persons desiring to monitor the Committee meeting agenda items may download the agenda and documents on the internet at [www.tcwd.ca.gov](http://www.tcwd.ca.gov). You may submit public comments by email to the Committee at [mperea@tcwd.ca.gov](mailto:mperea@tcwd.ca.gov). In order to be part of the record, emailed comments on meeting agenda items must be received by the District at the referenced e-mail address not later than 7:00 a.m. (PDT) on the day of the meeting.*

**CALL MEETING TO ORDER**

**VISITOR PARTICIPATION**

*Members of the public wishing to address the Committee regarding a particular item on the agenda are requested to submit public comments at the time of the meeting or by email to the Committee at [mperea@tcwd.ca.gov](mailto:mperea@tcwd.ca.gov). The Committee Chair will call on the visitor following the Committee's discussion about the matter. Committees do not constitute a quorum of the Board of Directors and Committee Members cannot make decisions on matters. The Committee makes recommendations only to the Board of Directors. Members of the public will be given the opportunity to speak to the Committee prior to making a recommendation on the matter. For persons desiring to make verbal comments and utilizing a translator to present their comments into English reasonable time accommodations, consistent with State law, shall be provided. Please limit comments to three minutes.*

**ORAL COMMUNICATION**

*Members of the public who wish to make comment on matters not appearing on the agenda are requested to submit oral communication at the time of the meeting by email to the Committee at [mperea@tcwd.ca.gov](mailto:mperea@tcwd.ca.gov). Under the requirements of State Law, Directors cannot take action on items not identified on the agenda and will not make decisions on such matters. The Board President may direct District Staff to follow up on issues as may be deemed appropriate. For persons desiring to make verbal comments and utilizing a translator to present their comments into English reasonable time accommodations, consistent with State law, shall be provided. Please limit comments to three minutes.*

**COMMITTEE MEMBER COMMENTS**

**REPORT FROM THE GENERAL MANAGER**

TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING AGENDA | OCTOBER 1, 2025

**ENGINEERING MATTERS**

---

**PRESENTER(S): FERNANDO PALUDI, GENERAL MANAGER  
MICHAEL PEREA, ASSISTANT GENERAL MANAGER  
LORRIE LAUSTEN, DISTRICT ENGINEER**

**ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP**

**RECOMMENDED ACTION:**

*Approve the following Engineering/Operational Committee Meeting Recap(s) and recommend that the Board receive and file same (Consent Calendar).*

1. *September 3, 2025 Committee Meeting*

**ITEM 2: QUARTERLY CAPITAL IMPROVEMENT PROGRAM UPDATE**

**RECOMMENDED ACTION:**

*Receive information at the time of the meeting. No action required.*

**ITEM 3: OTHER ENGINEERING AND OPERATIONS PROJECT UPDATES**

1. Dimension Water Treatment Plant Pipeline Rehabilitation Project
2. Urban Water Management Plan
3. Other Projects

**RECOMMENDED ACTION:**

*Committee to receive project status updates at the time of the Committee Meeting.*

**OPERATIONAL MATTERS**

---

**PRESENTER(S): GARY KESSLER, WATER SYSTEM SUPERINTENDENT  
OSCAR ULLOA, WASTEWATER OPERATIONS SUPERINTENDENT  
JASON STROUD, MAINTENANCE DEPARTMENT SUPERINTENDENT**

**ITEM 4: WATER SYSTEM UPDATES**

**RECOMMENDED ACTION:**

*Committee to receive system status updates. No action required.*

**ITEM 5: WASTEWATER SYSTEM UPDATES**

**RECOMMENDED ACTION:**

*Committee to receive system status updates. No action required.*

**ITEM 6: MAINTENANCE DEPARTMENT UPDATES**

**RECOMMENDED ACTION:**

*Committee to receive system status updates. No action required.*



**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING AGENDA | OCTOBER 1, 2025**

**REGULATORY AND OTHER MATTERS**

---

**ITEM 7: OTHER MATTERS/REPORTS**

**RECOMMENDED ACTION:**

*Hear Other Matters/Reports that may have arisen after the posting of the agenda.*

