



FALLBROOK PUBLIC UTILITY DISTRICT  
MEETING OF THE ENGINEERING & OPERATIONS COMMITTEE

AGENDA

THURSDAY, NOVEMBER 21, 2024  
11:00 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.**

**Join Zoom Meeting**

<https://us06web.zoom.us/j/83207274156?pwd=JUFYCFdG1HcrxT8rLUOujhghHtX9H.1>

**MEETING ID: 832 0727 4156  
AUDIO PASSCODE: 112022**

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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](mailto: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. FY24-25 CAPITAL PROJECTS UPDATE
- B. AWARD OF TOYON PUMP STATION PIPELINE EXTENSION PROJECT
- C. AWARD OF SEWER MAIN RELINING PROJECT – FY 25
- D. BOARD NOTIFICATION OF EMERGENCY DECLARATION FOR PIPE REPAIR ON BEAVERCREEK LANE, JOSTEN WAY, AND W FALLBROOK STREET

**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 18, 2024  
Dated / Fallbrook, CA

/s/ Lauren Eckert  
Executive Assistant/Board Secretary

MEMO

**TO:** Engineering and Operations Committee  
**FROM:** Aaron Cook, Engineering Manager  
**DATE:** November 21, 2024  
**SUBJECT:** FY24-25 Capital Projects Update

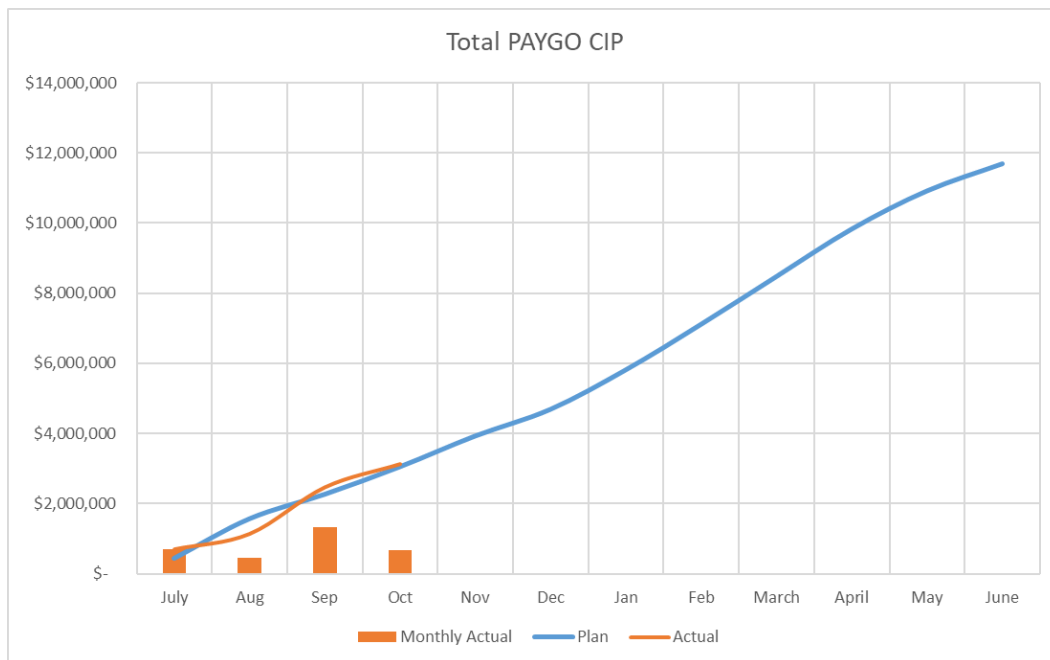
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Description

Update on the progress of the capital projects planned for the current fiscal year. The reported expenditures shown are through October 2024.

Purpose

Through the first four month of fiscal year 2025, the CIP execution has proceeded as planned. As is typical, there have been some changes to priorities and project cost expectations, but they are not anticipated to impact the overall CIP budget at this time. Project specific information is provided below. Staff will continue to provide updates as the year progresses.



Through October, the Water CIP PAYGO budget is approximately 27% expended. Significant projects include:

- Mainline Valve Replacements – Ongoing, on track to meet annual goal.
- Ross Lake Pipeline Replacement – 2,600 linear feet of pipeline replacement, completed in August 2024.
- Via Arroyo Pipeline Replacement – 5,500 linear feet of pipeline replacement, on track to be completed in February 2025.

