



**ENGINEERING/OPERATIONAL COMMITTEE MEETING AGENDA
TRABUCO CANYON WATER DISTRICT
ADMINISTRATION FACILITY
32003 DOVE CANYON DRIVE, TRABUCO CANYON, CA
MARCH 5, 2025 AT 8:00 AM**

COMMITTEE MEMBERS

Glenn Acosta, Committee Chair
Mark Anderson, 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. 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 | MARCH 5, 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. February 5, 2025 Committee Meeting

ITEM 2: DISCUSSION REGARDING MOBILE BACKUP GENERATOR POWER SUPPLY AUGMENTATION

RECOMMENDED ACTION:

Receive information at the time of the meeting and take action(s) as deemed appropriate.

ITEM 3: UPDATE ON STATE WATER BOARD CROSS CONNECTION CONTROL PLAN HANDBOOK (CCCPH) REQUIREMENTS AND PLAN ADOPTION

RECOMMENDED ACTION:

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

ITEM 4: OTHER ENGINEERING AND OPERATIONS PROJECT UPDATES

1. Orange County Public Works (OCPW) Trabuco Creek Bridge Project Status
2. 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 5: WATER SYSTEM UPDATES

RECOMMENDED ACTION:

Committee to receive system status updates. No action required.

ITEM 6: WASTEWATER SYSTEM UPDATES

RECOMMENDED ACTION:

Committee to receive system status updates. No action required.

ITEM 7: MAINTENANCE DEPARTMENT UPDATES

RECOMMENDED ACTION:

Committee to receive system status updates. No action required.



**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING AGENDA | MARCH 5, 2025**

REGULATORY AND OTHER MATTERS

ITEM 8: 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 | MARCH 5, 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. February 5, 2025 Committee Meeting*

CONTACTS (staff responsible): PALUDI/PEREA



TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | FEBRUARY 5, 2025

DIRECTORS PRESENT

Glenn Acosta, Committee Chair
Mark Anderson, Committee Member

STAFF PRESENT

Fernando Paludi, General Manager
Michael Perea, Assistant General Manager
Lorrie Lausten, District Engineer
Oscar Ulloa, Wastewater Superintendent
Jason Stroud, Maintenance Superintendent
Roseann Lejsek, Executive Assistant

STAFF ABSENT

Gary Kessler, Water Superintendent

DISTRICT CONSULTANTS

None

PUBLIC PRESENT

None

CALL MEETING TO ORDER

Director Acosta called the February 5, 2025 Engineering/Operational Committee Meeting to order at 8:09 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).

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | FEBRUARY 5, 2025**

ITEM 2: SOURCES OF SUPPLY AD HOC COMMITTEE REPORT – JANUARY 28, 2025 MEETING

Mr. Paludi presented this matter for Committee consideration, and he reported that the District formed an Ad Hoc Committee to focus on the planned improvements for the Dimension Water Treatment Plant (DWTP) system and transmission main pipeline, which are currently offline. Director Anderson provided a summary of the Committee discussion concerning the current operational status of the pipeline and the appropriate solution, including, but not limited to rehabilitating the pipeline. Director Anderson added that this project is not in the current adopted Capital Improvement Program (CIP) budget but that slip lining the pipeline seemed to be the best solution, and that Ms. Lausten was putting together budgetary costs for the repair. Discussion occurred concerning the prioritization of District capital improvement projects and the reliance on one source of water supply from Irvine Ranch Water District (IRWD). Director Anderson also stated that the District is in a vulnerable position going into the summer months where demand increases, and he stated that the District is purchasing treated water from IRWD at a premium. Director Anderson stated that Mr. Paludi was to set up a meeting with IRWD to discuss the District's costs for treated water and alternative sources of supply, and he stated that these items would be brought to the full Board once a full budget estimate and timeline are confirmed.

Mr. Paludi stated that filter #4 at DWTP still needs structural design and repairs, and he stated that if the pipeline is going to be slip-lined that the long-term fixes for the plant will need to be evaluated and he believes the total costs to be between seven and eight million dollars. Mr. Paludi stated that the District will need to take a hard look at the CIP and remove projects or raise rates again. Mr. Paludi stated that we need to look at all options and that the Board deserves to have other options.

Ms. Lausten stated that the slip lining material will take approximately three months to procure, and that the contractor will be able to slip line one thousand feet of pipeline per day. Ms. Lausten stated that there is an option to use an emergency contractor if we want to expedite the process.

Director Acosta asked if there is enough room in the CIP to defer other projects. Mr. Paludi stated that there is the potential to defer projects and that the District has approval to reallocate capital funding in order to complete these projects.

RECOMMENDATION: None – Informational item only.

ITEM 3: DISCUSSION CONCERNING TRABUCO CANYON WATER DISTRICT SERVER UPGRADE PROJECT – CAL-OES CYBERSECURITY GRANT FUNDED

Mr. Paludi presented this matter for Committee consideration, and he reported that the District has been awarded a Cal OES Cybersecurity grant. Mr. Perea provided a background of the original server project and budget totaling \$180,000 which was approved by the Board of Directors in August 2024. Mr. Perea reported that soon after the Board's approval for the original project, Cal OES announced the Cybersecurity grant funding up to \$250,000 per recipient without agency matching. Mr. Perea reported District staff worked with Highroad IT and Soto Resources to apply for the grant, and the District was awarded the full \$250,000 grant in December 2024. Mr. Perea stated that staff is asking the Board to increase the original budget of \$180,000 to \$300,000, with \$250,000 funded by the Cal OES Cybersecurity grant. Mr. Perea noted that this would bring the District's actual costs down to \$50,000 instead of the original \$180,000. Mr. Perea added that as a condition of the grant, Cal OES requires a resolution to be passed and that the recommended action will be amended to include the resolution.

RECOMMENDATION: Recommend the Board of Directors approve the following actions:

1. Amend the FY 2024-25 Capital Improvement Program Server Upgrade Project budget to \$300,000 with partial funding of \$250,000 from the approved CalOES Cybersecurity Grant (Action Calendar).

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | FEBRUARY 5, 2025**

2. Approve the Highroad IT Quote No. TCWD25-0129A in the amount of \$279,146.26 for the TCWD Server Project Upgrade (Action Calendar).

ITEM 4: 2024 UPDATE TO STANDARD DRAWINGS, SPECIFICATIONS, AND CONSTRUCTION MANUAL

Mr. Paludi presented this matter for Committee consideration. Ms. Lausten provided a brief overview of the contents of the manual, and she stated the last update was completed 17 years ago. Ms. Lausten reported that the manual was currently being reviewed by General Counsel and that this matter would be brought as an informational item to the February Regular Board Meeting and final approval in March. Ms. Lausten added that Engineering worked with Mr. Kessler and Mr. Ulloa and that the departments have thoroughly reviewed the manual. Discussion occurred on whether the Saddleback Meadows developer is aware of the new proposed standards; Director Anderson stated that it may be prudent to provide the developer with the District's most current standards and drawings.

RECOMMENDATION: Recommend the Board of Directors adopt Resolution No. 2025-1340 adopting the Domestic and Non-Domestic Water and Sewer Design & Construction Manual (Action Calendar).

ITEM 5: RESOLUTION CLARIFYING APPLICATION OF IN-LIEU STORAGE FEES

Mr. Paludi presented this matter for Committee consideration, and he stated that General Legal Counsel is preparing supporting documents that will be provided at the Regular Board Meeting. Mr. Paludi stated that the District intends to provide additional clarification on which developments require the preparation of a sub-area master plan or may pay in-lieu storage fees. Mr. Paludi stated that the General Counsel has recommended that the General Manager draft a memo clarifying the District's application of in-lieu storage fees with subsequent ratification by the Board of Directors by resolution at the Regular Board Meeting. Discussion occurred regarding the current in-lieu storage fees.

RECOMMENDATION: None – Informational item only.

ITEM 6: POTABLE WATER SYSTEM STORAGE EVALUATION 2024 UPDATE

Mr. Paludi presented this matter for Committee consideration, and he reported that Hazen & Sawyer was retained to review and update the District's storage inventory and future needs. Ms. Lausten reported that the District's 2022 Master Plan states that the District's storage criteria is to have 7 days of emergency storage, and that this is consistent with Metropolitan Water District of Southern California's (MET) criteria. Ms. Lausten provided the Committee with a summary of Hazen's evaluation results. Discussion occurred regarding the District's 7-day criteria versus actual current days of storage, and whether the District is maximizing storage.

RECOMMENDATION: Recommend the Board of Directors receive and file the Trabuco Canyon Water District – 2024 Storage Evaluation report (Action Calendar).

ITEM 7: GOLF CLUB SEWER LIFT STATION IMPROVEMENTS PROJECT COMPLETION

Mr. Paludi presented this matter for Committee consideration. Ms. Lausten provided a summary of the improvements made to the station from 2021-2024, and she stated that the project costs have been approximately \$3 million over the last four to five years. Discussion occurred regarding the original scope and cost of the project, and Mr. Paludi stated that the project has evolved over time.

RECOMMENDATION: None – Informational item only.

ITEM 8: HERITAGE SEWER LIFT STATION IMPROVEMENTS PROJECT PHASE 1 COMPLETION

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | FEBRUARY 5, 2025**

Mr. Paludi presented this matter for Committee consideration, and he stated that Phase 1 is complete of this multi-phase project. Ms. Lausten provided a brief summary of the Phase 1 improvements made to the station from 2021-2024 and she provided a brief overview of the improvements planned for Phase 2 of the project.

RECOMMENDATION: None – Informational item only.

ITEM 9: OTHER ENGINEERING AND OPERATIONS PROJECT UPDATES

1. District Facility Backup Generator Power Summary

Mr. Paludi commended Mr. Perea's efforts in working with staff to identify the District's energy needs. Mr. Perea expressed his appreciation to the superintendents for their assistance in identifying the District's facilities and potential vulnerabilities. Mr. Perea provided a handout to the Committee with staff's findings. Mr. Stroud provided an update on staff's efforts to purchase small and medium-sized generators, and he discussed the challenges of mobility and placement of larger generators.

