FALLBROOK PUBLIC UTILITY DISTRICT
MEETING OF THE ENGINEERING & OPERATIONS COMMITTEE

AGENDA

TUESDAY, DECEMBER 1, 2026
10:00 A.M.

FALLBROOK PUBLIC UTILITY DISTRICT
990 E. MISSION RD., FALLBROOK, CA 92028
PHONE: (760) 728-1125

THIS MEETING WILL BE HELD AT THE ABOVE DATE, TIME, AND LOCATION AND MEMBERS OF THE PUBLIC MAY ATTEND IN PERSON AT THE DISTRICT OFFICE LOCATED AT 990 E. MISSION RD., FALLBROOK, CA 92028. FOR THE CONVENIENCE OF MEMBERS OF THE PUBLIC WHO DO NOT WISH TO ATTEND IN PERSON, FALLBROOK PUBLIC UTILITY DISTRICT PROVIDES A MEANS TO OBSERVE AND PROVIDE PUBLIC COMMENTS AT THE MEETING VIA WEB CONFERENCE USING THE BELOW CALL-IN AND WEBLINK INFORMATION. PLEASE NOTE THAT IN THE EVENT OF TECHNICAL ISSUES THAT DISRUPT THE ABILITY OF MEMBERS OF THE PUBLIC TO VIEW THE MEETING OR PROVIDE PUBLIC COMMENTS THROUGH THE WEB CONFERENCE OPTION, THE MEETING WILL CONTINUE.

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PUBLIC COMMENTS: Members of the public may submit public comments and comments on agenda items in one of the following ways:

SUBMIT COMMENTS BEFORE THE MEETING:
- By emailing to our Board Secretary at leckert@fpud.com
- By mailing to the District Offices at 990 E. Mission Rd., Fallbrook, CA 92028
- By depositing them in the District's Payment Drop Box located at 990 E. Mission Rd., Fallbrook, CA 92028

All comments submitted before the meeting by whatever means must be received at least 1 hour in advance of the meeting. All comments will be read to the Committee during the appropriate portion of the meeting. Please keep any written comments to 3 minutes.

REMOTELY MAKE COMMENTS DURING THE MEETING: The Committee Chair will inquire prior to Committee discussion if there are any comments from the public on each item.
- Via Zoom Webinar go to the "Participants List," hover over your name and click on "raise hand." This will notify the moderator that you wish to speak during oral communication or during a specific item on the agenda.
- Via phone, you can raise your hand by pressing *9 to notify the moderator that you wish to speak during the current item.

MAKE IN-PERSON COMMENTS DURING THE MEETING: The Committee Chair will inquire prior to Committee discussion if there are any comments from the public on each item, at which time members of the public attending in person may make comments.

THESE PUBLIC COMMENT PROCEDURES SUPERSEDE THE DISTRICT'S STANDARD PUBLIC COMMENT POLICIES AND PROCEDURES TO THE CONTRARY.

If you have a disability and need an accommodation to participate in the meeting, please call the Board Secretary at (760) 999-2704 for assistance.

I. PRELIMINARY FUNCTIONS

CALL TO ORDER / ROLL CALL

PUBLIC COMMENT

II. ACTION / DISCUSSION ---------- (ITEMS A–F)

A. AWARD OF SEWER MAIN RELINING PROJECT – FY27

B. AWARD OF SEWER LATERAL RELINING PROJECT – PHASE 2

C. PURCHASE OF MOBILE BACKUP GENERATOR

D. SMGTP BACKUP GENERATOR PROJECT CHANGE ORDER

E. NEUROS BLOWER PLC UPGRADES AT THE SRTTP AND NRTTP FACILITIES ON CAMP PENDLETON

F. RED MOUNTAIN RESERVOIR LINER UPDATE

III. ADJOURNMENT OF MEETING

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DECLARATION OF POSTING

I, Lauren Eckert, Executive Assistant/Board Secretary of the Fallbrook Public Utility District, do hereby declare that I posted a copy of the foregoing agenda in the glass case at the entrance of the District Office located at 990 East Mission Road, Fallbrook, California, at least 72 hours prior to the meeting in accordance with Government Code § 54954.2.