- Kauffman Isolation Valve Replacement – Construction began in November and is expected to be completed by April 2025.
- Rattlesnake Tank Site Improvements – Project was awarded in October. Construction has not yet begun, but is anticipated to be completed before the end of the fiscal year.
- Downtown Pipeline Replacement – Design is ongoing for over 9,000 linear feet of pipe. The project will be bid and awarded in early 2025, but will most likely not begin construction until the early part of next fiscal year.
- 8 MG Tank Chlorination Station – No progress to date. Installation of this project will likely be deferred to the following year.
- Toyon and De Luz Pump Stations – Toyon pump is currently being built by FPUD field crews and the needed pipeline extension contract is scheduled to be awarded in this meeting. The new Toyon pump is expected to be completed before the end of the fiscal year. The De Luz Pump, which will actually consist of two separate pump stations will be contracted for procurement and installation before the end of the fiscal year, but the majority of construction will occur in the following fiscal year. FPUD crews installed a temporary pump to enable some SMRCUP water to be pumped to De Luz before the permanent pump stations are completed. The process piping and electrical components of the temporary pump will be repurposed for the permanent pump station when installed.
- Emergency Pipeline Replacements – Approximately 1,200 linear feet of pipe that was prioritized due to recent emergency shutdowns requiring isolated sections of mainline and high-lining. Work has already begun and is anticipated to be completed by February.
- Santa Margarita River Groundwater Treatment Plant Emergency Backup Generator – The District was awarded a grant to fund \$1.2M dollars towards a backup generator at the treatment plant. This project was not budgeted for the current year. The majority of the design was completed previously as part of the grant application. Staff will work to complete the design and solicit bids. But by the time the project is awarded and procurement completed, the majority of the costs (to be reimbursed by the awarded grant) are expected to be part of next year’s budget.

	<b>Goal</b>	<b>Progress to Date</b>
<b>Pipeline (linear feet)</b>	9,000	2,600
<b>Valves Replaced</b>	100	27

Through October, the Wastewater CIP PAYGO budget is approximately 22% expended. Significant projects include:

- Outfall Air-Vac/Drain Replacements – FPUD field crews have been working to replace aging valves on the outfall line since August and expect to complete the planned replacements by the end of November.

- WRP Mechanical Equipment Replacements – Ongoing routine replacements for mechanical equipment are progressing as planned. FPUD staff are currently focused on rehabilitating the secondary clarifiers.
- Main Avenue Sewer Main Replacement – This project, replacing approximately 700 linear feet of sewer main was awarded in July and will begin construction in November. It is expected to be completed by February.
- Sewer Main Relining – This project, relining over 2,000 linear feet of sewer main, will be awarded in this meeting, and is expected to be completed in the second half of the fiscal year.
- WRP Inlet Creek Crossing – The original project design was deemed infeasible based on high bid prices. Staff intend to modify the approach and re-bid. No progress to date. This may end up being deferred to the following year.
- WRP Chlorine Building Scrubber Replacement – The scrubber equipment has been ordered and is anticipated to be delivered in April. Staff are finishing the installation plan and will contract for installation when the equipment is delivered in the Spring.
- Anthony's Corner Lift Station Pump Replacements – Pumps have been ordered and are expected to be delivered and installed by early December.
- WRP Centrifuge Replacement – The reclamation plant has two centrifuge units. Both of them have experienced operational issues. Staff had planned to replace one of the units this fiscal year. On closer analysis, both units are repairable at much lower cost than replacement and are expected to perform reliably for many more years after repair.
- Overland Trail Lift Station Pump Replacements – Due to ongoing issues with the OTLS pumps, staff have initiated the process of replacing the pumps with a more reliable option.
- Vactor Truck Replacement – Delivered in September.

Through October, there have not been any expenditures on the Recycled Water CIP. Significant projects include:

- Tertiary Filter Valve Replacements – Staff plan to contract for replacement of the valves at the outlet of the tertiary filters. These valves are difficult to access deep in the filter structure vaults. We are currently waiting on quotes and intend for this to be completed in the second half of the fiscal year.
- Recycled Pump Replacement – Staff have been strategically rebuilding the pumps at the recycled water pump station. Two pumps were rebuilt last year, with two remaining to be rebuilt. This will be deferred to next year to prioritize more filter valve replacements.

Through October, the Administrative CIP PAYGO budget is approximately 56% expended. Significant projects include:

- Electric Vehicle Charging Stations – The charging stations have been installed, but need the switchgear installed to be operational. There was a delay in delivery of the switchgear, but it is expected to be installed by February 2025.
- Enterprise Resource Planning Software Replacement – Staff have begun the planning process to replace the District's ERP software with the goal of selecting

a replacement by the end of the fiscal year and implementing the change in the coming fiscal year.

Budgetary Impact

No budgetary impact; the capital program is currently tracking within the planned budget, even with the changes in priority.

