



ENGINEERING/OPERATIONAL COMMITTEE MEETING AGENDA
TRABUCO CANYON WATER DISTRICT
32003 DOVE CANYON DRIVE, TRABUCO CANYON, CA
ADMINISTRATION FACILITY, BOARDROOM
SEPTEMBER 7, 2022 AT 7:00 AM

COMMITTEE MEMBERS

Stephen Dopudja, Committee Chair
Michael Safranski, Committee Member
Ed Mandich, 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. You may submit public comments by email to the Committee at 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 by email to the Committee at 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 by email to the Committee at 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 | SEPTEMBER 7, 2022

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. August 3, 2022 Committee Meeting

ITEM 2: DISCUSSION CONCERNING TRABUCO CANYON WATER DISTRICT'S RECYCLED WATER PERMIT

RECOMMENDED ACTION:

Committee to receive information at the time of the Committee meeting and make recommendation(s) as deemed appropriate.

ITEM 3: OTHER ENGINEERING AND OPERATIONS PROJECT UPDATES

1. Dove Lake Outlet Works Project Update
2. Quarterly Capital Improvement Program Update
3. Master Plan and Condition Assessment Update
4. Other Projects

RECOMMENDED ACTION:

Committee to receive project status updates at 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.



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. 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 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.

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 | SEPTEMBER 7, 2022**

ADMINISTRATIVE 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. August 3, 2022 Committee Meeting*

CONTACTS (staff responsible): PALUDI/PEREA/SANGI



**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | AUGUST 3, 2022**

DIRECTORS PRESENT

Stephen Dopudja, Committee Chair
Mike Safranski, Committee Member

STAFF PRESENT

Fernando Paludi, General Manager
Michael Perea, Assistant General Manager
Lorrie Lausten, District Engineer
Karen Warner, Principal Accountant
Lisa Marie Sangi, Executive Assistant
Gary Kessler, Water Superintendent
Jason Stroud, Maintenance Superintendent
Oscar Ulloa, Wastewater Superintendent

PUBLIC PRESENT

None

COSULTANTS PRESENT

Tori Yokoyama, Hazen and Sawyer
Sean Pour, Hazen and Sawyer
Joey Gutierrez, JIG Consultants

CALL MEETING TO ORDER

Director Dopudja called the August 3, 2022 Engineering/Operational Committee Meeting to order at 7:04 AM.

VISITOR PARTICIPATION

No comments were received.

ORAL COMMUNICATION

No comments were received.

COMMITTEE MEMBER COMMENTS

No comments were received.

REPORT FROM THE GENERAL MANAGER

No comments were received.

ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

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

RECOMMENDED ACTION

The Committee recommended that the Engineering/Operational Committee Meeting Recap(s) be forwarded to the Board of Directors for approval (Consent Calendar).

ITEM 2: DISCUSSION CONCERNING THE DISTRICT'S 2021 SYSTEMWIDE MASTER PLAN AND CONDITION ASSESSMENT

Mr. Paludi introduced the Mr. Yokoyama and Mr. Pour with Hazen and Sawyer (Hazen) to the Committee, and he commended District staff and Hazen for their hard work on this project. Ms. Lausten provided a brief update on the preparation of the master plan update and condition assessment of the District's facilities, and she reviewed the completed items to date with a timeline for completion. Mr. Yokoyama and Mr. Pour delivered a PowerPoint presentation which reviewed District assets and provided a brief overall condition assessment hierarchy and highlighted the Power BI Dashboard software solution. Discussion occurred concerning integration with the District's CMMS system and the overall facility remaining useful life graph. Director Dopudja expressed his appreciation for staff's efforts on this matter, and he thanked the Hazen team for the presentation.

RECOMMENDED ACTION:

There was no action taken.

ITEM 3: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING DIMENSION WATER TREATMENT PLANT (DWTP) TRAILER REPLACEMENT PROJECT

Mr. Paludi introduced this information item for Committee consideration. Ms. Lausten introduced Mr. Gutierrez to the Committee, and she provided a brief update on this project. Mr. Gutierrez provided a brief highlight of the proposed construction plans which incorporated the Committee's comments on the proposed facility from prior meetings. Discussion occurred concerning on the total project costs for the facility and the benefit of mobile versus permanent structures.