2. Saddle Crest Development Update

Mr. Paludi provided an update on this matter, and he reported that the Saddle Crest settlement is close to a final resolution. Mr. Paludi stated that the final inspection and acceptance of facilities should happen in the next two to three months. Mr. Paludi added that the District will need to complete a small CIP project of approximately \$300,000 for improvements to the system.

3. Oaks at Trabuco Development Update

Mr. Paludi provided an update on this matter, and he provided a brief overview of the Oaks at Trabuco Development's construction timeline. Mr. Paludi stated that the District has a contractual agreement with the Developer to accept and operate the package sewer plant that needs to be honored. Mr. Paludi stated that the District will bring the plant online and operate on a provisional basis.

4. Other Projects

None

RECOMMENDATION: None – Informational item only.

ITEM 10: WATER SYSTEM UPDATES

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

1. Worked with contractor to replace 8" isolation valve on the slope at the end on Foxtail in Dove Canyon.
2. Serviced all 4 pump flow control valves at El Toro BPS.
3. Worked to keep generator power running at all key locations during extended PSPS event.
4. Exercised 102 valves in the Dove Canyon and Rancho Cielo service areas.

Mr. Perea presented the Water System Summary for Committee review. Mr. Perea reported that Mr. Serpas was working with his counterparts at Irvine Ranch Water District (IRWD) to receive certain SCADA information from the Baker Water Treatment Plant. Director Anderson noted that the Santiago Aqueduct Commission reported the potential for a temporary shutdown of the SAC line in Fall 2025 for approximately one week for pipeline realignment.

RECOMMENDATION: None – Informational item only.

ITEM 11: 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. Repaired 8" line break at Dove Recycle Pump Station.
2. Assisted in the fiber optic work at the WWTP.
3. Assisted in the cutover to the new SCADA system at Dove and Tick Creek Dry Season Recovery System.
4. Replaced the call-out float at Plano Sewer Lift Station.
5. Replaced a submersible pump at Shadow Rock Dry Season Recovery.

Mr. Ulloa presented the Recycled Water System Summary for Committee review. .

RECOMMENDATION: None – Informational item only.

ITEM 12: 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. Mobilized emergency generators to Field Office/Booster One pump station.
2. Mobilized emergency generator to Canyon Creek booster pump station.
3. Oil changes on booster pumps at Plano Intertie.
4. Hydrotech disconnected pump #2 at Shadow Rock dry season recovery for removal.

Wastewater Operations

1. El Toro Lift Station bypassed due to Surge Tank system failure. Waiting for replacement parts.
2. Golf Club Lift Station bypass to replace failed flow meter with new flow meter. PacHydro and Hydrotech Electric performing work.
3. MWDOC site visit at WWTP is preps for Boy Scout field trip.
4. Assisted Wastewater with pipe/header repair at Dove Recycle Booster Pump Station.
5. Rebuilt slope at Dove Recycle Booster Station due to water erosion.
6. Continued Fiber Optic install with Hydrotech at WWTP.

District Fleet Upgrades & Other Projects

1. Assisted with re-fueling emergency generators during SCE PSPS.
2. Oil change on truck #25.
3. Sent out Truck #18 to upholstery shop for front seat repair.
4. Sent out Truck #1 for new brakes and suspension alignment.
5. Attended CERT training at OC Sheriff Training Center with WEROC, El Toro WD, and City of Orange. Emergency water distribution displays were onsite and demonstrated to CERT participants.
6. Sat on an interview panel for City of Westminster to begin a hiring process for Meter Dept foreman.
7. SMOG HD diesel trucks.

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Mr. Perea reported that he and staff are working with MWDOC to host approximately 80 Boy Scouts in April, and that the District plans to host a smaller troop from Dove Canyon in the near future.

RECOMMENDATION: None – Informational item only.

ITEM 13: OTHER MATTERS/REPORTS

There were no other matters reported.

RECOMMENDATION: None

ADJOURNMENT

Director Acosta adjourned the February 5, 2025 Engineering/Operational Committee Meeting at 9:35 a.m.

DRAFT

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING | MARCH 5, 2025**

ENGINEERING MATTERS

ITEM 2: DISCUSSION REGARDING MOBILE BACKUP GENERATOR POWER SUPPLY AUGMENTATION

Trabuco Canyon Water District (TCWD or District) owns and operates water, wastewater, and recycled water treatment and pumping facilities that require a significant amount of electrical energy to ensure continuity of services to its customers. Recently, Southern California Edison (SCE) has implemented [Public Safety Power Shutoffs \(PSPS\)](#) to proactively deactivate their electric grids and circuits during periods of adverse weather conditions, specifically, high wind events. Beginning in mid-October 2024 through January 2025, SCE has activated approximately eight (8) PSPS events due to high wind conditions based on internal assessments by their meteorologists and incident management teams. Some of these PSPS events lasted for seven days or more, which has the potential to create serious interruptions of water service for District customers in rural areas.

District staff have performed an internal analysis of all backup generator power equipment, both onsite and mobile, at District operated facilities throughout the service area and the respective energy demands to identify areas of improvement and/or enhancement to meet the reality of frequent PSPS events and extended power outages in the District’s service area. Based on the analysis, there is a need to augment the District’s mobile backup generator power supply to meet certain emergency preparedness needs, specifically at the following water operations facilities:

Facility Description	Onsite Backup Generator, Y/N	Minimum Electrical Needs, KW	Backup Gen Critical Priority
WATER OPERATIONS			
Booster Pump Stations (BPS)			
El Toro BPS	N	350 kw	Yes
Falcon BPS	N	275 kw	Yes
Canyon Creek BPS	N	170 kw	Yes
Robinson Ranch BPS	N	275 kw	Yes

A full summary of the internal analysis was reviewed with the Board of Directors at the February 20, 2025 Regular Board Meeting and is included with this staff report. District staff has procured budgetary estimates for the purchase of mobile electrical generators, both 240kw and 300 kw (attached), for discussion purposes. More information may be provided at the time of the meeting.

FUNDING SOURCE:

None at this time.

FISCAL IMPACT:

To be determined.

RECOMMENDED ACTION:

Receive information at the time of the meeting and take action(s) as deemed appropriate.

EXHIBIT(S):

1. District Facility Backup Generator Power Summary
2. Duthie Power Services Proposal - 240kw Portable Generator
3. Duthie Power Services Proposal – 300kw Portable Generator

CONTACTS (staff responsible): PALUDI/PEREA/STROUD

**TRABUCO CANYON WATER DISTRICT
DISTRICT FACILITY BACKUP POWER GENERATOR SUMMARY**

	Facility Description	Onsite Backup Generator, Y/N	Storm Weather Switch Installed	Install Date, MM/DD/YY	Age, Years	Status/ Condition	Minimum Electrical Needs, KW	Compliant w/ State Regs, Y/N	AQMD Issue Date	Backup Gen Critical Priority
WATER OPERATIONS										
Treatment Facilities										
1	Dimension Water Treatment Plant	N	<input type="checkbox"/>	N/A	N/A	N/A	650 kw	N/A	N/A	
2	Trabuco Creek Groundwater Treatment Facility	N	<input checked="" type="checkbox"/>	N/A	N/A	N/A	400 kw	N/A	N/A	
Booster Pump Stations (BPS)										
3	Ridgeline BPS	Y	<input type="checkbox"/>	2019	6	GOOD	400 kw	Y	3/30/2023	
4	El Toro BPS	N	<input type="checkbox"/>	N/A	N/A	N/A	350 kw	N/A	N/A	Yes
5	Topanga BPS	Y	<input checked="" type="checkbox"/>	1997	28	POOR	150 kw	N	none on file	
6	Saddle Crest BPS	Y	<input type="checkbox"/>	2020	5	UNKNOWN	80 kw	Y	6/28/2023	
7	Falcon BPS	N	<input checked="" type="checkbox"/>	N/A	N/A	N/A	275 kw	N/A	N/A	Yes
8	Canyon Creek BPS	N	<input type="checkbox"/>	N/A	N/A	N/A	170 kw	N/A	N/A	Yes
9	Plano BPS	N	<input checked="" type="checkbox"/>	N/A	N/A	N/A	3000 w	N/A	N/A	
10	Robinson Ranch BPS	N	<input checked="" type="checkbox"/>	N/A	N/A	N/A	275 kw	N/A	N/A	Yes
Reservoirs										
11	Cooks Reservoir	N	<input type="checkbox"/>	N/A	N/A	N/A	3000 w	N/A	N/A	
12	Saddle Crest Reservoir	Y	<input type="checkbox"/>	2020	5	UNKNOWN	80 kw	Y	6/28/2023	
13	Harris Grade Reservoirs	N	<input checked="" type="checkbox"/>	N/A	N/A	N/A	3000 w	N/A	N/A	
14	Trabuco Reservoirs	Solar Backup	<input type="checkbox"/>	N/A	N/A	N/A	3000 w	N/A	N/A	
15	Dove Canyon Reservoir	N	<input checked="" type="checkbox"/>	N/A	N/A	N/A	3000 w	N/A	N/A	
WASTEWATER OPERATIONS										
Treatment Facilities										
16	Robinson Ranch Wastewater Treatment Plant	Y	<input type="checkbox"/>	1984	41	FAIR	250 kw	Y	6/2/1992	
Sewer Lift Stations (SLS)										
17	Barneburg SLS	Y	<input type="checkbox"/>	1988	37	FAIR	60 kw	Y	2/11/1992	
18	Bell Canyon SLS	Y	<input type="checkbox"/>	2021	4	GOOD	125 kw	Y	6/28/2022	
19	Golf Club SLS	Y	<input checked="" type="checkbox"/>	1988	37	FAIR	250 kw	Y	8/26/1992	
20	Via Allegre SLS	Y	<input type="checkbox"/>	1988	37	FAIR	60 kw	Y	12/7/1992	
21	Plano SLS	Y	<input type="checkbox"/>	1982	43	POOR	150 kw	Y	7/25/1991	
22	Heritage SLS	Y	<input checked="" type="checkbox"/>	2000	25	FAIR	100 kw	Y	8/31/2001	
23	El Toro SLS	Diesel Pumps/Bypass	<input type="checkbox"/>	1987	38	POOR	275/450 kw	Y	3/22/1993	
24	O'Neill SLS	Y	<input type="checkbox"/>	2008	17	FAIR	117 kw	Y	10/9/2007	
25	Santiago SLS	N	<input type="checkbox"/>	N/A	N/A	N/A	275 kw	N/A	N/A	
RECYCLED WATER OPERATIONS										
26	Dove Recycled Water Pump Station	N	<input type="checkbox"/>	N/A	N/A	N/A	320 kw	N/A	N/A	
27	Dove Creek Urban Water Recovery Pump Station	N	<input type="checkbox"/>	N/A	N/A	N/A	150 kw	N/A	N/A	
28	Tick Creek Urban Water Recovery Pump Station	N	<input type="checkbox"/>	N/A	N/A	N/A	150 kw	N/A	N/A	
29	Shadow Rock Detention Basin Facility	N	<input type="checkbox"/>	N/A	N/A	N/A	275 kw	N/A	N/A	
30	Dove Lake Pump	N	N/A	N/A	N/A	N/A	150 kw	N/A	N/A	