Recommended Action

For discussion only; no recommended action.

**M E M O**

**TO:** Board of Directors  
**FROM:** Aaron Cook, Engineering Manager  
**DATE:** November 21, 2024  
**SUBJECT:** Award of Toyon Pump Station Pipeline Extension Project

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Description

Request for Board approval to award the Toyon Pump Station Pipeline Extension Project to the lowest responsive bidder.

Purpose

This project is a part of the Toyon Pump Station Replacement Project. The existing Toyon Pump Station, built in 1982, has exceeded its useful operating life and is being replaced. The existing pump station is in the Toyon Heights neighborhood. To consolidate footprint and co-locate facilities, the new pump station is being built on the site of the District's Red Mountain Reservoir/UV Treatment property. In order to feed the Toyon pressure zone, this pipeline extension is necessary to connect the new pump station to the nearest existing pipeline. The new pipeline is approximately 850 linear feet of 8-inch cement lined & coated welded steel pipe.

District staff prepared the design package for the project and solicited for general contractor construction bids from the District's pre-approved pipeline contractor list. Bid opening was November 6, 2024. Five (5) bids were received. A summary of the bid results is below:

COMPANY	BID AMOUNT
PK Mechanical	\$350,000
TK Construction	\$459,900
Gentry	\$495,500
Filanc	\$499,000
CCL	\$748,500

PK Mechanical was the apparent lowest responsible bidder at \$350,000. PK Mechanical has successfully performed work for the District in the past.

Budgetary Impact

The work will be completed within the Board authorized total capital budget.

Recommended Action

That the Committee recommend to the Board award the Toyon Pump Station Pipeline Extension Project to the lowest responsible bidder, PK Mechanical, for \$350,000.

MEMO

**TO:** Engineering & Operations Committee  
**FROM:** Aaron Cook, Engineering Manager  
**DATE:** November 21, 2024  
**SUBJECT:** Award of Sewer Main Relining Project – FY 25 (Job #3197)

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Description

Award of the Fiscal Year 2025 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 925 linear feet of 6-inch, 1,250 linear feet of 8-inch, and 100 linear feet of 12-inch gravity sewer main. The work consists of trenchless restoration of existing mainline to like-new condition. Bid opening was November 14, 2024. Three bids were received. A summary of the bid results is below:

	<b>Company Name</b>	<b>Bid Amount</b>
1	Sancon Technologies	\$209,107.50
2	Insituform Technologies, LLC	\$303,508
3	NorCal Pipeline	\$483,342.60

Sancon Technologies was the apparent lowest responsible bidder at \$209,107.50. Sancon has successfully completed similar work for the District in the past and has extensive experience with sewer main relining projects.

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 FY25 Sewer Main Relining Project to the lowest responsible bidder, Sancon Technologies in the amount of \$209,107.50.



## M E M O

**TO:** Engineering and Operations Committee  
**FROM:** Aaron Cook, Engineering Manager  
**DATE:** November 21, 2024  
**SUBJECT:** Board notification of emergency declaration for pipe repair on Beaver Creek Lane, Josten Way, and W Fallbrook Street

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Description

California Public Contract Code Section 22050 authorizes special contracting procedures in case of an emergency; the General Manager may take immediate action required by the emergency to procure the necessary equipment, services, and supplies for those purposes, without giving notice for bids. However, the GM must report to the Board of Directors with an update at each regularly scheduled meeting to determine that there is a need to continue the action. When the Board reviews the emergency action, it shall terminate the action at the earliest possible date that conditions warrant so that the remainder of the emergency action may be completed by giving notice for bids to let contracts. In the March 2023 meeting of the board, three prequalified contractors were approved for on-call emergency pipeline repair services.

Purpose

Multiple recent leaks have occurred on sections of existing water main on Beaver Creek Lane, Josten Way, and W Fallbrook Street, resulting in repeated emergency shutdowns in these areas, isolated mainline, and high-lined services. To restore reliable service, staff have engaged SCW Contracting Corp, one of the prequalified contractors for emergency repairs, per the on-call emergency pipeline repair services procedures. The targeted area consists of approximately 800 linear feet of 16-inch water main on Beaver Creek Lane, 400 linear feet of 6-inch water main on Josten Way, and 300 linear feet of 8-inch water main on W Fallbrook Street.

Budgetary Impact

The estimated cost of these repairs is \$900,000. The costs will be covered by the approved capital budget pipeline replacement funds. These pipelines were planned for replacement in the near future. However, because of the urgent need for replacement, they will be repaired with the current year's pipeline replacement funds.

Recommended Action

The Committee notify the Board that the emergency declaration made by the General Manager has resulted in the construction work as documented above.