**ADJOURNMENT**

**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 Trabuco Canyon Water District Board of Directors in connection with a matter subject to discussion or consideration at an open meeting of the Board of Directors are available for public inspection at the Trabuco Canyon Water District Administrative Facility, 32003 Dove Canyon Drive, Trabuco Canyon, California (District Administrative Facility) or will be posted online on the District's website located at [www.tcwd.ca.gov](http://www.tcwd.ca.gov). If such writings are distributed to members of the Board less than 72 hours prior to the meeting, they will be available online at [www.tcwd.ca.gov](http://www.tcwd.ca.gov) at the same time as they are distributed to the Board Members, except that, if such writings are distributed immediately prior to or during the meeting, they will be posted online on the District's website located at [www.tcwd.ca.gov](http://www.tcwd.ca.gov).*

**COMPLIANCE WITH THE REQUIREMENTS OF CALIFORNIA GOVERNMENT CODE SECTION 54954.2**

*In compliance with California law and the Americans with Disabilities Act, if you need special disability-related modifications or accommodations, including auxiliary aids or services in order to participate in the meeting, or if you need the agenda provided in an alternative format, please contact the District Secretary at (949) 858-0277, at least 48 hours in advance of the scheduled Board meeting. Notification at least 48 hours prior to the meeting will assist the District in making reasonable arrangements to accommodate your request. The Board Meeting Room is wheelchair accessible.*



TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING | OCTOBER 1, 2025

ENGINEERING MATTERS

ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

---

**RECOMMENDED ACTION:**

*Approve the following Engineering/Operational Committee Meeting Recap(s) and recommend that the Board receive and file same (Consent Calendar):*

- 1. September 3, 2025 Committee Meeting*

**CONTACTS (staff responsible): PALUDI/PEREA**



**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | SEPTEMBER 3, 2025**

---

**DIRECTORS PRESENT**

Mark Anderson, Committee Chair  
Glenn Acosta, Committee Member

**STAFF PRESENT**

Fernando Paludi, General Manager  
Michael Perea, Assistant General Manager  
Lorrie Lausten, District Engineer  
Gary Kessler, Water Superintendent  
Oscar Ulloa, Wastewater Superintendent  
Jason Stroud, Maintenance Superintendent  
Roseann Lejsek, Executive Assistant  
Karen Warner, Principal Accountant  
Phil Serpas, CMMS/SCADA Administrator

**STAFF ABSENT**

None

**DISTRICT CONSULTANTS**

None

**PUBLIC PRESENT**

None

**CALL MEETING TO ORDER**

Director Anderson called the September 3, 2025 Engineering/Operational Committee Meeting to order at 8:00 a.m.

**VISITOR PARTICIPATION**

No comments were received.

**ORAL COMMUNICATION**

No comments were received.

**COMMITTEE MEMBER COMMENTS**

None

**REPORT FROM THE GENERAL MANAGER**

None

**ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP**

Mr. Paludi presented the Engineering/Operational Committee Meeting Recap for Committee review in accordance with the agenda.

**RECOMMENDATION:** The Committee recommended forwarding this matter to the Board of Directors (Consent Calendar).

**ITEM 2: ROBINSON RANCH WASTEWATER TREATMENT PLANT BLOWER MODIFICATION PROJECT CONSTRUCTION MANAGEMENT CONTRACT AWARD**

---

Mr. Paludi presented this matter for Committee consideration. Ms. Lausten reported that construction of this project was awarded to SS Mechanical, and that staff solicited proposals from five firms for Construction Management and Inspection services. Ms. Lausten stated that three firms attended the pre-proposal meeting, and one firm submitted a proposal. Ms. Lausten reviewed the pre-proposal evaluation and recommended that a Construction Management and Inspection Services contract be awarded to MCM Consulting.

**RECOMMENDATION:** Recommend the Board of Directors award a Construction Management Service contract for the WWTP Blower Modification Project to MCM Consulting for a fee not-to-exceed \$118,310 with a 10% contingency, for a total not-to-exceed amount of \$130,141 (Action Calendar).

**ITEM 3: ROBINSON RANCH WASTEWATER TREATMENT PLANT BLOWER STATION EQUIPMENT PURCHASE**

---

Mr. Paludi presented this matter for Committee consideration. Ms. Lausten reported that the existing Hoffman blower has reached the end of its useful life, and that it is no longer reliable for essential plant operations. Mr. Ulloa reported that the existing blowers have been rebuilt multiple times, and that they have experienced critical failures. Ms. Lausten provided photos of the existing equipment, and Mr. Ulloa reviewed the photos, highlighting areas of wear and inefficiencies.