**TRABUCO CANYON WATER DISTRICT
DISTRICT FACILITY BACKUP POWER GENERATOR SUMMARY**

MOBILE BACKUP GENERATORS										
31	Mobile Generator #1	N/A	N/A	2021	4	OFFLINE - R	275 kw	Y	N/A	
32	Mobile Generator #2	N/A	N/A	2007	18	FAIR	26 kw	N	N/A	
33	Small Generators (Qty X)	N/A	N/A	2015	10	GOOD	3000 w	N/A	N/A	
34	Honda Generators (Qty X)	N/A	N/A	2005	20	GOOD	2500 w	N/A	N/A	
	Mobile Generator	N/A	N/A	N/A	N/A	N/A	275 kw	Y	N/A	Yes
	Small Generator	N/A	N/A	N/A	N/A	N/A	3000 w	Y	N/A	Yes
	Small Generator	N/A	N/A	N/A	N/A	N/A	2500 w	Y	N/A	Yes

Condition Legend

Good - In working order

Fair - In working order but needs improvements/repairs/service

Poor - The backup generator needs rehabilitation/replacement

Unknown

Offline - R - Service for Repairs



The Generator Experts
License #708125
24 Hour Service
www.duthiepower.com

New 300KVA / 240KW Portable Prime Generator Proposal

2025-01-13

Sales Engineer: Mike Goodman
Date Created: 2025-01-13
Valid Until: 2025-03-14

Prepared for: Tony Quinonez
Manager
TRABUCO CANYON WATER DIST
32003 Dove Canyon Dr.
Trabuco Canyon, Ca. 92679

Attention: Tony Quinonez, Manager

Reference: Purchase of New 300KVA / 240kw Portable Generator (3-4 weeks estimated delivery)

Thank you for your inquiry. We are pleased to offer a quote for the following equipment:

- DCA300SSJU4F3
 - 300KVA / 240KW PRIME
 - Camlok panel
 - Battery Charger
 - John Deere
 - Tier 4F
- TRLR300EVE
 - Trailer
 - Pintle connector 3"
- Fuel cell
 - 460 gallon capacity
 - Initial one time fill included
- DEF cell
 - 29 gallon capacity
 - Initial one time fill included
- TEMP CABLE
 - 4- 25' length with Blue Camlok ends
 - 4- 25' length with Red Camlok ends
 - 4- 25' length with Black Camlok ends
 - 4- 25' length with Green Camlok ends
 - 1- 10' length Pigtail Blue Camlok end
 - 1- 10' length Pigtail Red Camlok end
 - 1- 10' length Pigtail Black Camlok end
 - 1- 10' length Pigtail Green Camlok end
 - Battery charger extension cord 100'
 - Block heater extension cord 100'
 - Auto Start signal wire 100'
- Transportation to site
- Sales Tax



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QUOTED LINE ITEM	BRAND	UNIT PRICE	SUBTOTAL
300KVA / 240KW Prime MultiQuip Diesel Portable	MultiQuip	\$300,502.43	\$300,502.43
Total			\$300,502.43

Agreements and Key Assumptions:

- Estimated Delivery: **3-4 weeks** after the receipt of a purchase order and approved submittal.
- Prices valid for 30 days from above date.
- FOB: Jobsite. Offloading, craning, setting, anchoring is by others.
- All deliveries are Monday through Friday 7:00 a.m. to 4:00 p.m. Deliveries outside the normal business hours will be invoiced as necessary. Jobsite installation inspection, initial startup, and initiation of warranty, by a Duthie Power field technician is during normal working hours Monday through Friday 7:00 a.m. to 3:30 p.m.
- Testing will utilize building load unless the specification states otherwise.
- Fuel for testing is excluded.
- Any jobsite orientation and training of operating personnel to be done at the time of startup.
- Warranty is invalid without factory start up.
- Additional charges will be applied to start ups requested on weekends or off normal business hours. The startup cannot be performed until all permits are secured.

The above quotation is based off of verbal request only, no written specifications or drawings provided. This package may or may not fit the owner's application. Pricing subject to change. Only items listed on quotation are included. Exception is taken to anything that is not included in this proposal.

The above quotation is for the sale of equipment only. Installation, wiring, permits, plan check, engineering, plumbing, concrete pad, DPF System and fuel are not included.

Permit and license costs (Air Pollution/Quality, Fire, Building, etc.) are not included in this quote. Duthie Power does not assume any responsibility for obtaining any permits or licenses that may be required. Duthie is not responsible for informing the owner/buyer of any equipment requirements.

All permits must be obtained prior to installation of the equipment.

Acceptance of Quote

Prior to ordering equipment or services, please sign and return as a confirmation of the below terms and conditions:

TERMS AND CONDITIONS

Scope: DUTHIE POWER SERVICES ("Duthie") is pleased to offer the above quotation for your use on the referenced project.

Delivery: Delivery is to the jobsite with offloading by others. All efforts will be made to have all equipment at the jobsite with one delivery during normal weekday working hours of 7:00am to 4:00pm. Delivery or other services occurring at any other time is subject to additional charges. Special job conditions may dictate that one item or more may be needed prior to the balance of the equipment. In that event, payment for the item(s) shipped in advance is due and payable at time of advance shipment. Our invoice for the item(s) shipped in advance may include additional freight charges as a separate item of billing. The total of all invoices will be higher than the original proposal as additional freight costs will be incurred on split shipments.

***If delivery is to DUTHIE prior to the jobsite, the purchase terms may change and Duthie may charge a storage fee for any equipment stored over 30 days after arrival from the manufacturer.**

Lead-times: Current lead time is TBD weeks after receipt of purchase order and approved submittals. The Seller is not liable for any delay or failure to deliver any or all of the goods regardless of cause. Seller shall not be liable for incidental or consequential damages in the event of breach or repudiation of this agreement.



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Engineering: All project or jobsite specific engineering is by others. DUTHIE will assist in design or engineering by providing spec sheets and drawings only. Seismic Calculations are available (at additional costs) by others.

Submittals: Submittals will be provided within ten (10) working days from receipt of written purchase order.

Permits: All permits must be secured prior to installation.

DUTHIE assumes no responsibility for equipment ordered that does not comply with local codes or regulations.

Per SCAQMD Rule 1470, if the diesel generator is rated at or over 50HP and is placed within 100 meters of a K-12 school, a Particulate Trap (PM trap) is required. If the diesel generator is rated over 175HP and is within 50 meters of a sensitive receptor, it must meet the interim Tier 4 emission requirements. For natural gas and liquified propane gas generators, add-on emission control device applicability is based on currently effective Best Available Control Technology policy. For the other air districts outside of the South Coast Air Basin, the emission control requirement is determined on a case by case basis, predicated on the outcome of a site specific health risk assessment. A PM Filter or other add-on emission control device is not included in the above quote unless otherwise noted.

Start-up Testing: Upon completion of installation by others, a start and test will be performed by DUTHIE. It is strongly recommended that the start and test be performed within six months of delivery from the factory. If maintenance or service is required to bring the equipment up to new conditions as a result of the equipment being idle for more than six months, all maintenance, parts, labor and other associated costs will be the responsibility of the owner/buyer. The start and test will be performed during regular business hours, Monday thru Friday 7:00am to 3:30pm. (A start and test performed outside normal business hours will be an additional cost) **Fuel for testing is NOT included.** A building load test will be performed at no charge if it is performed at the time of the start and test. A load bank test with a resistive or reactive load bank is NOT included unless noted in the BOM. If the startup is not completed within 90 days of delivery, Duthie Power will require the job to be paid in full.

Escalation: Prices are firm for delivery for 30 days, subject to acceptance of our quotation.

Venting: Fuel tank venting as required on a local basis is **not** in our proposal, unless otherwise noted. If details are available we may provide a quotation.

Lugging: Lugs on transfer switches, switchgear, and circuit breakers will be per manufacturer standard. No credit is allowed for unused lugs, unless we propose (in writing) to furnish special lugs at a price.

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LOCAL CODE REQUIRED FUEL TANK FEATURES: Increasingly, local fire code enforcement entities are requiring fuel tank options over and above that which is required by National Fire Protection Association (NFPA) or California Fire Code (CFC), such as fuel fill spill containment basins and automatic fuel fill shut-off solenoids. Other requirements may apply to your specific project. We recommend that you contact the fire enforcement entity, having jurisdiction over your project, to determine their specific requirements. *This quote excludes these options unless otherwise noted.*

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Cancellations: Circumstances may require cancellation of some or all of equipment ordered. In that event, cancellation charges will be levied based on actual decisions and costs imposed by manufacturer.

Liens and others: We follow all state and federal laws. Company policy requires that we file preliminary notices. We will also file stop notices or the prerequisite notice on payment bonds if payment for items purchased is not paid according to the terms or before the expiration of time allowed by California Civil Code. This proposal is subject to the terms and conditions stated herein and on the attached page.

Indemnification Clause: Customer is aware that DUTHIE will provide the equipment based on customer's specifications. Equipment provided will be purchased from the manufacturer identified in DUTHIE'S quote and/or customer's purchase order. DUTHIE will transfer to customer the standard warranty policy offered by the manufacturer, and it will not be responsible for product alteration, misuse, abuse by customer, or late delivery due to manufacturer lead time. Customer shall indemnify, defend, and hold harmless DUTHIE from any and all claims, demands, costs, expenses, liabilities, damages, injury or death of any person directly or indirectly arising out of or related to this purchase of equipment from DUTHIE; provided, however, that no Indemnified Party shall be entitled to indemnification for any Claim found by a court of competent jurisdiction to have been caused by the sole negligence or willful misconduct of such Indemnified Party.

