

# Water well generators

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## Overview

Request Owner	Julio Colunga, Public Works Superintendent
Est. Start Date	10/01/2022
Est. Completion Date	12/31/2023
Department	Water Utility
Type	Other

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## Description

Staff recommends installing generator hookups and purchasing mobile generators large enough to power the water wells in case of a power outage. Staff is unsure of the project's cost but hopes the requested amount would cover setting up two water wells. Having these setups during the past winter storm would have helped with keeping water flowing into the city in the event GBRA was to shut down.

## Project Status

planning

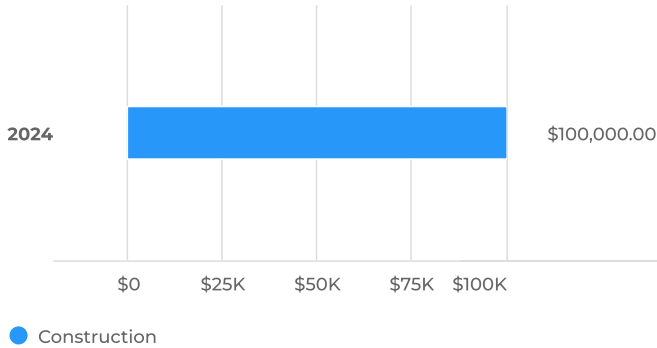
Capital Cost

FY2024 Budget  
\$100,000

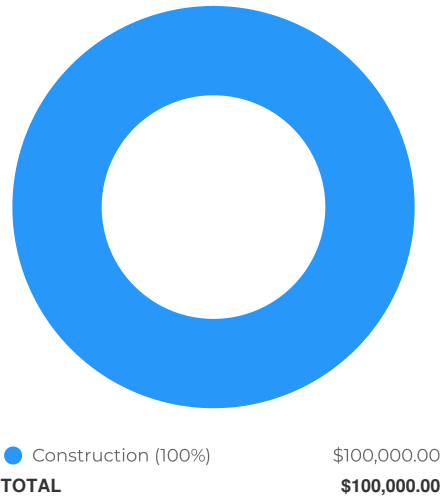
Total Budget (all years)  
\$100K

Project Total  
\$100K

Capital Cost by Year



Capital Cost for Budgeted Years



Capital Cost Breakdown		
Capital Cost	FY2024	Total
Construction	\$100,000	\$100,000
Total	\$100,000	\$100,000

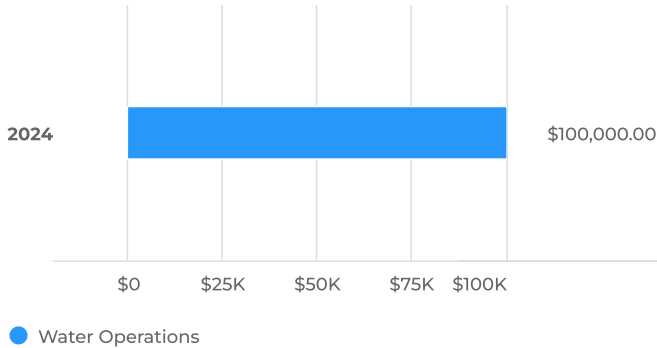
Funding Sources

FY2024 Budget  
\$100,000

Total Budget (all years)  
\$100K

Project Total  
\$100K

Funding Sources by Year



Funding Sources for Budgeted Years



Funding Sources Breakdown		
Funding Sources	FY2024	Total
Water Operations	\$100,000	\$100,000
Total	\$100,000	\$100,000

# well 26 easement and repair

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## Overview

Request Owner	Julio Colunga, Public Works Superintendent
Est. Start Date	10/01/2022
Est. Completion Date	12/31/2022
Department	Public Works
Type	Other

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## Description

This project is to bring well 26 back on line and establish an access easement.

Water well 26l located in Village Green outside of the city has been down for two years due to the pump failing. Due to the litigation issues, this project was on hold till the litigation for the water well was finalized. Now that the water well litigation is complete, staff needs to repair it and bring it back online.

Restoring the water well will require clearing the access easement, installing three new gates, pulling the water well pump, and replacing it with a new pump.