RECOMMENDED ACTION:

There was no action taken.

ITEM 4: TOPANGA BOOSTER PUMP STATION AUTOMATIC TRANSFER SWITCH (ATS) REPLACEMENT PROJECT

Mr. Paludi introduced this matter for Committee consideration, and he highlighted the importance of this matter in relation to the facility's proximity to the wildfire interface. Mr. Perea provided a brief overview of the facility services to the associated community, and he presented the requested proposals for replacement of the automatic transfer switch (ATS) and other related electrical upgrades. Discussion occurred concerning certain confusion related the proposals as presented in conjunction with the proposed recommended action. Mr. Perea withdrew the recommended action as amended, and he recommended amending this matter for future discussion and consideration.

RECOMMENDED ACTION:

No action was taken.

ITEM 5: OTHER ENGINEERING AND OPERATIONS PROJECTS

1. South Orange County IRWM Grant Project

Mr. Paludi reported that the South Orange County Integrated Regional Watershed Management (IRWM) Area grant application was submitted for the expansion of the District's Tick Creek Recycled Water Pump Station. Mr. Paludi briefly reviewed the review and approval process which includes member agency review and interviews of applicants. Mr. Paludi added that an update on this matter will be provided at a future meeting.

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | AUGUST 3, 2022**

2. Other Projects

Mr. Perea provided a brief update on the SCADA upgrade project, and he reported that District staff is working with TESCO Controls to remediate an issue with the end of month reporting function. Mr. Perea mentioned that the reporting feature did not initially provide the required data points, but that District staff are working to collect the necessary information to provide to the Department of Public Health (DPH) per regulatory requirements.

Mr. Paludi provided a brief update on the Saddle Crest Development, and he reported on new home construction in the lower portion of the development and that the testing of the onsite reservoir and pump station is pending until certain known operational issues have been addressed by the developer.

RECOMMENDED ACTION

The Committee received the status updates. There was no action taken.

ITEM 6: WATER SYSTEM UPDATES

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

1. Flushed 68 hydrants in the Dove Canyon Community.
2. Restored SCADA control to the Trabuco Oaks Pressure Regulator Valve (PRV).
3. Worked with Delco Sales to service 15 flow control valves at the Dimension Water Treatment Plant.
4. Replaced a fire hydrant on Weeping Willow in the Walden Homes Community.
5. Continued to work with Cartegraph on the new CMMS system.
6. Worked with Maintenance Department to clean up landscape for Orange County Fire Authority (OCFA) approval.
7. Dimension Water Treatment Plant (DWTP) was back online 7/5/2022 and Water Operations staff continues to work with Tesco Controls to improve the SCADA system at this facility.

Mr. Kessler reviewed the Monthly Water System Operations Summary with the Committee.

RECOMMENDED ACTION

The Committee received the status update. There was no action taken.

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. Removed 200 feet of a 6-inch HDPE pipe from the Shadow Rock Detention Basin for future projects.
2. Repaired a leak on a filter located at the Dove Recycle Booster Station.
3. Rehab of sewer manhole and gravity lines to eliminate trouble spot in Dove Canyon Community.
4. Worked on preparing Cartegraph templates for the CMMS program.
5. Removed all bypass equipment from the Golf Club Sewer Lift Station.

Mr. Ulloa reviewed the Monthly Non-Domestic Water System Summary report for July 2022.

RECOMMENDED ACTION

The Committee received the status update. There was no action taken.

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | AUGUST 3, 2022**

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:

1. Scheduled Evans Hydro for onsite startup of the 1CFS booster pump located at the Dimension Water Treatment Plant.
2. Picked up a spare submersible pump for the Golf Club Lift Station.
3. Picked up materials and toured the P&F shop located in San Bernadino, which is a distributor of High-Density Polyethylene.
4. Assisted with the Dove Lake pump-barge build.
5. Repaired the hydraulic system leak on the Vactor truck.
6. Sent hydraulic ram out for emergency repair for the Belt Press at the Wastewater Treatment Plant.
7. Assisted the Wastewater Operations with the manhole rehab on Golf View, located in the Dove Canyon Community.
8. Assisted Wastewater Operations with the Golf Club Lift Station bypass rental equipment clean up and return.
9. Attended the Cartegraph CMMS meetings.
10. Repaired a hydraulic leak on the CAT backhoe.