ATTORNEY'S FEES: If either parties to this Agreement should bring suit against the other with respect to this Agreement, then all costs and expenses incurred by the prevailing party therein shall be paid by the other party.

Acceptance: A purchase order issued for order implies acceptance of above terms and conditions unless otherwise stated on purchase order. This quote MUST also be signed below before a purchase order can be accepted.

By signing below you are agreeing to the above quotation and terms:



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TRABUCO CANYON WATER DIST

If you have any questions, please do not hesitate to call.

Thank you for allowing me to be of service. For over 50 years, Duthie Power has been lucky to serve as Southern California's "Generator Experts." We appreciate your business and look forward to continuing to serve you!

Signature: _____

Print Name: _____

Date: _____

PO Number: _____

Respectfully,
DUTHIE POWER SERVICES

Mike Goodman

Mike Goodman , Sales Engineer
Duthie Power Services
(562) 790-1772



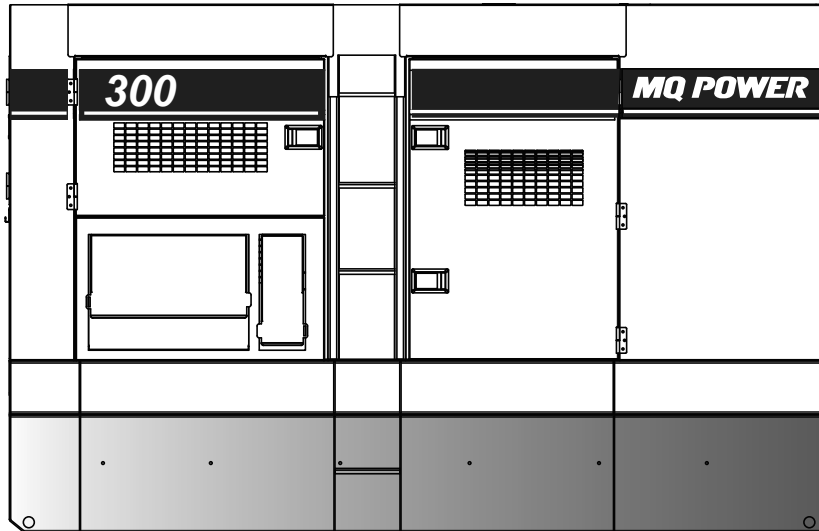
DCA300SSJU4F3 Generator

WhisperWatt™

Prime Rating — 240 kW (300 kVA)

Standby Rating — 264 kW (330 kVA)

3-Phase, 50/60 Hertz, 0.8 PF



STANDARD FEATURES

- Heavy duty, 4-cycle, electronic direct injection, turbocharged, charged air cooler, variable speed fan, 1000W block heater, diesel engine provides maximum reliability.
- EPA emissions certified — Tier 4 Final emissions compliant.
- Microprocessor engine control system maintains frequency to $\pm 0.25\%$.
- Full load acceptance of standby nameplate rating in a single step.
- Fuel/water separator removes condensation from fuel for extended engine life. Panel mounted alarm light included.
- Sound attenuated, weather resistant, steel housing provides operation at 72 dB(A) at 23 feet. Fully lockable enclosure allows safe unattended operation.
- E-coat and powder coat paint provides durability and weather protection.
- UN31A internal fuel tank with direct reading fuel gauges are standard.
- Spill Containment — Bunded design protects environment by capturing up to 123% of engine fluids.
- Brushless alternator reduces service and maintenance requirements and meets temperature rise standards for Class F insulation systems.
 - Open delta alternator design provides virtually unlimited excitation for maximum motor starting capability.
 - Automatic voltage regulator (AVR) provides precise regulation.
- Fully covered power panel. Three-phase terminals and single phase receptacles allow fast and convenient hookup for most applications including temporary power boxes, tools and lighting equipment. All are NEMA standard.
- ECU845 microprocessor-based digital generator controller.
 - Remote 2-wire start/stop control.
 - High visibility LCD display with heated screen and alphanumeric readout.
 - Operational temperature range of -40° to 85° C.
 - AC monitoring along with fuel and DEF level indicators.
- Digital engine gauges including oil pressure, water temperature, battery volts, engine speed, engine load, fuel level and DEF level.
- Analog generator instrumentation including AC ammeter, AC voltmeter, frequency meter, ammeter phase selector switch, voltmeter phase selector switch, and voltage regulator adjustment potentiometer.
- Dual frequency capability allows for operation at 50 Hz or 60 Hz.
- Automatic safety shutdown system monitors the water temperature, engine oil pressure, low coolant, low DEF, overspeed, and overcrank. Warning lights indicate abnormal conditions.
- Emergency stop switch — when manually activated, shuts down generator in the event of an emergency.



DCA300SSJU4F3 Generator

SPECIFICATIONS

Generator Specifications

Design	Revolving field, self-ventilated Drip-proof, single bearing
Armature Connection	Star with Neutral
Phase	3
Standby Output	264 KW (330 KVA)
Prime Output	240 KW (300 KVA)
3Ø Voltage (L-L/L-N) Voltage Change-Over Bus Bars at 3Ø 240/139	208Y/120, 220Y/127, 240Y/139
3Ø Voltage (L-L/L-N) Voltage Change-Over Bus Bars at 3Ø 480/277	416Y/240, 440Y/254, 480Y/277
1Ø Voltage (L-L/L-N) Voltage Change-Over Bus Bars at 1Ø 240/120)	N/A
Power Factor	0.8
Voltage Regulation (No load to full load)	±0.5%
Generator RPM	1800
Frequency	50/60 Hz
Winding Pitch	2/3
No. of Poles	4
Excitation	Brushless with AVR
Frequency Regulation: No Load to Full Load	Isochronous under varying loads from no load to 100% rated load
Frequency Regulation: Steady State	±0.25% of mean value for constant loads from no load to full load.
Insulation	Class F
Sound Level dB(A) Full load at 23 feet	72

Engine Specifications

Make / Model	John Deere / 6090HFG06
Emissions	EPA Tier 4 Final Certified
Starting System	Electric
Design	4-cycle, water cooled, direct injection, turbocharged, charged air cooled, EGR, DOC, and SCR.
Displacement	549.2 in ³ (9.0 liters)
No. cylinders	6
Bore x Stroke	4.64 x 5.34 in. (118.4 x 136 mm)
Gross Engine Power Output	437 hp (326 kW)
BMEP	320 psi (2212 kPa)
Piston Speed	1606 ft/min (8.16 m/s)
Compression Ratio	16.0 : 1
Engine Speed	1800 rpm
Overspeed Limit	2070 rpm
Oil Capacity	9.3 gallons (35 liters)
Battery	12V 430Ah x 1

Fuel System

Recommended Fuel	ASTM-D975-No.1 & No.2-D*	
Maximum Fuel Flow (per hour)	43 gallons (163.1 liters)	
Maximum Inlet Restriction (Hg)	5.9 in (150 mm)	
Fuel Tank Capacity	430.6 gallons (1630 liters)	
Fuel Consumption	gph	lph
At full load	16.7	63.2
At 3/4 load	12.5	47.4
At 1/2 load	8.9	33.8
At 1/4 load	5.8	21.9
DEF Tank Capacity	29.8 gallons (112.8 liters)	

* - Use ultra-low sulfur diesel fuel.

Cooling System

Fan Load	26.8 hp (20 kW)
Coolant Capacity (with radiator)	17.7 gallons (67 liters)
Coolant Flow Rate (per minute)	102 gallons (385 liters)
Heat Rejection to Coolant (per minute)	10,473 Btu (11.05 MJ)
Maximum Coolant Friction Head	8.7 psi (60 kPa)
Maximum Coolant Static Head	78.7 ft. (24.1 m)
Ambient Temperature Rating	104°F (40°C)

Air

Combustion Air	742 cfm (21.0 m ³ /min)
Maximum Air Cleaner Restriction	25 in. H ₂ O (6.25 kPa)
Alternator Cooling Air	2797 cfm (79.0 m ³ /min)
Radiator Cooling Air	11,800 cfm (334.1 m ³ /min)

Exhaust System

Gas Flow (full load)	1,448 cfm (41.0 m ³ /min)
Gas Temperature	831°F (444°C)
Maximum Back Pressure	116 in. H ₂ O (29 kPa)

Amperage

Rated Voltage	Maximum Amps
1Ø 120 Volt	666.7 Amps (4 wire)
1Ø 240 Volt	333.3 Amps (4 wire)
3Ø 208 Volt	722 Amps
3Ø 240 Volt	722 Amps
3Ø 480 Volt	360 Amps
Main Line Circuit Breaker Rating	800 Amps
Over Current Relay Trip Set Point 480V Mode Only	361 Amps

WARRANTY*

John Deere Engine

12 months from date of purchase with unlimited hours or 24 months and prior to the accumulation of 2000 hours (whichever occurs first).

Generator

24 months from date of purchase or 2000 hours (whichever occurs first).

Trailer

12 months excluding normal wear items.

*Refer to the express written, one-year limited warranty sheet for additional information.

NOTICE

Specifications sheet is subject to change and is not intended for use in installation design.



DCA300SSJU4F3

Generator

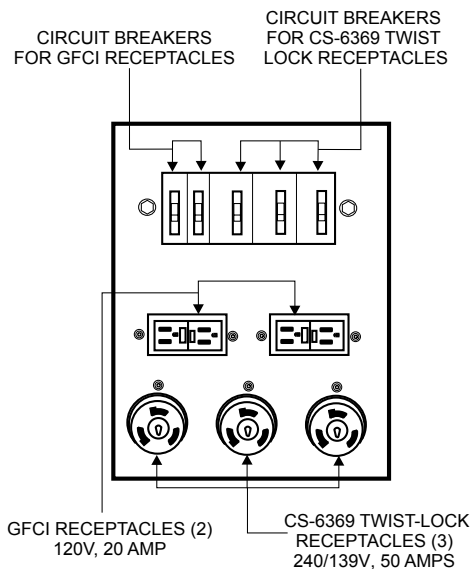
MQ POWER DECIBEL LEVELS

Our soundproof housing allows substantially lower operating noise levels than competitive designs. WhisperWatts are at home on construction sites, in residential neighborhoods, and at hospitals — just about anywhere.