**RECOMMENDATION:** Recommend that the Board of Directors ratify the purchase of two blower/motor assemblies and one blower only from Lone Star Blower in the amount of \$177,635 (Action Calendar).

**ITEM 4: DOVE RESERVOIR MAINTENANCE ROAD ASPHALT RESURFACING PROJECT**

---

Mr. Paludi presented this matter for Committee consideration, and he reported that this paving project is a cost-sharing effort with Dove Canyon Master Association (DCMA) related to the access road leading to Dove Reservoir. Mr. Perea reported that he discussed this matter with DCMA's property manager, and that their Board has requested a 50/50 split of the paving costs. Mr. Perea added that although the amount falls within the General Manager's signing authority, the matter was being presented to the Committee for transparency purposes.

**RECOMMENDATION:** Forward to the Board of Directors for consideration (Action Calendar).

**ITEM 5: OTHER ENGINEERING AND OPERATIONS PROJECT UPDATES**

---

**1. Dimension Water Treatment Plant Pipeline Rehabilitation and Filter 4 Seismic Retrofit**

Ms. Lausten reported that the contractor for the pipeline rehabilitation project mobilized on September 2, and Mr. Kessler reported on the contractor's preliminary findings upon opening the pipeline. Director Acosta requested that staff share project photos with the Board. Ms. Lausten extended an invitation to the Board for a tour of the project site. Ms. Lausten also noted that the Filter 4 seismic retrofit was scheduled to begin October 6.

**2. Saddle Crest Inlet Pipeline Improvement Project**

Ms. Lausten reported that staff was preparing to send the plans out to bid. Ms. Lausten also provided a brief overview of the original design and its challenges, along with the planned improvements.

**3. Other Projects**

None

**RECOMMENDATION:** None – Informational item only.

**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | SEPTEMBER 3, 2025**

**ITEM 6: WATER SYSTEM UPDATES**

---

Mr. Kessler reviewed the projects and repairs for the prior month, and he reported that Water Operations staff had completed the following tasks:

1. Worked with Meter Tech to replace 1" curb stop on Cimmaron in Robinson Ranch.
2. Repaired 10" line break on Bell Canyon in Dove Canyon.
3. Installed sump pump in vault at the Saddle Crest PS.
4. Finished putting Filter #4 together at DWTP.
5. Installed effluent valve on Filter #1 at DWTP.
6. Repaired struck hydrant in the Trabuco Market Place parking lot.

Mr. Kessler presented the Water System Summary for Committee review.

**RECOMMENDATION:** None – Informational item only.

**ITEM 7: WASTEWATER SYSTEM UPDATES**

---

Mr. Ulloa reviewed the projects and repairs for the prior month, and he reported that Wastewater Operations staff had completed the following tasks:

1. Performed weed abatement at Dove Creek Dry Season Recovery Pump Station.
2. Performed manhole inspections after paving on Robinson Ranch Rd.
3. Maintenance was completed on 2" recycled water Cla-Val on Plano.
4. Maintenance was completed on 8" recycled water Cla-Val on Robinson Ranch Rd.
5. The backwash tank was cleaned at the WWTP.
6. New level indicators installed at Heritage and Plano Lift Stations.

Mr. Ulloa presented the Recycled Water System Summary for Committee review, and he reported that the reservoir was at 1,257 feet and Dove Lake had 7.5 feet of freeboard.

**RECOMMENDATION:** None – Informational item only.

**ITEM 8: MAINTENANCE DEPARTMENT UPDATES**

---

Mr. Stroud reviewed the projects and repairs for the prior month, and he reported that Maintenance staff completed the following tasks:

**Projects and Repairs**

Maintenance staff performed and/or completed the following tasks and projects:

**Water Operations**

1. Remove mobile generator from Canyon Creek BPS used for emergency operations during heat wave.

**Wastewater Operations**

1. Assist Wastewater Dept. with Dove Creek bypass to prep for major landscape work.
2. Assist with the removal and replacement of Dove Lake Pump.

**District Fleet Upgrades & Other Projects**

1. Met with Verizon Mobile representatives on cell sites, Push to Talk (PTT) phones, and emergency mobile cell/wifi trailer.

**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | SEPTEMBER 3, 2025**

2. Start EMASS with Hydrotech Electric.
3. Complete emergency backup generator test and inspections.
4. HAZMAT inspection with OC Health on hazardous chemical storage.