RECOMMENDED ACTION

The Committee received the status update. There was no action taken.

ITEM 9: OTHER MATTERS/REPORTS

There were no other matters presented for consideration.

RECOMMENDED ACTION

There was no action taken.

ADJOURNMENT

Director Dopudja adjourned the August 3, 2022 Engineering/Operational Committee Meeting at 8:45AM.

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING | SEPTEMBER 7, 2022**

ENGINEERING MATTERS

ITEM 2: DISCUSSION CONCERNING TRABUCO CANYON WATER DISTRICT'S RECYCLED WATER PERMIT

Trabuco Canyon Water District (District) owns and operates the Robinson Ranch Water Recycling Plant (RRWRP), which produces recycled water in accordance with Order No. 97-52 "Waste Discharge and Water Recycling Requirements for the Production and Purveyance of Recycled Water by Member Agencies of the South Orange County Reclamation Authority, Orange County" issued by the San Diego Regional Water Quality Control Board (RWQCB) on October 15, 1997. Since the South Orange County Wastewater Authority (SOCWA) is the successor agency to the South Orange County Reclamation Authority, SOCWA is the current permittee for the RRWRP as well as other water recycling plants operated by other SOCWA member agencies that participate in Project Committee 12 (PC 12).

The District is interested in evaluating the long-term benefits of assuming responsibility for its own water recycling permit and associated obligations should the District's Board of Directors act to withdraw from the SOCWA Joint Powers Authority. The District has retained the services of DDB Engineering, Inc. and Michael R. Welch, Ph.D., P.E., to prepare a report summarizing the steps and estimated costs that would be associated with permitting and regulatory compliance, monitoring, and reporting associated with permitting directly with the RWQCB. The consultants' preliminary findings will be discussed at the time of the meeting.

FUNDING SOURCE:

General Fund

FISCAL IMPACT:

The additional cost or savings resulting from a new recycled water permit directly with the RWQCB has yet to be determined.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

RECOMMENDED ACTION:

Committee to receive information at the time of the Committee meeting and make recommendation(s) as deemed appropriate.

EXHIBIT(S):

None

CONTACTS (staff responsible): PALUDI/PEREA/LAUSTEN/ULLOA

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING | SEPTEMBER 7, 2022**

ENGINEERING MATTERS

ITEM 3: OTHER ENGINEERING AND OPERATIONS PROJECT UPDATES

1. Dove Lake Outlet Works Project Update
2. Quarterly Capital Improvement Program Verbal Update
3. Master Plan and Condition Assessment Update
4. Other Projects

RECOMMENDED ACTION:

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

EXHIBIT(S):

None

CONTACTS (staff responsible): PALUDI/PEREA/LAUSTEN

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING | SEPTEMBER 7, 2022**

OPERATIONAL MATTERS

ITEM 4: WATER SYSTEM UPDATES

The following is a brief report of the water system for **August 2022**.

Projects and Repairs

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

1. Repaired an eight-inch water main break on Golf View in the Dove Canyon Community.
2. Replaced two hydrants on Springside and Lakeridge in the Dove Canyon Community.
3. Assisted the Meter Department with the replacement of two curb stops on Via Del Viento in the Rancho Cielo Community and Wood Canyon in Santiago Estates Community.
4. Flushed seventy-two hydrants in Dove Canyon and Rancho Cielo Communities.