I, Lauren Eckert, further declare under penalty of perjury and under the laws of the State of California that the foregoing is true and correct.

November 24, 2026
Dated / Fallbrook, CA

/s/ Lauren Eckert
Executive Assistant/Board Secretary

M E M O

TO: Engineering & Operations Committee
FROM: Aaron Cook, Engineering Manager
DATE: December 1, 2026
SUBJECT: Award of Sewer Main Relining Project – FY27

Description

Award of the Fiscal Year 2027 Sewer Main Relining Project.

Purpose

As part of the District's capital improvement program, the District is improving the reliability of the sewer collections system through strategic rehabilitation of existing infrastructure. District staff prepared a bid package for the relining of approximately 1,674 linear feet of 6-inch, and 1,103 linear feet of 8-inch gravity sewer main. The work consists of trenchless restoration of existing mainline to like-new condition. Bid opening was November 17, 2026. 3 bids were received. A summary of the bid results is below:

	Company Name	Bid Amount
1	NuLine Technologies	$247,019
2	Sancon Technologies	$256,145
3	Insituform Technologies, LLC	$297,417

NuLine Technologies was the apparent lowest responsible bidder at $247,019 and has successfully completed similar work for the District in the past.

Budgetary Impact,

There is no budgetary impact. The work will be completed within the Board authorized total capital budget.

Recommended Action

That the Committee recommend to the Board authorization to award the FY27 Sewer Main Relining Project to the lowest responsible bidder, NuLine Technologies in the amount of $247,019.

M E M O

TO: Engineering & Operations Committee
FROM: Aaron Cook, Engineering Manager
DATE: December 1, 2026
SUBJECT: Award of Sewer Lateral Relining Project – Phase 2

Description

Award of the Sewer Lateral Relining Project – Phase 2.

Purpose

Per Administrative Code Section 14.5, “The entire sewer lateral pipeline and owner lateral from the connection to the common sewer main to the house connection shall belong to and be the property of the Owner.” Later, it also states, “the District may maintain that portion of the Owner’s lateral between the common sewer main and the service cleanout upon the request of the Owner.” The District used to own the laterals but in 2001 and 2007 due to policy changes by the Reqional Water Quality Control Board and exposure to penalties for spills the policy was changed to make the laterals private, with the option for District maintenance at owner request.

There are approximately 65 sewer laterals in the district that have perpetual maintenance needs and are part of the collections crew high-frequency hotspot preventative maintenance rounds that appear to have been routinely maintained since before the policy was changed. Depending on the severity, they are inspected and cleaned on rotating 3-, 6-, and 12-month service schedules. Each inspection and cleaning requires at least an hour for a two-person crew, as well as vehicle, equipment, and chemical use expenses.

To eliminate this effort, saving time and money in the long run and make the District practices consistent with District policy, staff have proposed that these laterals be relined/repaired to like-new condition and to inform the property owners that maintenance for their lateral going forward will be their responsibility, per standard district policy in the administrative code. 29 of these laterals were relined in FY25. 37 remain to be relined.

Staff prepared a bid package for the 37 laterals. Bids were due on November 18, 2026. Staff issued the RFP to five contractors, but only one bid was received due to the unique nature of this type of work. The single bid received was from Modern Pipe Solutions, Inc. for $169,660. Modern Pipe Solutions is the contractor that completed the first phase of the project for the District last year.

Budgetary Impact,

There is no budgetary impact. The work will be completed within the Board authorized total capital budget.

Recommended Action

That the Committee recommend to the Board authorization to award the Sewer Lateral Relining Project to the lowest responsible bidder, Modern Pipe Solutions, Inc. in the amount of $169,660.