- 90 — Subway / truck traffic
- 80 — Average city traffic
- 72.0 — **WhisperWatt at 23 feet**
- 70 — Inside car at 60 mph
- 60 — Air conditioner at 20 feet
- 50 — Normal conversation



GENERATOR OUTPUT PANEL



OPTIONAL GENERATOR FEATURES

- **Parallel Controls** — provides the ability to connect multiple generators together into a single power generation system.
- **PowerBalance™** — designed to assist generators when operating under low temperature and/or low load conditions to insure peak performance.
- **Battery Charger** — provides fully automatic and self-adjusting charging to the generator's battery system.
- **Crankcase Vent Blanket with Heating Element** — insures proper crankcase ventilation in freezing conditions. (Unit comes standard with a non-heated crankcase blanket)
- **Trailer Mounted Package** — meets National Highway Traffic Safety Administration (NHTSA) regulations. Trailer is equipped with electronic or surge brakes on all axles.

OPTIONAL CONTROL FEATURES

- **Audible Alarm** alerts operator of abnormal conditions.

OPTIONAL FUEL CELL FEATURES

- **Sub-base Fuel Cells (double wall)** — additional fuel cell for extended runtime operation. Contains a leak sensor, low fuel level switch, and a secondary containment tank. UL142 listed.
- 12 hours of minimum run time.
- 24 hours of minimum run time.

OPTIONAL OUTPUT CONNECTIONS

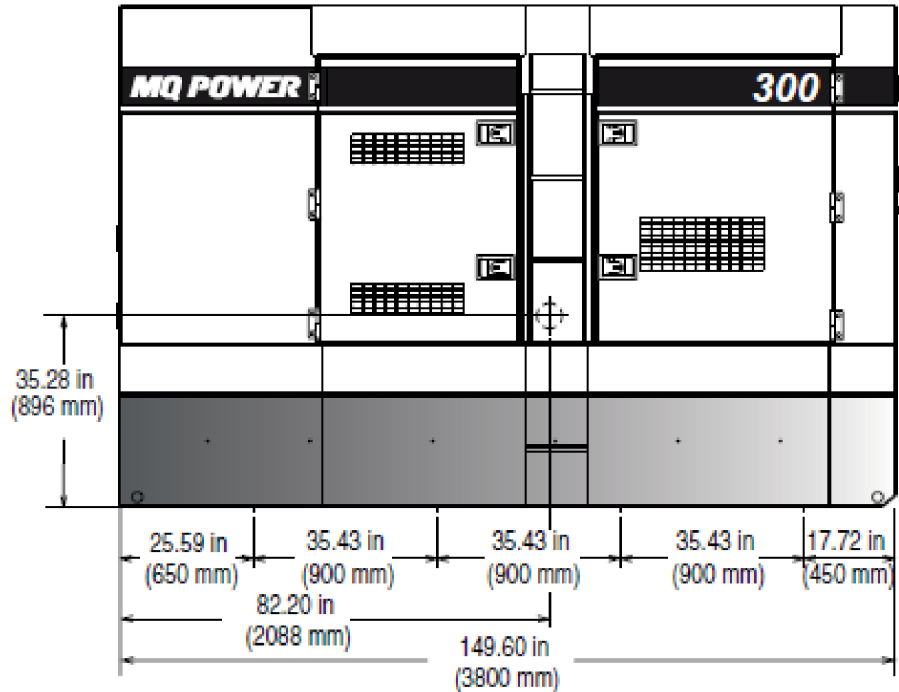
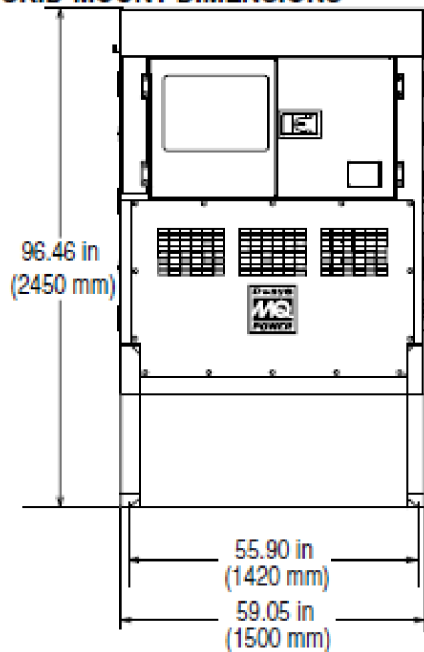
- **Cam-Lok Connectors** — provides quick disconnect alternative to bolt-on connectors.
- **Pin and Sleeve Connectors** — provides industry standard connectors for all voltage requirements.
- **Output Cable** — available in any custom length and size configuration.



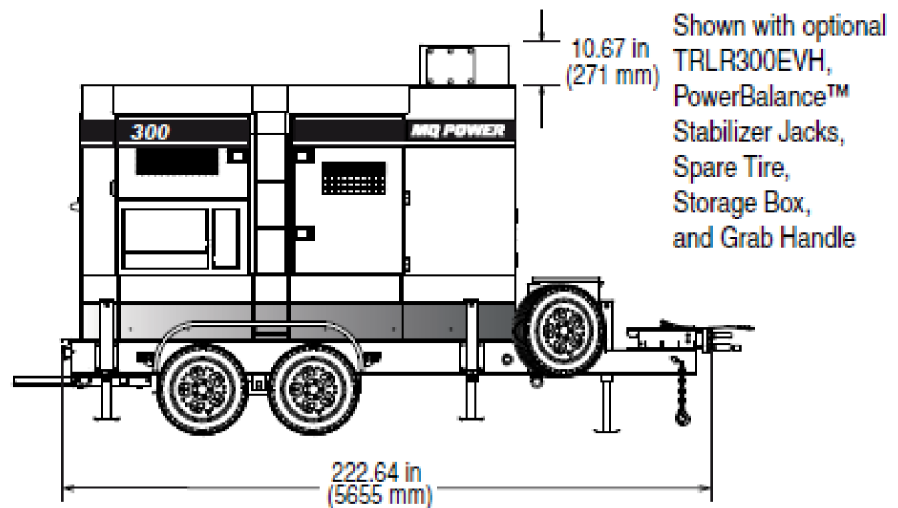
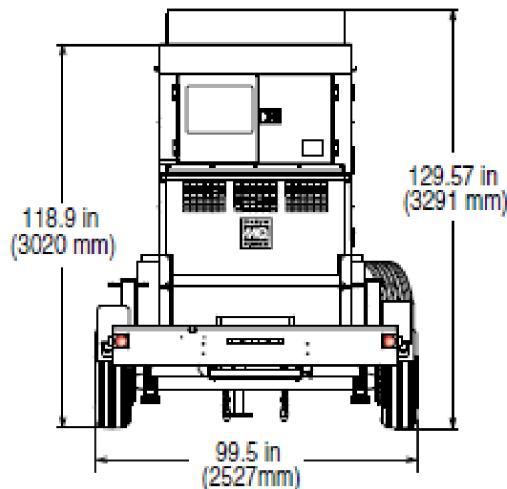
DCA300SSJU4F3

Generator

SKID-MOUNT DIMENSIONS



TRAILER-MOUNT DIMENSIONS



DCA300SSJU4F3 Weights*

Dry Weight	11,220 lbs. (5,090 kg)
Wet Weight	15,010 lbs. (6,810 kg)
Max. Lifting Point Capacity	19,000 lbs. (8,618 kg)

DCA300SSJU4F3 and TRLR300EV Weights*

Dry Weight (with TRLR300EV)	14,140 lbs. (6,414 kg)
Wet Weight (with TRLR300EV)	17,930 lbs. (8,133 kg)

* Weights do not include options.



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New 300KW Portable Generator Proposal

2025-01-13

Sales Engineer: Mike Goodman
Date Created: 2025-01-13
Valid Until: 2025-03-14

Prepared for: Tony Quinonez
Manager
TRABUCO CANYON WATER DIST
32003 Dove Canyon Dr.
Trabuco Canyon, Ca. 92679

Attention: Tony Quinonez, Manager

Reference: Purchase of New 300KW Portable Generator (30-35 weeks estimated delivery)

Thank you for your inquiry. We are pleased to offer a quote for the following equipment:

- VD300-04FT4MP
 - 300KW Standby power
 - Camlok panel
 - Battery Charger
 - Volvo engine
 - Tier 4F
- T20000-2
 - trailer
 - Pintle connector 3"
- FUEL CELL
 - 350 gallon capacity
 - Initial one time fill included
- TEMP CABLE
 - 4- 25' length with Blue Camlok ends
 - 4- 25' length with Red Camlok ends
 - 4- 25' length with Black Camlok ends
 - 4- 25' length with Green Camlok ends
 - 1- 10' length Pigtail Blue Camlok end
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 - Battery charger extension cord 100'
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QUOTED LINE ITEM	BRAND	UNIT PRICE	SUBTOTAL
300 KW Portable	Bluestar	\$303,743.70	\$303,743.70
Total			\$303,743.70

Agreements and Key Assumptions:

- Estimated Delivery: **30-35 weeks** after the receipt of a purchase order and approved submittal.
- Prices valid for 30 days from above date.
- FOB: Jobsite. Offloading, craning, setting, anchoring is by others.
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www.duthiepower.com

Liens and others: We follow all state and federal laws. Company policy requires that we file preliminary notices. We will also file stop notices or the prerequisite notice on payment bonds if payment for items purchased is not paid according to the terms or before the expiration of time allowed by California Civil Code. This proposal is subject to the terms and conditions stated herein and on the attached page.