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): PALUDI/KESSLER

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

2022													
DIMENSION WTP													
	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL
Number of Days	31	28	31	30	31	30	31	31	30	31	30	31	365
SAC METER AC/FT	138	151	51	0	0	0							340
BACKWASH AC/FT	4	4	1	0	0	0.2	4						13
FLUSHWATER AC/FT	6	7	2	0	0	0.5	6						22
WTP EFFLUENT AC/FT	141	151	47	0	0	0	214						553
WELLS													
TRABUCO CREEK GWTF	0	0	0	0	0	0	0						0
US WELL AC/FT	0	0	0	0	0	0	0						0
AMP WATER													
SMWD AC/FT	0	0	27	57	75	54	3						216
IRWD AC/FT	3	0	80	117	123	115	20						458
TOTAL SUPPLY													
AC/FT	144	151	154	174	198	169	237						1,227
CFS DAILY AVERAGE	2.3	2.7	2.6	2.9	3.2	2.7	3.8						2.9
AC/FT PER DAY	4.6	5.4	5.0	5.8	6.4	5.5	7.6						5.8
OPERATIONS in GAL.													
WTP DOMESTIC	38,672	31,715	11,070	374	0	2,917	86,170						170,918
WWTP DOM	710	750	1,181	1,655	1,758	1,571	1,792						9,417
OPERATIONS (AF)													
SUPPLEMENT TO RW	0	0	0	0	0	0	0						0
LOSSES in GAL.													
FLUSHING (gal.)	0	0	170,000	0	0	1,000	204,000						375,000
SEWER CLEANING (gal.)	5,000	5,000	5,000	5,000	5,000	5,000	5,000						35,000
LINE BREAKS (gal.)	100,000	50,000	0	300,000	25,000	0	0						475,000
SYSTEM DEMAND **													
CFS DAILY AVERAGE	2.3	2.6	2.6	2.9	3.2	2.8	3.8						2.9
AC/FT PER DAY	4.6	5.4	5.0	5.8	6.4	5.5	7.6						5.8
RESERVOIR STORAGE													
MONTHLY AVG (MG)	8.8	9.0	8.9	8.8	9.0	8.9	8.7						9
DAYS OF STORAGE	3	4	4	3	4	4	3						4
ZONES (AF)													
RIDGELINE PS	130	140	43	0	0	0	202						515
EL TORO P.S.	3	0	80	117	123	115	20						458
TOPANGA	2	2	2	2	3	3	3						17
FALCON	0.4	0.5	0.6	0.7	0.9	0.8	0.8						5
ROSE PRV/ OAKS	3	2	4	3	4	3	3						22
CANYON CREEK	0.2	0.5	0.3	0.3	0.3	0.4	0.5						3
ROSE P.S.	0.4	0.2	0.2	0.1	0.1	0.04	0.2						1
ROBINSON RANCH	32	39	42	43	43	59	80						338
DOVE CANYON	59	62	70	70	81	85	90						517
PORTOLA HILLS	10	10	10	11	12	12	13						78
* Usage estimated new meter installed													
** Excludes Operational use, losses, and supplement to Recycled Water Reservoir (RW)													

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING | SEPTEMBER 7, 2022**

**OPERATIONAL MATTERS
ITEM 5: WASTEWATER SYSTEM UPDATES**

The following is a brief report of the wastewater system for **August 2022**.

Projects and Repairs

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

1. Cleaned the Wet Wells at Golf Club Lift Station, Barneburg Lift Station, Plano Lift Station, Bell Canyon Lift Station, and Heritage Lift Station.
2. Installed and calibrated a new flow meter at the Tick Creek Dry Season Recovery station.
3. Repaired a leak on the Heritage Lift station force main.
4. Installed an emergency call out system at the Bell Canyon Lift Station.
5. Inspected a manhole repair in the Saddlecrest Development.
6. Assisted Myers Marine Division dive crew at Dove Lake for temporary repairs on the air vent line.
7. Completed line cleaning of all the collections system within one year.