Mr. Perea commended Mr. Stroud for his efforts in facilitating an onsite meeting with the Water Emergency Response Organization of Orange County (WEROC) in relation to emergency equipment.

**RECOMMENDATION:** None – Informational item only.

**ITEM 9: OTHER MATTERS/REPORTS**

---

No other matters were reported.

**RECOMMENDATION:** None

**ADJOURNMENT**

Director Anderson adjourned the September 3, 2025 Engineering/Operational Committee Meeting at 8:35 a.m.

DRAFT

**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING | OCTOBER 1, 2025**

**ENGINEERING MATTERS**

**ITEM 2: QUARTERLY CAPITAL IMPROVEMENT PROGRAM UPDATE**

This report summarizes the status of Trabuco Canyon Water District’s (District’s) eleven projects included in the Fiscal Year 2025-26 Capital Improvement Program (CIP), as summarized below. Project specific information will be presented to the Committee at the time of the meeting.

<b>Status of the CIP Projects</b>	
<b>No.</b>	<b>Status</b>
5	Design/Planning
2	Out to Bid
1	Ongoing
3	In Construction

**FUNDING SOURCE:**

Capital Improvement Program

**FISCAL IMPACT (PROJECT BUDGET):**

\$10,499,177

**ENVIRONMENTAL COMPLIANCE:**

Not Applicable

**RECOMMENDED ACTION:**

*Receive information at the time of the meeting. No action required at this time.*

**EXHIBIT(S):**

1. CIP FY25-26 Budget Update

**CONTACTS (staff responsible): PALUDI/LAUSTEN**

**TRABUCO CANYON WATER DISTRICT  
CAPITAL IMPROVEMENT PLAN BUDGET  
FY 2025/2026 UPDATE**

Item	Name	Status	Project Basis	FY25/26 Budget	Multi-Year Budget
<b>WATER PROJECTS</b>					
1	Live Oak Canyon Pipeline Replacement	Design/Planning	Reliability	\$225,000	\$3,489,000
2	DWTP Electrical Improvements	Design/Planning	End of Service Life	\$300,000	\$2,000,000
3	DWTP Pipeline Improvements	In Construction/Planning	End of Service Life	\$7,000,000	\$11,000,000
4	Fire Flow Availability-Trabuco Oaks	Design/Planning	Reliability	\$150,000	\$1,539,800
5	Saddlecrest Reservoir Outlet Pipe	Out to Bid	Reliability	\$275,000	\$300,000
<b>Sub-Total</b>				<b>\$7,950,000</b>	<b>\$18,328,800</b>
<b>SEWER PROJECTS</b>					
6	WWTP Blower Bldg Rehab-Blowers and MCC	In Construction	Reliability	\$1,290,177	\$1,995,000
7	Chiquita Capital Reim. (SMWD)	Ongoing	Contract Agreement	\$140,000	-
8	Heritage SLS Rehabilitation (Site, Electrical & Mechanical)	Out to Bid	End of Service Life	\$400,000	\$1,506,360
9	WWTP Headworks Rehabilitation	In Construction	End of Service Life	\$370,000	\$380,000
<b>Sub-Total</b>				<b>\$2,200,177</b>	<b>\$3,881,360</b>
<b>NON-DOMESTIC WATER PROJECTS</b>					
10	Dove/Robinson Ranch Recycled BPS Improvements	Design/Planning	End of Service Life	\$560,000	\$1,430,000
11	Dove & Tick Creek Pump Station Improvements	Design/Planning	Reliability	\$259,700	\$1,119,400
	<i>Dove &amp; Tick Creek Pump Station Improvements-Grant Funding</i>			<i>-\$220,700</i>	<i>-\$967,080</i>
<b>Sub-Total</b>				<b>\$599,000</b>	<b>\$1,582,320</b>
<b>Shared Projects</b>					
	<i>Server Upgrades-Grant Funding</i>			<i>-\$250,000</i>	<i>-</i>
<b>Sub-Total</b>				<b>-\$250,000</b>	
<b>Total</b>				<b>\$10,499,177</b>	<b>\$23,792,480</b>

**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING | OCTOBER 1, 2025**

**ENGINEERING MATTERS**

**ITEM 3: OTHER ENGINEERING AND OPERATIONS PROJECT UPDATES**

---

1. Dimension Water Treatment Plant Pipeline Rehabilitation Project
2. Urban Water Management Plan
3. Other Projects

**RECOMMENDED ACTION:**

*Committee to receive project status updates at the time of the Committee Meeting.*

**EXHIBIT(S):**

None

**CONTACTS (staff responsible): PALUDI/LAUSTEN**

**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING | OCTOBER 1, 2025**

**OPERATIONAL MATTERS**

**ITEM 4: WATER SYSTEM UPDATES**

---

The following is a brief report of the water system through **September 2025**.