Indemnification Clause: Customer is aware that DUTHIE will provide the equipment based on customer's specifications. Equipment provided will be purchased from the manufacturer identified in DUTHIE'S quote and/or customer's purchase order. DUTHIE will transfer to customer the standard warranty policy offered by the manufacturer, and it will not be responsible for product alteration, misuse, abuse by customer, or late delivery due to manufacturer lead time. Customer shall indemnify, defend, and hold harmless DUTHIE from any and all claims, demands, costs, expenses, liabilities, damages, injury or death of any person directly or indirectly arising out of or related to this purchase of equipment from DUTHIE; provided, however, that no Indemnified Party shall be entitled to indemnification for any Claim found by a court of competent jurisdiction to have been caused by the sole negligence or willful misconduct of such Indemnified Party.

ATTORNEY'S FEES: If either parties to this Agreement should bring suit against the other with respect to this Agreement, then all costs and expenses incurred by the prevailing party therein shall be paid by the other party.

Acceptance: A purchase order issued for order implies acceptance of above terms and conditions unless otherwise stated on purchase order. This quote MUST also be signed below before a purchase order can be accepted.

By signing below you are agreeing to the above quotation and terms:



The Generator Experts
License #708125
24 Hour Service
www.duthiepower.com

TRABUCO CANYON WATER DIST

If you have any questions, please do not hesitate to call.

Thank you for allowing me to be of service. For over 50 years, Duthie Power has been lucky to serve as Southern California's "Generator Experts." We appreciate your business and look forward to continuing to serve you!

Signature: _____

Print Name: _____

Date: _____

PO Number: _____

Respectfully,
DUTHIE POWER SERVICES

Mike Goodman

Mike Goodman , Sales Engineer
Duthie Power Services
(562) 790-1772

Unit Model	VD300-04FT4MP - 300 kWe Prime	Standby / Prime	Mobile Prime Power
kWe Rating	300 kWe	UL 2200 Listed	No
Fuel	Diesel	CSA Approved	No
EPA	Tier 4 Final / EU Stage 5	Paint Color	White

Engine Model: Volvo TAD1383VE 300W Prime Power Rating at 1800 RPM Governor - Electronic Isochronous

Voltage: Multi-Voltage With 3 Position Selector Switch
480/277V 3 PH, 208/120V 3 PH and 240/120V 3 PH

Gen Model: Stamford S4L1D-F41 12 Lead 3 PH Selectable 105°C Rise Over 40°C Ambient

Voltage Regulator: Deep Sea A109 Digital Voltage Regulator with PMG Excitation

Control Panel: Blue Star DCP7310 Microprocessor Based Gen-Set Controller Mounted Facing Left from Generator End (Unless Specified Otherwise)
Standard Features: Low Oil Pressure, High Coolant Temp, Overspeed, Overcrank Shutdowns
Emergency Stop Pushbutton, Audible Alarm Buzzer with Silencing Switch

Control Panel Options:

Unit Color: White

Enclosure: Level 3 (Sound Attenuated Enclosure) Powder Coated 14 Gauge Steel Rugged and Durable 200 MPH Wind Rated Enclosure with Exhaust Hood Pitched Roof for Increased Structural Integrity and Improved Watershed Punched Intake with Baffle and Punched Exhaust Openings Keyed Alike Lockable Doors with Draw Down Latches and Stainless Steel Component Hinges Additional 1.5" Thick Polydamp Type D Acoustical Foam (PAF) Formed Steel Base with Mounting and Lifting Holes Includes Vibration Mounts to Isolate Unit from Base Rail

Sound Attenuation Foam: Sound Attenuation Installed in Enclosure and Exhaust Hood

Enclosure Options: Load Distribution Center Wired to Receptacle Package
Includes: 2-50A 208/240VAC and 1-30A 208/240VAC, 2-20A 139/120VAC Receptacles

Cooling: Unit Mounted Radiator (50°C Ambient)

Oil Drain Extension: Plumbed to Bulkhead Fitting in Base

Mainline Breaker: 1000 Amp 3 Pole 600 Volt Breaker Mounted & Wired to Cam-Lok Receptacle Package
24VDC Shunt Trip Wired to Engine Shutdowns

Jacket Water Heater: Engine Block Heater 4000W 240VAC Rated for -20°F
Heater Installed with Isolation Valves and Wired to Terminal

Air Cleaner: Dry Single Stage

Air Restrictor Indicator: Installed in Air Filtration System

Silencer: SCR / DPF / DOC Catalysts / Silencer Mounted to Engine

Battery: 24 Volt System with Rack and Cables

Battery Charger:	24 Volt 5 Amp Mounted and Wired to Terminal
Gen-Set Trailer Package:	T20000-2 Tandem Axle DOT Approved Trailer Package Including: 3" Pintle Eye, Safety Chains, Electric Brakes with Breakaway Kit Radial Tires, Fenders, Adjustable Tongue Jack, Front and Rear Stabilizing Jacks and Shore Power OPTIONS:
Trailer Package Options:	Lockable Cable / Storage Box Exterior 120VAC Shore Power Connection For Heater(s) and Charger Front Stabilizing Jack Set
Fuel Tank:	350 Gallon Double Wall Tank Including Supply & Return Connections Fuel Level Gauge and Fill & Vent Plumbing
Factory Test:	Standard Commercial Testing Includes: Verification of Alarm Shutdowns, Voltage Settings, Block Loading to Rated kWe and PF
Owner's Manual:	Print Copy (Qty 1)
Warranty:	1 Year / 1500 Hour Limited

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING | MARCH 5, 2025**

ENGINEERING MATTERS

ITEM 3: UPDATE ON STATE WATER BOARD CROSS CONNECTION CONTROL PLAN HANDBOOK (CCCPH) REQUIREMENTS AND PLAN ADOPTION

Background

On December 19, 2023, the State Water Board adopted the [Cross-Connection Control Policy Handbook \(CCCPH\)](#) which was effective on July 1, 2024. The CCCPH will replace the existing cross-connection control and backflow prevention regulations currently in Title 17. While the CCCPH has the same authority as a standard regulation, it is intended to provide more technical details and explanatory language than a standard regulation.

Implementation of the CCCPH requires the preparation and adoption of a Cross-Connection Control Plan, which will be due by July 1, 2025. The CCCPH does not remove any elements from existing cross connection control programs, so while public water systems (PWS) work toward compliance with the CCCPH, they must ensure they continue to effectively operate their cross-connection control programs in accordance with Title 17 of the California Code of Regulations, which includes at least annual testing of backflow prevention assemblies. These regulations and the CCCPH apply to all California public water systems (community, non-transient non-community, and transient non-community).

The primary objective of the CCCPH is the protection of public health through the establishment of standards intended to ensure a PWS drinking water distribution system will not be subject to backflow. In addition, by providing basic educational information on backflow prevention, the State Water Board intends to build a foundation of awareness within the regulated community regarding the importance of backflow protection and cross-connection control, leading to the implementation of a robust cross-connection control program for each PWS.

Updated Information

TCWD staff has participated in an inter-agency joint effort with other Orange County water agencies and cities to prepare a CCCP that is consistent with the adopted CCCPH and tailored to TCWD's needs and goal with the assistance of John Robinson Consulting. The review and plan development process has included monthly joint-agency meetings with representatives from the State Water Board and the Division of Drinking Water to review the draft plan template language for consistency with the adopted regulations. The final draft CCCPH will be presented to the Board of Directors in April 2025 for review and consideration with the goal of adoption by ordinance in June 2025 with an effective date of July 1, 2025.

FUNDING SOURCE:

General Fund – Professional Services

FISCAL IMPACT:

Cost Sharing Agreement Costs for Professional Services: \$150,000

TCWD Share: Approximately \$6,000

RECOMMENDED ACTION:

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

EXHIBIT(S):

1. CCCPH Cost Sharing Agreement with John Robinson Consulting
2. State Water Board [Cross-Connection Control Policy Handbook \(CCCPH\)](#)

CONTACTS (staff responsible): PALUDI/PEREA

COST SHARING AGREEMENT
(Development of Template Cross-Connection Control Plan)

This Development of Template Cross-Connection Control Plan Cost Sharing Agreement ("**Agreement**") is effective for each party as of the later date of the two signatures below ("**Effective Date**") and is between IRVINE RANCH WATER DISTRICT ("**IRWD**"), CITY OF ANAHEIM, CITY OF BREA, CITY OF BUENA PARK, CITY OF FOUNTAIN VALLEY, CITY OF FULLERTON, CITY OF GARDEN GROVE, CITY OF HUNTINGTON BEACH, CITY OF NEWPORT BEACH, CITY OF SAN CLEMENTE, CITY OF SANTA ANA, CITY OF SEAL BEACH, CITY OF TUSTIN, CITY OF WESTMINSTER, EL TORO WATER DISTRICT, LAGUNA BEACH COUNTY WATER DISTRICT, MESA WATER DISTRICT, MOULTON NIGUEL WATER DISTRICT, SANTA MARGARITA WATER DISTRICT, SOUTH COAST WATER DISTRICT, TRABUCO CANYON WATER DISTRICT, YORBA LINDA WATER DISTRICT and CITY OF ORANGE. Each is referred to individually as a "**Party**," and collectively as the "**Parties**."

A. The California State Water Resources Control Board ("State Board"), which regulates all Public Water Systems ("PWSs") in California, requires PWSs to protect the public water supply by compliance with Title 17 of the California Code of Regulations. The State Board has adopted the Cross-Connection Control Policy Handbook ("Handbook"), effective July 1, 2024, to establish standards to which each PWS's drinking water distribution system will be subject regarding the backflow of liquids, gases, or other substances. The Handbook requires each PWS, no later than July 1, 2025, to prepare and submit a Control Plan that will describe how the PWS will fulfill the ten requirements identified in the Handbook. Each PWS in Orange County must submit its Control Plan to the Division of Drinking Water at the Santa Ana Regional Water Quality Control Board office for review and approval.

B. The Parties have determined that it will be to their joint advantage to collaborate to develop a template for a control plan ("Template Control Plan") that may, with minor modifications, be adapted for use by each of the Parties. The Parties further agree that a qualified consultant with industry knowledge will be required to assist the Parties in developing the Template Control Plan (the "Work"). The Parties will schedule meetings that will be held approximately monthly with the selected consultant to advance the creation of the Template Control Plan.

C. The Parties intend by this Agreement to provide the framework under which they will share costs for the selected consultant's Work.