M E M O

TO: Engineering & Operations Committee
FROM: Aaron Cook, Engineering Manager
DATE: December 1, 2026
SUBJECT: Purchase of Mobile Backup Generator

Description

Purchase of portable backup generator for use at various facility sites during emergency power outages.

Purpose

The District currently owns one mobile backup generator for use as an emergency power source during power outages. SDG&E has increased the frequency of outages for public safety power shutoff events (PSPS), occasionally requiring a generator rental to meet the needs of the District. In order to be better prepared for PSPS events and emergency outages, District staff identified a second mobile generator that will meet the power demands of multiple sewer lift stations, water pump stations, and the District offices, providing a flexible mobile backup power source. An RFP was issued and two bids were received:

	Company Name	Bid Amount
1	Bay City Electric Works	$103,440
2	Sunbelt	$135,118.50

Budgetary Impact,

There is no budgetary impact. The purchase will be completed within the Board authorized total capital budget.

Recommended Action

That the Committee recommend to the Board authorization to purchase the backup generator from the lowest bidder, Bay City Electric Works for $103,440.

M E M O

TO: Engineering & Operations Committee
FROM: Aaron Cook, Engineering Manager
DATE: December 1, 2026
SUBJECT: SMGTP Backup Generator Project Change Order

Description

Request for authorization for additional costs on the Santa Margarita Groundwater Treatment Plant (SMGTP) Backup Generator Project.

Purpose

The SMGTP was built in 2021 to treat the water received from Camp Pendleton as part of the Santa Margarita River Conjunctive Use Agreement. The plant does not have a permanent backup power source and is subject to power outages during Public Safety Power Shutoff events and other natural disasters. The project to install a permanent backup generator was awarded on October 27, 2025 to SCW Contracting Corp and is approximately 50% complete. Part of the project requires a new SDG&E electric meter to incorporate the automatic transfer switch gear, enabling the backup generator to kick on and supply power in the event of an outage. Due to layout changes required by SDG&E early in the construction process, several unforeseen existing utility relocations were required. We also requested that the contractor add waterproofing on the retaining wall around the generator pad to better protect the wall and equipment.

The total value of the proposed change order is $77,740.61. The original contract amount was $1,570,692. With these additional costs, the total contracted project costs will be $1,648,432.61.

Budgetary Impact

The additional costs will be paid from the Board authorized total water capital budget. No adjustment to the Board adopted authorization is required. Note that $1,297,000 of the construction costs will be covered by grant funds.

Recommended Action

That the committee recommend to the Board approval of the pending change order request for work performed by SCW Contracting Corp for the SMGTP Backup Generator Project, in the amount of $77,740.61.

CHANGE ORDER NUMBER 001

NAME OF PROJECT: Job 3255, SMGTP Backup Generator

CONTRACTOR: SCW Contracting Corp

Original CONTRACT AMOUNT $1,570,692.00

Previous CHANGE ORDERS $0
Amount of this CHANGE ORDER $77,740.61
Total Accrued CHANGE ORDER VALUE $77,740.61
Current CONTRACT PRICE $1,570,692.00
New CONTRACT PRICE $1,648,432.61
Original COMPLETION Date ..... November 18, 2026
Time ADDED due to Previous CHANGE ORDERS ..... 0 CALENDAR DAYS
Time ADDED due to this CHANGE ORDER ..... 161 CALENDAR DAYS
New FINAL COMPLETION Date ..... April 28, 2027

This Change Order constitutes full and final settlement for all direct, indirect, and consequential costs, including but not limited to, all labor, design, equipment, material, mark-ups, and time associated with performing the work described herein. This document will become a supplement to the Contract and all Contract provisions will apply hereto. The Change Order will become effective when approved by the Fallbrook Public Utility District. By accepting this Change Order, the Contractor waives the right to make any additional claim for any item related to these changes.

The following changes are hereby made to the CONTRACT DOCUMENTS:

Item 1 – (COR#2) T&M #1 – Three (3) days of extra work for waterproofing of the retaining wall adjacent to the generator pad.