**Projects and Repairs**

Water Operations staff performed and/or completed the following tasks and projects:

1. Worked with Hydrotech on EMASS at pump stations.
2. Assisted Meter Tech with angle stop repair on Old Oak in Robinson Ranch.
3. Performed site clean up at Harris Grade Tanks (weeds and painting).
4. Assisted with both parts 1A and 1B on transmission main line repair.

**Monthly Water System Operations Summary**

The Monthly Water System Operations Summary is attached for the Committee's review. Any anomalies will be presented at the time of the Engineering/Operational Committee Meeting.

**RECOMMENDED ACTION:**

*Committee to receive system status updates. No action required.*

**EXHIBITS**

1. Monthly Water System Operations Summary

**CONTACTS (staff responsible): PEREA/KESSLER**

**TRABUCO CANYON WATER DISTRICT**  
**MONTHLY WATER SYSTEM OPERATIONS SUMMARY - 2025**

<b>SYSTEM PRODUCTION/SUPPLIES</b>	<b>JAN</b>	<b>FEB</b>	<b>MARCH</b>	<b>APRIL</b>	<b>MAY</b>	<b>JUNE</b>	<b>JULY</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	<b>TOTAL</b>
Number of Days	31	28	31	30	31	30	31	31	30	31	30	31	365
Dimension WTP	8%	17%	25%	33%	42%	50%	58%	67%	75%	83%	92%	100%	
SAC Pipeline Meter	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
Backwash, AF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
Flushwater, AF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
DWTP Effluent (1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
<b>Groundwater, AF</b>													
Trabuco Creek GWTF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
U.S. Well AF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
Total Groundwater (2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
<b>Water Purchases, AF</b>													
SMWD Treated Interconnection	21.0	8.9	7.0	31.0	28.4	39.4	35.1	54.8					225.6
IRWD Treated Interconnections	119.4	90.3	104.7	106.5	126.0	126.8	165.3	161.7					1,000.7
IRWD Irvine Lake	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
Total Purchases (3)	140.4	99.2	111.7	137.5	154.4	166.2	200.4	216.5					1,226.3
<b>Total Supply</b>													
Total Supply AF (1,2,3)	<b>140.4</b>	<b>99.2</b>	<b>111.7</b>	<b>137.5</b>	<b>154.4</b>	<b>166.2</b>	<b>200.4</b>	<b>216.5</b>					1,226.3
% Year - Peak Prod. - 2,449 AF (2018)	6%	10%	14%	20%	26%	33%	41%	50%					50%
AF/Day	3.9	3.3	3.4	3.7	5.0	5.5	6.5	7.0					4.8
CFS/Day, Avg.	2.0	1.6	1.7	1.9	2.5	2.8	3.2	3.5					2.4
<b>Reservoir Storage</b>													
Monthly Average, MG	9.1	9.1	9.0	9.0	9.1	9.1	9.1	9.1					9.1
Monthly Average, AF	27.9	27.9	27.0	27.0	27.9	27.9	27.9	27.9					27.7
Days of Storage	4.0	4.0	3.0	3.0	4.0	4.0	4.0	4.0					3.8
<b>SYSTEM DEMANDS</b>													
<b>District Operations, AF (1)</b>													
Dimension WTP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					0.00
Robinson Ranch WWTP	0.040	0.040	0.040	0.080	0.040	0.080	0.040	0.040					0.400
Supplemental Domestic to RW Res.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.00
Subtotal	0.040	0.040	0.040	0.080	0.040	0.080	0.040	0.040					0.40
<b>System Losses, AF (2)</b>													
Flushing	2.30	3.00	2.30	2.30	2.30	2.30	2.30	2.30					19.10
Sewer Cleaning	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02					0.16
Line Breaks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					0.00
Subtotal	2.32	3.02	2.32	2.32	2.32	2.32	2.32	2.32					19.26
<b>Zone Demands, AF (3)</b>													
Topanga Canyon	2.9	Inop.	Inop.	3.0	3.0	3.0	3.1	3.2					18.20
Falcon Estates	0.40	0.2	0.4	0.7	0.7	0.8	0.9	0.9					4.98
Rose PRV/The Oaks	0.7	0.7	0.8	0.90	1.2	1.3	1.5	2.3					9.40
Canyon Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4					1.90
Rose Pump Station	0.2	0.3	0.3	0.4	0.4	0.5	0.4	0.4					2.88
Robinson Ranch	34.5	19.4	20.0	35.7	42.9	54.0	64.8	66.3					337.6
Dove Canyon	61.7	45.4	49.1	55.4	64.2	64.9	76.6	77.5					494.8
Subtotal	100.6	66.2	70.8	96.3	112.6	124.2	147.6	151.0					869.3
<b>Total System Demand (1,2,3)</b>	<b>103.0</b>	<b>69.3</b>	<b>73.2</b>	<b>98.7</b>	<b>115.0</b>	<b>126.6</b>	<b>150.0</b>	<b>153.4</b>					888.9