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:

Sewer System Management Plan (SSMP) Monthly Update	
Total Sewer Line, Feet*	212,045
Total Sewer Line Cleaned (Ft) – Month	50,705
Total Sewer Line Cleaned (Ft) – Cleaning Cycle	212,045
Cleaning Cycle Period (Mos.) [Start date: 8/9/21]	12
Total Sewer Line Cleaned, %	100%
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 2022
SSMP Program Audit – <i>Next Audit Report**</i>	February 2023

**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

CONTACTS (staff responsible): PALUDI/PEREA/ULLOA

TRABUCO CANYON WATER DISTRICT | NON-DOMESTIC WATER SYSTEM SUMMARY - 2022

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	49.9	42.6	44.1	44.6	44.1	42.6	44.6	44.1					356.6	534.4
Reclaimed Reservoir Level, FT	1274.5	1,273.8	1,274.2	1,270.5	1,268.0	1,263.5	1,261.0	1,261.4	1,261.0					-	-
Reclaimed Reservoir Free Board, FT	25.5	0.7	0.3	4.0	6.5	11.0	13.5	13.1	13.5					-	-
Reclaimed Reservoir Storage, AF	145.5	138.6	140.5	122.8	108.9	84.8	73.2	75.0	73.2					-	-
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	44.5

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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2					1.5	18.2%
Dove Canyon Golf Course	106.7	5.8	13.3	21.1	26.3	34.9	52.9	48.7	54.4					257.5	241.4%
Dove Canyon Master Association	279.3	13.0	5.0	14.0	21.7	28.0	24.8	28.7	24.3					159.4	57.1%
Robinson Ranch	80.2	0.8	1.0	1.2	1.7	2.4	5.0	3.3	3.7					18.9	23.5%
Trabuco Highlands	159.7	1.2	2.3	5.0	6.9	9.8	10.3	10.2	7.5					53.2	33.3%
City of RSM	0.1	0.01	0.0	0.00	0.00	0.00	0.00	0.02	0.07					0.09	72.3%
Construction Water	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0	N/A
Sakaida Nursery	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0%
SMWD	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4					4.4	N/A
TY Nursery	17.9	0.0	0.0	20.8	0.1	0.0	0.0	0.0	0.0					20.9	116.7%
TOTAL, AF	653.2	21.1	21.7	62.2	56.8	75.2	93.1	91.1	94.6					515.8	79.0%
PERCENTAGE OF NDW ALLOCATION/YEAR		3.2%	6.6%	16.1%	24.8%	36.3%	50.5%	64.5%	79.0%						
TOTAL ANNUAL AVG. NDW AVAILABLE**	774.36														

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		0.01	0.01	0.03	0.01	0.01	0.01	0.01	0.00					0.09	14.2
Dove Tick Creek Production*	<i>Dry Season</i>	7.4	7.1	1.1	4.6	2.4	2.7	2.2	11.1					38.7	58.8
	TCWD Portion	7.4	7.1	1.1	2.3	1.2	1.4	1.1	5.6					27.1	-
	SMWD Portion	0.0	0.0	0.0	2.3	1.2	1.4	1.1	5.6					11.5	-
Dove Lake Water Pumped		0.0	0.0	0.0	0.0	0.0	40.2	62.7	49.4					152.3	185.8
Dove Lake Free Board, Ft		3.9	3.1	1.2	0.8	0.8	2.5	7.6	12.3					-	-
Dove Lake Storage, AF		161.0	165.0	176.3	177.3	177.3	176.0	95.0	54.0					-	-
Total Rainfall, In.		0.0	0.5	1.5	0.01	0.0	0.0	0.0	0.0					2.0	14.7

* 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

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OPERATIONAL MATTERS

ITEM 6: MAINTENANCE DEPARTMENT UPDATES

The following is a brief report of the wastewater system for **August 2022**.

Projects and Repairs

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

1. Duthie Power conducted preventative maintenance on the emergency generator at the Plano Lift Station and Heritage Lift Station.
2. Final clean up at Golf Club Lift Station.
3. Replaced an old deep sink in the Maintenance shop for a new deep sink/eye wash setup.
4. Attended the AWWA WES (Water Education Seminar) at Santiago College.
5. Shut down Dove Recycle Booster Pump Station for maintenance on the flow meter.
6. Assisted Wastewater Department with the Dove Lake vent line assessment.
7. Assisted Wastewater Development with the Saddle Crest Development sewer system inspection.

RECOMMENDED ACTION:

Committee to receive system status updates. No action required.

EXHIBITS

None

CONTACTS (staff responsible): PALUDI/STROUD

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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