The Parties therefore agree as follows:

1. Contract for the Work. On behalf of all of the Parties, IRWD shall serve as the contracting agency and will request proposals from qualified consultants and ultimately select and enter into a Professional Services Agreement ("PSA") with the successful proposer ("Consultant") to perform the Work. The selection will be made with the assistance of whichever other Parties volunteer to participate in the selection process. IRWD shall promptly pay all invoices submitted by the Consultant for the Work. At the conclusion of the Work and IRWD's receipt of the Consultant's final invoice, or by August 1, 2025, whichever occurs first, IRWD shall invoice each

of the Parties (including any additional parties hereafter added to this Agreement pursuant to Section 3, below) for their proportional share of the costs of the Work (as further described in Section 4, below).

2. Scope of Work. The Consultant will develop a specific scope for the Work, budget, and schedule necessary to produce a Template Control Plan that the Parties can adapt to meet requirements of the State Board as set forth in the Handbook. The Consultant will perform the Work on a time-and-materials basis for an estimated not-to-exceed amount of \$180,000, which includes 20 percent for contingencies above the Consultant's estimated costs of \$150,000. These costs are subject to the cost-sharing provisions set forth in Section 4, below.

3. Additional Parties. In addition to the Parties listed above, additional parties may be added to this Agreement, subject to all of the covenants, terms, and conditions of the Agreement. Additional parties may join this Agreement at any time before completion of the Work upon written invitation by one or more of the original Parties, by executing the signature page and delivering an electronic version to all then-current Parties. Additional parties will be treated as original parties to this Agreement and equally share in the total cost of the Work, as described in Section 4, below.

4. Cost Sharing. The Parties shall share equally the cost of the Work. Each Party's share of the cost will be determined by taking the total invoiced amount from Consultant for all completed Work and dividing that amount by the number of Parties at the conclusion of the Work. At the conclusion of the Work, IRWD will invoice each Party for an equal share of the total cost of the Work. Each Party shall pay IRWD its equal share no later than 60 days after receiving the invoice. Upon the request of any Party, IRWD will provide copies of the Consultant's invoices and IRWD's payment records.

5. Meetings. IRWD shall coordinate all aspects of the Work with the selected Consultant. Any Party may participate in meetings with the Consultant to review interim and final results of the Work. IRWD will schedule meetings of the Parties to facilitate review of the Work, and will schedule meetings with the Consultant and the Parties at the reasonable request of any Party for the same purpose.

6. Indemnity. Each Party shall indemnify, defend, and hold the other Parties, and their officers, agents, and employees harmless from any expense, liability, injury, loss, damage or expense to persons or property (collectively, "**Claims**") that may arise or may be claimed to have arisen as a result of the development and approval of the Template Control Plan. Each Party's indemnity and defense obligations will not apply to any portion of any Claims determined by a court of competent jurisdiction to have been proximately caused by the negligence, gross negligence or willful misconduct of another Party, its officers, agents, or employees. Notwithstanding the foregoing sentences in this section, each Party is solely responsible for its own costs and expenses associated with the indemnity and defense obligations set forth in this section, and such costs are not subject to cost sharing under this Agreement. This section shall survive the termination or expiration of this Agreement.

7. Property. All documents, data, and written materials furnished by a Party to Consultant shall remain that Party's property and shall be returned to that Party upon request. All

documents, data, or written material prepared or caused to be prepared by Consultant, its officers, employees, agents, and subcontractors in the course of implementing this Agreement shall become the joint property of the Parties, and each Party shall have the right to use and modify such materials without further approval or compensation to Consultant or the other Parties.

8. Withdrawal. Any Party may withdraw from this Agreement upon 30 days' written notice to the other Parties. However, the payment obligations of that Party will be pro-rated based on the percent of the Work accomplished up to the withdrawal date.

9. Warranty of Authority. Each person executing this Agreement in a representative capacity represents and warrants that he or she is authorized to execute this Agreement on behalf of and to bind the Party on whose behalf he or she executes the Agreement.

10. Construction. This Agreement will be construed as if the Parties jointly prepared it.

11. No Third Party Beneficiaries. This Agreement is not for the benefit of any person or entity other than the Parties and any additional parties described in Section 3 above.

12. Modification. This Agreement may not be modified by any of the Parties by oral representation made before or after the execution of this Agreement. All modifications must be in writing and signed by the Parties or their successors in interest at the time of modification.

13. Further Documents. The Parties shall execute and deliver all documents and perform all further acts that may be reasonably necessary to effectuate the provisions of this Agreement.

14. Governing Law. This Agreement is entered into and will be construed and interpreted in accordance with the laws of the State of California.

15. Execution of Agreement. This Agreement may be executed in multiple counterparts. The signature page of this Agreement may be executed by way of a manual or electronic or digital signature. Delivery of an executed counterpart of a signature page by electronic transmission will be effective.

16. Incorporation of Recitals. The Recitals set forth above are incorporated herein and made an operative part of this Agreement.

17. Relationship of the Parties. Nothing contained in this Agreement shall be deemed or construed by the Parties or by any third person to create the relationship of principal and agent, or partnership or joint venture, or any association between the Parties, and none of the provisions contained in this Agreement or any act of the Parties shall be deemed to create any relationship other than as specified herein.

18. Severability. If any provision of this Agreement shall be held illegal, invalid, or unenforceable, in whole or in part, by a court of competent jurisdiction, the legality, validity, and enforceability of the remaining provisions shall not be affected thereby.

19. Entire Agreement. This Agreement contains the entire agreement of the Parties relating to the subject matter hereof; and the Parties have made no agreements, representations or warranties, either written or oral, relating to the subject matter hereof that are not set forth herein.

The Parties are signing this Agreement to be effective as of the Effective Date.

IRVINE RANCH WATER DISTRICT

Date: _____

By: _____

Paul A. Cook
General Manager

APPROVED AS TO FORM:
Hanson Bridgett, LLP

By: _____

IRWD Counsel

CITY OF ANAHEIM

Date: _____

By: _____

Name:
Title:

APPROVED AS TO FORM:

By: _____

City Attorney

CITY OF BREA

Date: _____

By: _____

Name:
Title:

APPROVED AS TO FORM:

By: _____

City Attorney

CITY OF BUENA PARK

Date: _____

By: _____

Name:
Title:

APPROVED AS TO FORM:

By: _____

City Attorney

CITY OF FOUNTAIN VALLEY

Date: _____

By: _____

Name:
Title:

APPROVED AS TO FORM:

By: _____

City Attorney

CITY OF FULLERTON

Date: _____

By: _____

Name:
Title:

APPROVED AS TO FORM:

By: _____

City Attorney

CITY OF GARDEN GROVE

Date: _____

By: _____

Name:
Title:

APPROVED AS TO FORM:

By: _____

City Attorney

CITY OF HUNTINGTON BEACH

Date: _____

By: _____

Name:
Title:

APPROVED AS TO FORM:

By: _____

City Attorney

CITY OF NEWPORT BEACH

Date: _____

By: _____

Name:
Title:

APPROVED AS TO FORM:

By: _____

City Attorney

CITY OF ORANGE

Date: _____

By: _____

Name: Thomas C. Kisela
Title: City Manager

ATTEST:

APPROVED AS TO FORM:

Pamela Coleman, City Clerk

By: _____

Mike Vigliotta, City Attorney

CITY OF SAN CLEMENTE

Date: _____

By: _____

Name:
Title:

APPROVED AS TO FORM:

By: _____

City Attorney

CITY OF SANTA ANA

Date: _____

By: _____

Name:
Title:

APPROVED AS TO FORM:

By: _____

City Attorney

CITY OF SEAL BEACH

Date: _____

By: _____

Name:
Title:

APPROVED AS TO FORM:

By: _____

City Attorney

CITY OF TUSTIN

Date: _____

By: _____

Name:
Title:

APPROVED AS TO FORM:

By: _____

City Attorney

CITY OF WESTMINSTER

Date: _____

By: _____

Name:
Title:

APPROVED AS TO FORM:

By: _____

City Attorney

EL TORO WATER DISTRICT

Date: _____

By: _____

Name:
Title:

APPROVED AS TO FORM:

By: _____

District Counsel

LAGUNA BEACH COUNTY WATER DISTRICT

Date: _____

By: _____

Name:
Title:

APPROVED AS TO FORM:

By: _____

District Counsel

MESA WATER DISTRICT

Date: _____

By: _____

Name:
Title:

APPROVED AS TO FORM:

By: _____

District Counsel

MOULTON NIGUEL WATER DISTRICT

Date: _____

By: _____

Name:
Title:

APPROVED AS TO FORM:

By: _____

District Counsel

SANTA MARGARITA WATER DISTRICT

Date: _____

By: _____

Name:
Title:

APPROVED AS TO FORM:

By: _____

District Counsel

SOUTH COAST WATER DISTRICT

Date: _____

By: _____

Name:
Title:

APPROVED AS TO FORM:

By: _____

District Counsel

TRABUCO CANYON WATER DISTRICT

Date: _____

By: _____

Name:
Title:

APPROVED AS TO FORM:

By: _____

District Counsel

YORBA LINDA WATER DISTRICT

Date: _____

By: _____

Name:
Title:

APPROVED AS TO FORM:

By: _____

District Counsel

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING | MARCH 5, 2025**

ENGINEERING MATTERS

ITEM 4: OTHER ENGINEERING AND OPERATIONS PROJECT UPDATES

1. Orange County Public Works (OCPW) Trabuco Creek Bridge Project Status
2. Other Projects

RECOMMENDED ACTION:


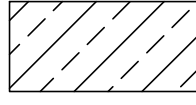

Committee to receive project status updates at the time of the Committee Meeting.