**TRABUCO CANYON WATER DISTRICT**  
**MONTHLY WATER SYSTEM OPERATIONS SUMMARY - 2025**

<b>System Demands**</b>													
AF/Day	3.9	3.3	3.4	3.7	4.2	5.5	6.5	7.0					4.7
Daily Average, CFS	2.0	1.6	1.7	1.9	2.1	2.8	3.2	3.5					2.4
<b>Other Water Deliveries/Purchases</b>													
Ridgeline (DWTP Delivery)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
El Toro (Interconnection Purchase)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
Baker WTP (CSC Delivery)	98.6	89.7	90.2	103.7	68.0	88.9	77.6	62.5					679.2
Portola Hills (Wholesale Purchase)	10.0	7.5	8.2	7.8	9.1	10.6	10.5	13.2					76.9
Skyridge (Wholesale Purchase)	1.8	1.6	1.6	1.4	1.6	2.0	2.0	2.3					14.3
* Usage estimated													
** Excludes Operational use, losses, and supplement to Recycled Water Reservoir (RW)													

**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING | OCTOBER 1, 2025**

**OPERATIONAL MATTERS**

**ITEM 5: WASTEWATER SYSTEM UPDATES**

---

The following is a brief report of the wastewater system through **September 2025**.

**Projects and Repairs**

Wastewater Operations staff performed and/or completed the following tasks and projects:

1. Replaced a 4" valve for filter 2 at the WWTP.
2. Installed a 4" bypass drain line at Dove Creek for weed abatement control.
3. Weed abatement completed at the WWTP to comply with Division of Safety of Dams (DSOD).
4. Assisted with process screen replacements at Heritage Lift Station.
5. General painting at WWTP.
6. Line cleaned 1.5 miles of gravity sewer line on Santiago Rd.

**Sewer System Management Plan (SSMP) Report**

*The purpose of the program is to communicate on a regular basis with the public on the development, implementation, and performance of TCWD's SSMP. Status updates on the work and type of work performed on the sewer system will be provided, including sewer line and manhole cleaning, system repairs, lift station cleaning, and updates from satellite facilities:*

<b>Sewer System Management Plan (SSMP) Monthly Update</b>	
Total Sewer Line, Feet*	212,045
<b>Total Sewer Line Cleaned (Ft) – Month</b>	<b>51,000</b>
Total Sewer Line Cleaned (Ft) – Cleaning Cycle	194,840
Cleaning Cycle Period (Mos.) [Start date: 1/1/25]	9
<b>Total Sewer Line Cleaned, %</b>	<b>91%</b>
The Oaks at Trabuco – Pumping Frequency for the Month	13
O’Neill Park Sewer System Status	Ok
O’Neill Park Sewer System Repairs	None
SSMP Quarterly Report – <i>Next Quarterly Report</i>	3Q 2025
SSMP Program Audit – <i>Next Audit Report**</i>	February 2026

*\*This amount includes the OC Parks-owned O’Neill Park sewer system the District is contracted to clean.*

*\*\*Periodic internal audits shall be conducted, at a minimum every two years, with reports kept on file. The audit shall focus on evaluating the effectiveness of the SSMP and TCWD’s compliance with the mandatory elements of TCWD’s SSMP:*

**Monthly Recycled Water System Operations Summary**

The Monthly Recycled Water System Operations Summary is attached for the Committee’s review. Any anomalies will be presented at the time of the Engineering/Operational Committee Meeting.