Clearing the easement is estimated to cost 15,000.00

installation of 3 gates is estimated to cost\$15,000.00

contractor to pull water well and replace pump is estimated to cost \$30,000.00

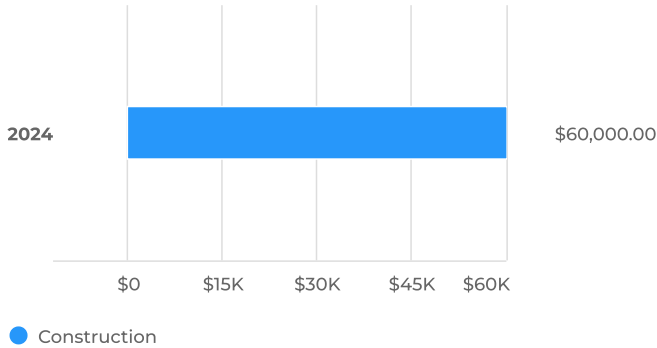
Capital Cost

FY2024 Budget  
\$60,000

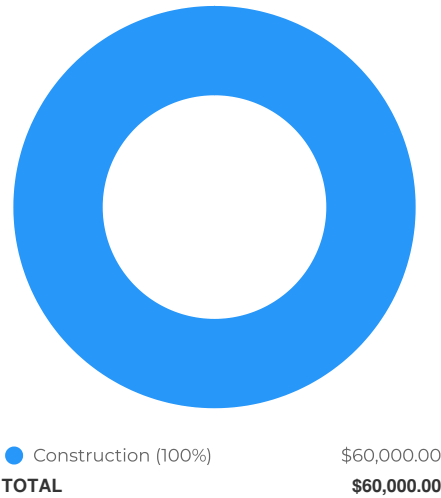
Total Budget (all years)  
\$60K

Project Total  
\$60K

Capital Cost by Year



Capital Cost for Budgeted Years



Capital Cost Breakdown		
Capital Cost	FY2024	Total
Construction	\$60,000	\$60,000
Total	\$60,000	\$60,000

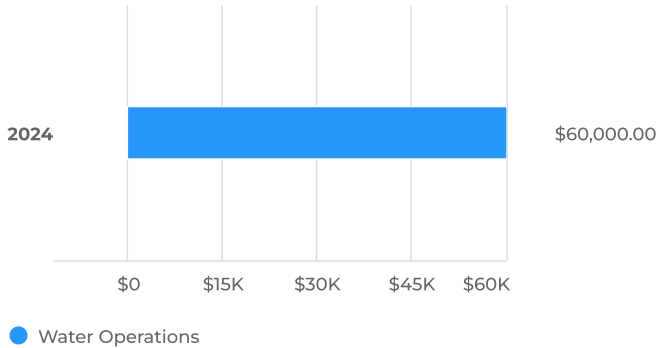
Funding Sources

FY2024 Budget  
\$60,000

Total Budget (all years)  
\$60K

Project Total  
\$60K

Funding Sources by Year



Funding Sources for Budgeted Years



Funding Sources Breakdown		
Funding Sources	FY2024	Total
Water Operations	\$60,000	\$60,000
Total	\$60,000	\$60,000

# JW-1 SCADA Waterwell set up

## Overview

Request Owner	Julio Colunga, Public Works Superintendent
Est. Start Date	01/01/2024
Est. Completion Date	05/01/2024
Department	Water
Type	Other

## Description

The JW1 water well is located outside the city off Ralph Fair Road and near Plant 4. This water well was never put into operation due to previous concerns of contamination from the military base. However, a few years back, the base notified the city that the water showed no signs of contamination and may be used; the city also conducted its sampling, which passed all requirements.

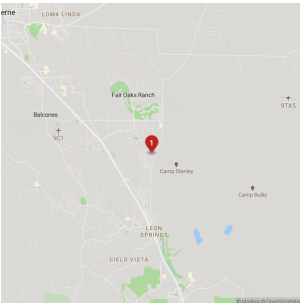
This pump has all the infrastructure needed to pump water to plant four except for the SCADA control panel, allowing it to communicate with the plants and come on and off as demand requires. Staff recommends installing a new SCADA panel at the well and bringing this water well online.

The attached image shows the well location (yellow and red dot) along with water plant 4 (black square).

## Images



## Location



## Project Status

In the planning phase.