CHANGE TO CONTRACT AMOUNT	$13,595.86
TIME EXTENSION	3 calendar days

Perform all work in accordance with the Contract Documents.

Item 2 – (COR#3) T&M #2: Sub-contract for geotechnical services provided during the construction of the retaining wall, generator pad, conduit installation.

CHANGE TO CONTRACT AMOUNT	$3,827.25
TIME EXTENSION	0 calendar days

Perform all work in accordance with the Contract Documents.

Item 3 – (COR #4): T&M #3 Reroute IM sludge line, 2" water line, and 1" chemical feed line (in a 2" conduit). These lines were in conflict of the proposed alignment for the new electrical gear configuration, and repair 3" unmarked gas line.

CHANGE TO CONTRACT AMOUNT	$60,317.50
TIME EXTENSION	8 calendar days

Item 4 – Time extension due to equipment procurement and planning, coordination and construction by SDGE to reroute electrical connection.

CHANGE TO CONTRACT AMOUNT	$0
TIME EXTENSION	150 calendar days

Perform all work in accordance with the Contract Documents.

CONTRACTOR:

By:_____ **Date:**_____

Name: _____ **Title:** _____

RECOMMENDATION AND CONCURRENCE

FALLBROOK PUBLIC UTILITY DISTRICT:

By: _____ **Date:**_____

Name: Jack Bebee **Title: General Manager**

M E M O

TO: Engineering & Operations Committee
FROM: Devin Casteel, Operations Manager
DATE: December 1, 2026
SUBJECT: Neuros Blower PLC Upgrades at the SRTTP & NRTTP Facilities on Camp Pendleton

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Description

As part of the Intergovernmental Services Agreement (IGSA) with Camp Pendleton, FPUD is responsible for maintaining critical equipment necessary to ensure the continued operation of the Camp Pendleton Water Reclamation Plants. Camp Pendleton staff have identified this project as a priority due to the existing equipment reaching the manufacturer's end-of-life (EOL) status and the need for replacement to maintain operational reliability and performance standards.

Purpose

The contract is being recommended as a sole-source procurement with Neuros, the Original Equipment Manufacturer (OEM) and authorized integrator, and the sole provider with the necessary proprietary access, required to complete the upgrades. Utilizing Neuros will ensure compatibility with the existing control systems, minimize integration risks, and support efficient implementation while maintaining the operational reliability and performance of the Water Reclamation Plants

As part of the ongoing operation and maintenance of the Camp Pendleton Water Reclamation Plants, the existing Programmable Logic Controller (PLC) system and associated hardware of the blowers require replacement. The Original Equipment Manufacturer (OEM) has discontinued production of the PLC CPUs, I/O modules, communication cards, and associated Human-Machine Interface (HMI) hardware.

As a result, firmware development, cybersecurity patches, and OEM technical support are no longer available. Additionally, the existing system has limited diagnostic capabilities compared to current-generation platforms, restricting advanced fault logging, remote troubleshooting, and integration with plant-wide Supervisory Control and Data Acquisition (SCADA) and asset management systems.

Implementing this upgrade will provide several operational benefits, including:

- Restoring OEM lifecycle support and ensuring parts availability.
- Improving the cybersecurity posture of the control system.
- Reducing Mean Time to Repair (MTTR) through enhanced diagnostics and troubleshooting capabilities.
- Improving long-term system maintainability and integration flexibility.

- Supporting continued operational reliability of the Water Reclamation Plants.

Budgetary Impact

There will be no direct budgetary impact to FPUD, as the contract will be funded through the existing, approved IGSA with Camp Pendleton. The total cost for upgrades at both facilities is $791,174.

Recommended Action

The Engineering and Operations Committee recommends that the FPUD Board of Directors approve the contract with Neuros for the PLC system upgrades at both the SRTTP and NRTTP at its December 2026 Board meeting.