**RECOMMENDED ACTION:**

*Committee to receive system status updates. No action required.*

**EXHIBITS**

1. Monthly Recycled Water System Operations Summary
2. SSMP Quarterly Report

**CONTACTS (staff responsible): PEREA/ULLOA**

# TRABUCO CANYON WATER DISTRICT | RECYCLED WATER SYSTEM SUMMARY - 2025

RECYCLED WATER SUPPLY															
	MAX	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	FIVE YEAR AVG
WWTP Reclaimed Water Production, AF	78.3	37.1	35.6	41.5	39.4	39.6	37.8	25.2	37.7					293.8	520.1
Reclaimed Reservoir Level, FT	1274.5	1,265.5	1,270.0	1,271.5	1,271.5	1,270.0	1,264.0	1,258.0	1,257.0					-	-
Reclaimed Reservoir Free Board, FT	25.5	9.0	4.5	3.0	3.0	4.5	10.5	16.5	17.5					-	-
Reclaimed Reservoir Storage, AF	145.5	94.6	118.8	127.7	127.7	118.8	87.5	61.6	58.0					-	-
Supplemental Domestic Water Added, AF	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0	5.2

RECYCLED WATER SYSTEM DEMAND															
NON DOMESTIC WATER USER	ALLOC. AF	8% JAN	17% FEB	25% MAR	33% APR	42% MAY	50% JUN	58% JUL	67% AUG	75% SEP	83% OCT	92% NOV	100% DEC	TOTAL	ALLOC. %
Dahlia Court	8.2	0.04	0.02	0.0	0.0	0.2	0.3	0.0	0.7					1.2	15.1%
Dove Canyon Golf Course	106.7	12.49	5.1	4.8	25.1	28.9	31.6	48.0	50.8					206.7	193.8%
Dove Canyon Master Association	279.3	10.92	3.6	3.6	11.2	16.4	17.2	25.9	32.8					121.6	43.5%
Robinson Ranch	80.2	1.41	0.4	0.8	2.8	2.7	2.9	3.2	5.4					19.6	24.5%
Trabuco Highlands	159.7	3.26	27.4	0.2	5.3	6.6	6.0	10.1	7.6					66.4	41.6%
City of RSM	0.1	0.00	0.02	0.00	0.02	0.02	0.02	0.02	0.02					0.12	91.5%
Construction Water	N/A	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.00	N/A
Sakaida Nursery	1.1	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.00	0.0%
SMWD	N/A	0.00	0.0	0.0	0.0	4.4	8.1	5.4	6.4					24.3	N/A
TY Nursery	17.9	0.00	0.00	0.0	0.01	2.6	3.7	6.8	4.6					17.9	99.9%
<b>TOTAL, AF</b>	<b>653.2</b>	<b>28.1</b>	<b>36.5</b>	<b>9.4</b>	<b>44.3</b>	<b>61.9</b>	<b>69.8</b>	<b>99.5</b>	<b>108.4</b>					<b>457.9</b>	<b>70.1%</b>
<b>PERCENTAGE OF NDW ALLOCATION/YEAR</b>		<b>4.3%</b>	<b>9.9%</b>	<b>11.3%</b>	<b>18.1%</b>	<b>27.6%</b>	<b>38.3%</b>	<b>53.5%</b>	<b>70.1%</b>						
<b>TOTAL ANNUAL AVG. NDW AVAILABLE**</b>	<b>774.36</b>														

URBAN RUNOFF CAPTURE AND REUSE															
DISTRICT FACILITY		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	FIVE YEAR AVG
Shadow Rock Detention Basin Production		0.00	10.19	8.18	0.00	0.00	0.00	0.60	0.46					19.43	1.6
Dove   Tick Creek Production*	<i>Dry Season</i>	5.5	5.3	5.8	0.0	0.0	0.0	3.4	3.6					23.6	45.0
	TCWD Portion	5.5	5.3	5.8	0.0	0.0	0.0	1.7	1.8					20.1	-
	SMWD Portion	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.8					3.5	-
Dove Lake Water Pumped		0.0	0.0	0.0	0.0	0.0	0.0	45.1	53.0					98.1	190.1
Dove Lake Free Board, Ft		10.3	3.2	0.0	0.0	0.0	0.0	4.0	7.5					-	-
Dove Lake Storage, AF		131.2	309.0	331.0	331.0	331.0	331.0	294.2	210.0					-	-
Total Rainfall, In.		0.9	2.4	5.2	0.2	0.5	0.3	0.0	0.0					9.5	16.2

\* SMWD share of Dove/Tick Pump Station Dry Season Water is 50% of production.