Capital Cost

FY2024 Budget

\$60,000

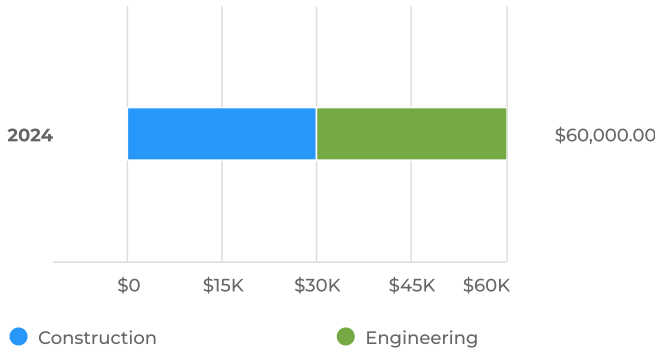
Total Budget (all years)

\$60K

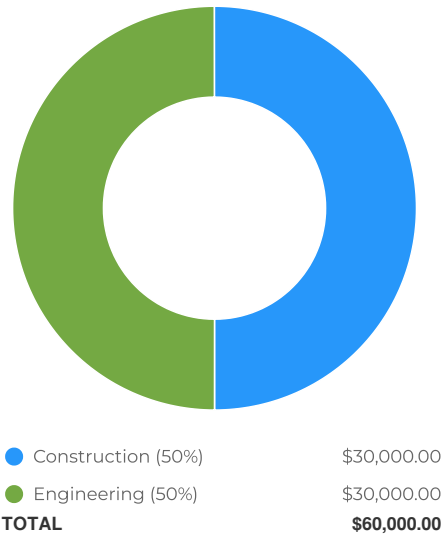
Project Total

\$60K

Capital Cost by Year



Capital Cost for Budgeted Years



Capital Cost Breakdown		
Capital Cost	FY2024	Total
Engineering	\$30,000	\$30,000
Construction	\$30,000	\$30,000
Total	\$60,000	\$60,000



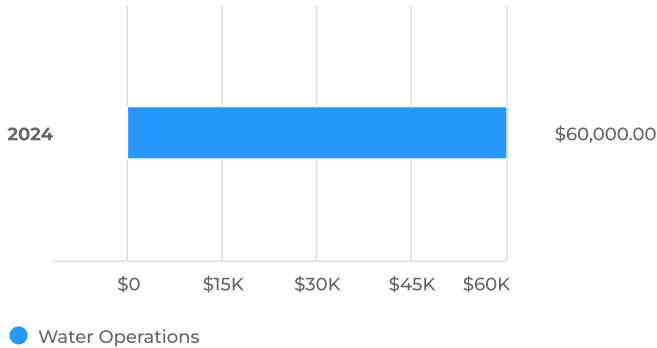
Funding Sources

FY2024 Budget  
\$60,000

Total Budget (all years)  
\$60K

Project Total  
\$60K

Funding Sources by Year



Funding Sources for Budgeted Years



Funding Sources Breakdown		
Funding Sources	FY2024	Total
Water Operations	\$60,000	\$60,000
Total	\$60,000	\$60,000

# Water plant 1 valve installation

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## Overview

Request Owner	Julio Colunga, Public Works Superintendent
Est. Start Date	10/01/2022
Est. Completion Date	02/28/2023
Department	Water Utility
Type	Other

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## Description

There is currently a minor water leak at water plant 1. For staff to repair this line, it would require shutting down the gravity feed line leaving water plant one that feeds gravity zone B. Shutting this line down would shut the water off to half of the city. The proposed valve would be cut into the water line without shutting the water off to residents and allowing staff to make future repairs if needed. Staff would be hiring a contractor to come in and install the valve. A demo of the valve cut in process can be seen by looking up AVT EZ Valve.

