



FALLBROOK PUBLIC UTILITY DISTRICT
MEETING OF THE ENGINEERING & OPERATIONS COMMITTEE

AGENDA

TUESDAY, JANUARY 20, 2026
11:30 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.

Join Zoom Meeting

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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-D)

- A. MIGRATION OF CITYWORKS ENTERPRISE ASSET MANAGEMENT SOFTWARE TO A CLOUD BASED SOLUTION
- B. REQUEST THE COMMITTEE SUPPORT THE PURCHASE OF A SERVICE TRUCK, BACKHOE LOADER, AND DUMP TRUCK IN ACCORDANCE WITH THE APPROVED FLEET AND HEAVY EQUIPMENT REPLACEMENT PLAN
- C. RECOMMENDATION TO ENGAGE PROFESSIONAL SERVICES AGREEMENT FOR THE RED MOUNTAIN RESERVOIR LINER REHABILITATION PROJECT
- D. ENGINEERING AND OPERATIONS KEY PERFORMANCE INDICATORS

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.

January 15, 2026
Dated / Fallbrook, CA

/s/ Lauren Eckert
Executive Assistant/Board Secretary

MEMO

TO: Engineering and Operations Committee
FROM: David Shank, Assistant General Manager/CFO
Jack Bebee, General Manager
DATE: January 20, 2026
SUBJECT: Migration of Cityworks Enterprise Asset Management Software to a Cloud Based Solution

Purpose

Migrate the District's Cityworks Enterprise Asset Management Software to the Cityworks cloud based solution. Currently, the District's Cityworks software is on premise (*i.e.* housed on one of the District's servers). Trimble, the company that owns Cityworks, is migrating clients to a cloud based solution (called Unity) and has stopped enhancing their on-premise Cityworks solutions.

Summary

In April 2019, the Board approved the implementation of Cityworks Enterprise Asset Management (EAM) Software and hired a consultant to support these efforts. The core function of the EAM software is to help manage assets, schedule maintenance, and track and monitor service requests and work orders. This lowers asset maintenance costs, improves equipment performance, extends the service life of critical assets, and makes customer service responses quicker and more efficient. .

The District has been using Cityworks for over 6 years now and uses it to manage both preventative and corrective maintenance and repair activities, customer service orders, and dig alerts. For example, the District's sewer line inspections are captured by the District's TV inspection camera software and imported into the EAM and linked to the District's Geographical Information System (GIS). This allows staff to map out problem areas and track cleaning cycles. Improving the EAM system is ongoing effort and the District has invested a significant amount staff time to this endeavor.

While the enhancement of the on-premise EAM is ongoing, Trimble is solely focused on enhancing the Unity platform (the cloud based Cityworks). These enhancements are significant and wide ranging improving not only the user experience but also function of the system. The enhancements include better user interfaces and functionality, the ability to use mobile devices in the field seamlessly, better reports and data analytics, and making the system easier to maintain. These enhancements will significantly improve the District's EAM system's function and performance, which should result in more efficient operations.

The District currently pays \$23,150 as an annual maintenance fee for CityWorks on premise. As part of the move to the cloud based system, the District has negotiated a

three-year contract. The annual cost is \$35,625 for year one and year two (adjusted for inflation) and \$37,406 for year three. The fee would then be an annual renewal. As Trimble transitions away from on-premise solutions, the District's EAM will be stagnant and unsupported by Trimble at some point in the near future.

Recommended Action

The Committee recommend the Board approve the Trimble contract.

M E M O

TO: Engineering & Operations Committee
FROM: Kevin Collins, Purchasing/Warehouse/Fleet Supervisor
DATE: January 20, 2026
SUBJECT: Request the Committee Support the Purchase of a Service Truck, Backhoe Loader, and Dump Truck in Accordance with the Approved Fleet and Heavy Equipment Replacement Plan

Description

This request is to replace a service truck, backhoe loader, and dump truck as planned and budgeted in accordance with the adopted Fleet and Heavy Equipment Replacement plan, enabling the District to maintain current operations.

Purpose

Unit 1103, a 2005 Chevrolet 3500 service truck, unit 1127, a 2010 Freightliner dump truck, and unit 1302, a 2014 Case backhoe loader, require replacement in accordance with the criteria developed as part of the Fleet and Heavy Equipment Replacement plan.

Purchasing staff requested quotes and received responses from two dealers for the backhoe, five dealers for the service truck, and five dealers for the dump truck. Velocity Truck Center was the lowest responsive and responsible bidder for the dump truck, at \$161,246.54. Transwest was the lowest responsive and responsible bidder for the service truck, at \$189,427.97. RDO Equipment was the lowest responsive and responsible bidder for the backhoe loader at \$147,944.34

7 Yard Dump Truck	
Cal Pacific Truck Center	\$165,019.25
West Mark	\$166,105.63
Technology International	\$132,000.00*
Velocity Truck Center	\$161,246.54
Sonsray	\$161,049.50**

* Truck bid does not meet minimum specifications (transmission).