EXHIBIT(S):

1. Trabuco Canyon Bridge Plans

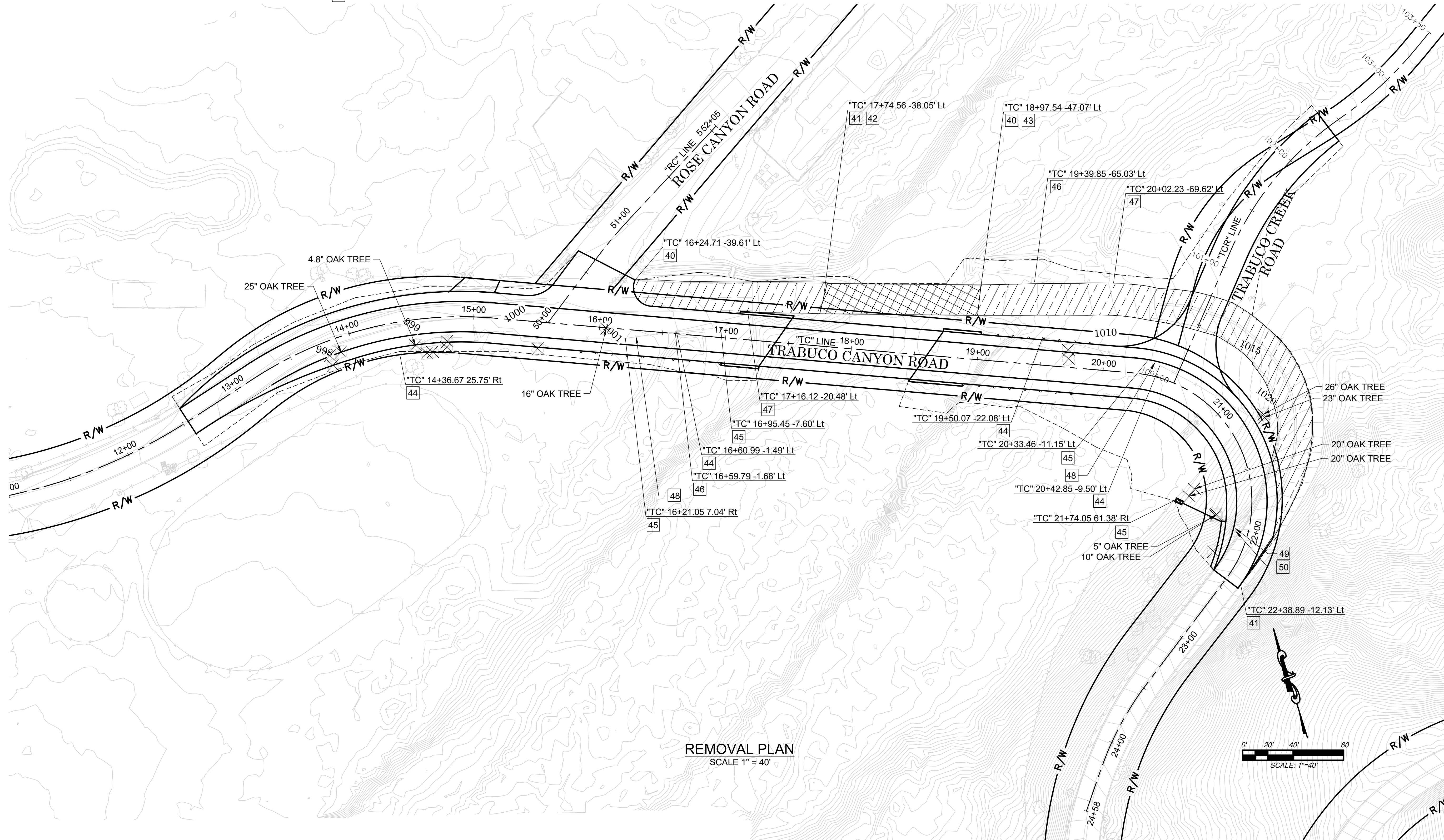
CONTACTS (staff responsible): PALUDI/PEREA/LAUSTEN

LEGEND

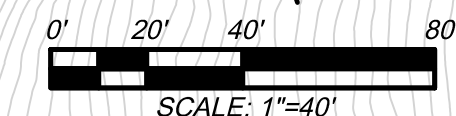
-  REMOVE TREE
-  OBLITERATE SURFACING
-  REMOVE BRIDGE (SEE BRIDGE PLANS)

CONSTRUCTION NOTES

- 40 BEGIN OBLITERATE SURFACING
- 41 END OBLITERATE SURFACING
- 42 BEGIN REMOVE BRIDGE
- 43 END REMOVE BRIDGE
- 44 BEGIN REMOVE FENCE
- 45 END REMOVE FENCE
- 46 BEGIN REMOVE GUARDRAIL
- 47 END REMOVE GUARDRAIL
- 48 REMOVE GATE
- 49 REMOVE PIPE
- 50 REMOVE INLET



REMOVAL PLAN
SCALE 1" = 40'



MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
DE DOKKEN ENGINEERING
 110 BLUE RAVINE ROAD, SUITE 200
 FOLSOM, CALIFORNIA 95630
 TEL 916-858-0642
 FAX 916-858-0643

XXX, P.E.
 DOKKEN ENGINEERING

DESIGNED BY:	CHECKED BY:	SCALE:
DRAWN BY:	FILE NAME:	AS SHOWN
DRAWING NO.:	PLOT DATE:	

County of Orange
 Public Works

PREPARED BY:
DE DOKKEN ENGINEERING
 110 BLUE RAVINE ROAD, SUITE 200
 FOLSOM, CALIFORNIA 95630
 TEL 916-858-0642
 FAX 916-858-0643

TRABUCO CREEK BRIDGE

REMOVAL PLAN
 STA XXX TO XXX

SHEET

RV-1

SHEET 9 OF XX

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING | MARCH 5, 2025**

OPERATIONAL MATTERS

ITEM 5: WATER SYSTEM UPDATES

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

Projects and Repairs

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

1. Repaired leak that flooded Admin.
2. Serviced 64 valves in the Rancho Cielo and Walden Homes area.
3. Flushed 21 dead end hydrants in Dove Canyon.
4. Replaced all copper tubing on pumps and flow control valve at the Field Office.
5. Worked with the Meter Dept. to replace 1" angle stop on Pennington in Robinson Ranch.

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

System Demands**													
AF/Day	3.9												3.9
Daily Average, CFS	2.0												2.0
Other Water Deliveries/Purchases													
Ridgeline (DWTP Delivery)	0.0												0.0
El Toro (Interconnection Purchase)	0.0												0.0
Baker WTP (CSC Delivery)	98.6												98.6
Portola Hills (Wholesale Purchase)	10.0												10.0
Skyridge (Wholesale Purchase)	1.8												1.8
* Usage estimated													
** Excludes Operational use, losses, and supplement to Recycled Water Reservoir (RW)													

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING | MARCH 5, 2025**

OPERATIONAL MATTERS

ITEM 6: WASTEWATER SYSTEM UPDATES

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

Projects and Repairs

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

1. Assisted in the replacement and programming of two VFD’s at Dove Recycle Pump Station.
2. Assisted in the fiber optic work at the WWTP.
3. Assisted in the cutover to the new SCADA system at Dove Recycle Pump Station.
4. Installed a new emergency dialer at Barneburg Lift station.
5. Completed annual maintenance on Recycle System Cla-Val’s.

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	15,000
Total Sewer Line Cleaned (Ft) – Cleaning Cycle	25,000
Cleaning Cycle Period (Mos.) [Start date: 1/1/25]	2
Total Sewer Line Cleaned, %	11%
The Oaks at Trabuco – Pumping Frequency for the Month	12
O’Neill Park Sewer System Status	Ok
O’Neill Park Sewer System Repairs	None
SSMP Quarterly Report – <i>Next Quarterly Report</i>	1Q 2025
SSMP Program Audit – <i>Next Audit Report**</i>	March 2025

**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): 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												37.1	520.1
Reclaimed Reservoir Level, FT	1274.5	1,265.5												-	-
Reclaimed Reservoir Free Board, FT	25.5	9.0												-	-
Reclaimed Reservoir Storage, AF	145.5	94.6												-	-
Supplemental Domestic Water Added, AF	N/A	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												0.04	0.5%
Dove Canyon Golf Course	106.7	12.49												12.49	11.7%
Dove Canyon Master Association	279.3	10.92												10.92	3.9%
Robinson Ranch	80.2	1.41												1.41	1.8%
Trabuco Highlands	159.7	3.26												3.26	2.0%
City of RSM	0.1	0.00												0.00	0.0%
Construction Water	N/A	0.00												0.00	N/A
Sakaida Nursery	1.1	0.00												0.00	0.0%
SMWD	N/A	0.00												0.00	N/A
TY Nursery	17.9	0.00												0.00	0.0%
TOTAL, AF	653.2	28.1												28.12	4.3%
PERCENTAGE OF NDW ALLOCATION/YEAR		4.3%													
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		0.00												0.00	1.6
Dove Tick Creek Production*	<i>Dry Season</i>	5.5												5.5	45.0
	TCWD Portion	5.5												5.5	-
	SMWD Portion	0.0												0.0	-
Dove Lake Water Pumped		0.0												0.0	190.1
Dove Lake Free Board, Ft		10.3												-	-
Dove Lake Storage, AF		131.2												-	-
Total Rainfall, In.		0.9												0.9	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

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OPERATIONAL MATTERS

ITEM 7: MAINTENANCE DEPARTMENT UPDATES

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

Projects and Repairs

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

Water Operations

1. Job walk with Engineering at Canyon Creek for mobile diesel parking/setup
2. Job walk with Engineering and JES at Res One for culvert repair
3. EOC meeting to talk about mud/debris flow in Holy Jim/Trabuco Creek
4. New Dimension job walk at Field Office/Booster One to have attic cleaned out so electricians can perform inspection and repairs on damaged conduit and electrical lines.

Wastewater Operations

1. Maint/Electrical room clean up and organization
2. Beavans Systems at WWTP for fiber optic install
3. VFD swap out at Dove Canyon Recycle station
4. Reclaim res/dam V-Ditch job walk with JES
5. Aluminum platform built inside WWTP SBR dry pit for PLC control box

District Fleet Upgrades & Other Projects

1. New 800-gallon water trailer delivered
2. Haaker meetup at WWTP to look over Vactor truck
3. Dropped off Ford Explorer for body repair and paint
4. Water Dept. service truck #4 sent to Specialty Equipment for HD lock upgrade
5. New tires on service truck #29

RECOMMENDED ACTION:

Committee to receive system status updates. No action required.

EXHIBITS

None

CONTACTS (staff responsible): PEREA/STROUD

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REGULATORY AND OTHER MATTERS

ITEM 8: 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