\*\* Based on 5-Year Average Reclaimed Water Reservoir Base Supply & Recycled Water Production

**TRABUCO CANYON WATER DISTRICT**  
**Sewer System Management Plan (SSMP) Quarterly Report**

**Report Date:** October 1, 2025  
**Report Period:** Third Quarter 2025 - September 2025  
**Prepared By:** Oscar Ulloa, Wastewater Operations Superintendent

District Sub-Section	Santiago/Portola Hills			Dove Canyon			Rancho Cielo/Walden			Robinson Ranch/Trabuco Highlands		
	Total Amount	Amount Completed	% Completed	Total Amount	Amount Completed	% Completed	Total Amount	Amount Completed	% Completed	Total Amount	Amount Completed	% Completed
Sewer Line Cleaned, Feet	44,625	34,216	77%	64,135	64,135	100%	29,865	0	0%	59,170	59,170	100%
Manholes, Inspected/Cleaned	205	68	33%	212	212	100%	124	0	0%	236	236	100%
Manholes Needing Repair	0	0	0%	0	0	0%	0	0	0%	0	0	0%
Wet Wells, Inspected/Cleaned	2	2	100%	3	3	100%	1	1	100%	2	2	100%
Lift Stations, Inspected/Maintained	2	2	100%	3	3	100%	1	1	100%	2	2	100%
Grease Interceptors Inspected	2	2	100%	2	2	100%	10	10	100%	n/a	n/a	n/a

*Note: All Sewage Lift stations are inspected 3-4 times a week*

Contract Services	O'Neill Park/OCFA			The Oak's		
	Total Amount	Amount Completed	% Completed	Total Amount	Amount Completed	% Completed
Sewer Line Cleaned, Feet	12,700	12,700	100%	1,550	0	0%
Manholes, Inspected/Cleaned	95	95	100%	5	0	0%
Manholes Needing Repair	0	0	0%	0	0	100%
Wet Wells, Inspected/Cleaned	1	1	100%	2	2	100%
Lift Stations, Inspected/Maintained	1	1	100%	1	1	100%
Grease Interceptors Inspected	0	0	0%	0	0	100%

**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING | OCTOBER 1, 2025**

**OPERATIONAL MATTERS**

**ITEM 6: MAINTENANCE DEPARTMENT UPDATES**

---

The following is a brief report of work completed by Maintenance staff through **September 2025**.

**Projects and Repairs**

Maintenance staff performed and/or completed the following tasks and projects:

**Water Operations**

1. Witnessed slip line project start up on DWTP transmission line.

**Wastewater Operations**

1. Received new dual head air compressor for WWTP.
2. Assisted Wastewater dept with sewer line cleaning on Santiago Canyon Road.

**District Fleet Upgrades & Other Projects**

1. BIT Program.
2. Prepped Porter Ranch for OCFA USAR training.
3. Received new 200-gallon water tank skid.
4. Received five (5) new small generators: one 5500 watt, two 3500 watt and two 2000 watt. These are the smaller job site type used for power tools and loss of power for our telemetry sites.
5. Cleaned up shop and Maintenance yard in preparation for facility tours.

**RECOMMENDED ACTION:**

*Committee to receive system status updates. No action required.*

**EXHIBITS**

None

**CONTACTS (staff responsible): PEREA/STROUD**

**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING | OCTOBER 1, 2025**

**REGULATORY AND OTHER MATTERS**

**ITEM 7: OTHER MATTERS/REPORTS**

---

Other Matters/Reports from the General Manager and/or District staff may be provided at the time of the Engineering/Operational Committee Meeting.

**RECOMMENDED ACTION:**

*Hear Other Matters/Reports that may have arisen after the posting of the agenda.*

**EXHIBITS**

None

**CONTACTS (staff responsible): PALUDI/PEREA**