**Truck bid does not meet minimum specifications (transmission).

Service Truck w/ Crane	
Precision Truck & Equipment Sales	\$198,000.00
Transwest	\$189,427.97
Sedano Ford	\$108,815.22*
Encinitas Ford	\$207,925.94
Sonsray	\$250,475.00

*Truck bid does not meet minimum specifications (4x4).

Backhoe Loader	
RDO Equipment	\$147,944.34
Sonsray	\$157,888.75

Budgetary Impact

There is no budgetary impact. These vehicles will be purchased within the Board authorized total capital budget and in accordance with the adopted Fleet and Heavy Equipment Replacement plan.

Recommended Action

The E&O Committee recommend to the full FPUD Board of Directors that staff procure one backhoe/loader from RDO Equipment for \$147,944.34, one service truck from Transwest for \$189,427.97, and one dump truck from Velocity Truck Center for \$161,246.54.

M E M O

TO: Engineering & Operations Committee
FROM: Aaron Cook, Engineering Manager
DATE: January 20, 2026
SUBJECT: Recommendation to Engage Professional Services Agreement for the Red Mountain Reservoir Liner Rehabilitation Project

Description

The Red Mountain Reservoir liner is beginning to reach the end of its useful life, and it is necessary to begin to plan for the rehabilitation or replacement of the reservoir liner. To ensure the best approach, the District is requesting professional consulting services to complete a feasibility study, perform necessary geotechnical investigations, and develop a preliminary design of the solution ultimately selected.

Purpose

The Reservoir is an earth embankment open reservoir constructed in 1983. It stores approximately 220 million gallons and covers 22 acres. The lining of the Reservoir is asphalt, which is no longer permitted to be repaired or resurfaced by the California Division of Drinking Water (DDW). The Reservoir liner is beginning to reach the end of its useful life, and it is necessary to begin to plan for the rehabilitation or replacement of the Reservoir liner.

The use of the reservoir has become more critical to District operations since the Santa Margarita River Conjunctive Use Project (SMRCUP) was completed in 2021, which provides varying amounts of local water dependent on rainfall and river flows. In wet years, the District receives more supply than overall demand and the District utilizes the Reservoir to help balance supply and demand.

District staff prepared a request for proposals and distributed it to potential engineering consultants with expertise in reservoir management and rehabilitation. The scope of the services will be conducted in phases. Phase 1 requires a comprehensive feasibility study including:

- Condition assessment of the Red Mountain Reservoir,
- Evaluation of other agencies approach to asphalt lined reservoirs,
- Engagement with the Division of Drinking Water on alternatives and potential for additional waivers for asphalt lining,
- Development of alternative feasible liner approaches with pros and cons,
- Identification of preferred alternatives for additional evaluation.

Phase 2 will include additional effort to collect information needed to develop a preliminary design for the preferred alternative, including:

- Additional geotechnical evaluations

- CEQA support
- Public outreach support

And the third phase will be to develop a preliminary design of the selected alternative and corresponding construction estimate. The specific tasks for phase two and three will depend on the outcome of phase one and the selected preferred alternative.

Proposals were due January 12. Staff reached out to six engineering consultants. Due to the unique nature of the work requiring specialized expertise, only three indicated interest in proposing. Ultimately, after reviewing the details of the RFP, only one proposal was received from Arcadis partnered with Hilts Consulting Group. Arcadis and Hilts have extensive experience with this type of work, having performed design and construction oversight on over 30 reservoirs, most in Southern California, over the last decade. Their team also has professionals that are on the national AWWA committee for reservoir liners and covers.

Budgetary Impact

The ultimate cost will depend on the results of the first phase and the selected preferred alternative. The fee for Phase 1 is \$150,000. Once the first phase is complete, staff will present the findings to the board and request authorization to continue with Phase 2 and 3 at that time. Depending on the selected alternative, the range of cost for phases 2 and 3 is expected to be an additional \$220,000. Phase 1 is anticipated to be completed by July 2026.

Phase 1 of the work will be completed within the Board authorized Capital Improvements Project and Operations budget for the 25/26 fiscal year. Phase 2 and 3 will be budgeted for the 26/27 fiscal year.

Recommended Action

That the Committee recommend the Board approve a professional services agreement with Arcadis, in the amount not to exceed \$150,000, for the first phase of the Red Mountain Reservoir Liner Rehabilitation Project feasibility study.

M E M O

TO: Engineering and Operations Committee
FROM: Aaron Cook, Engineering Manager
Carl Quiram, Operations Manager
DATE: January 20, 2026
SUBJECT: Engineering and Operations Key Performance Indicators

Purpose

To provide information to the Board on the Key Performance Indicators (KPIs) that have been developed for Engineering and Operations.

Summary

The primary purpose for developing and tracking KPIs is to provide a performance measurement system that gives management the ability to analyze data, make better decisions, and improve the organization. District KPIs are largely focus on Capital Improvement Projects (CIP), Preventative Maintenance (PM), leak response, and regulatory compliance.

Recommended Action

This is an information item. No board action needed.