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## Images



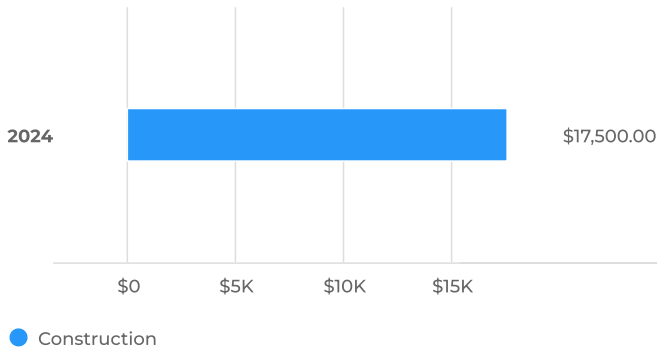
Capital Cost

FY2024 Budget  
\$17,500

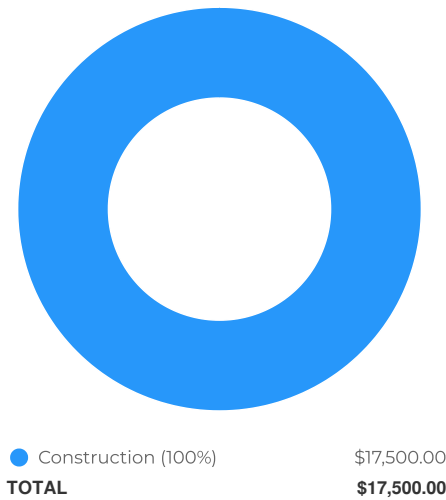
Total Budget (all years)  
\$17.5K

Project Total  
\$17.5K

Capital Cost by Year



Capital Cost for Budgeted Years



Capital Cost Breakdown		
Capital Cost	FY2024	Total
Construction	\$17,500	\$17,500
Total	\$17,500	\$17,500

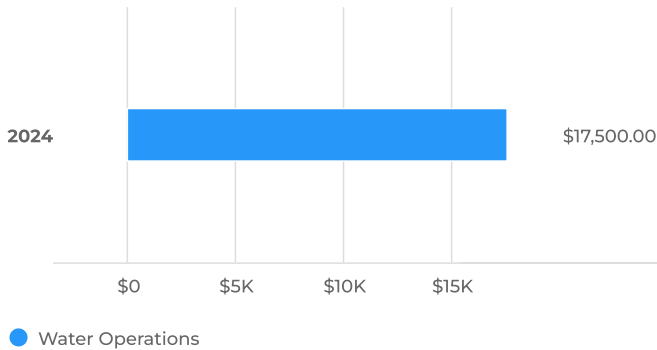
Funding Sources

FY2024 Budget  
\$17,500

Total Budget (all years)  
\$17.5K

Project Total  
\$17.5K

Funding Sources by Year



Funding Sources for Budgeted Years



Funding Sources Breakdown		
Funding Sources	FY2024	Total
Water Operations	\$17,500	\$17,500
Total	\$17,500	\$17,500

# easement gates

## Overview

Request Owner	Julio Colunga, Public Works Superintendent
Est. Start Date	01/01/2024
Est. Completion Date	09/30/2024
Department	Water
Type	Other

## Description

The utility has multiple water and sewer lines in residents' backyards. Some water and sewer lines are inaccessible due to fences built over them without gates. Due to the missing gates, in the event of a water line or sewer backup, staff could not access the pipes without damaging residents' gates. Staff recommends starting a new project to install a gate and make the easement accessible. The attached image is a water line along Ralph Fair Road properties that is currently inaccessible.

## Images



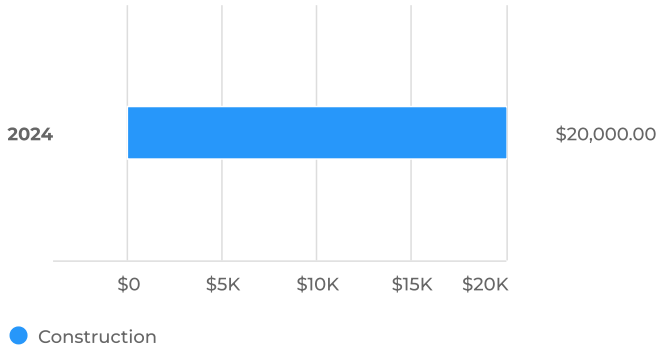
Capital Cost

FY2024 Budget  
\$20,000

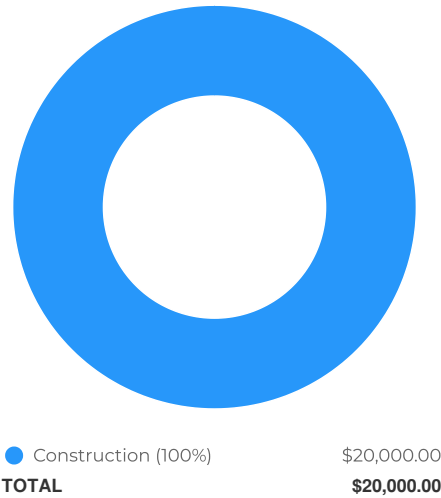
Total Budget (all years)  
\$20K

Project Total  
\$20K

Capital Cost by Year



Capital Cost for Budgeted Years



Capital Cost Breakdown		
Capital Cost	FY2024	Total
Construction	\$20,000	\$20,000
Total	\$20,000	\$20,000

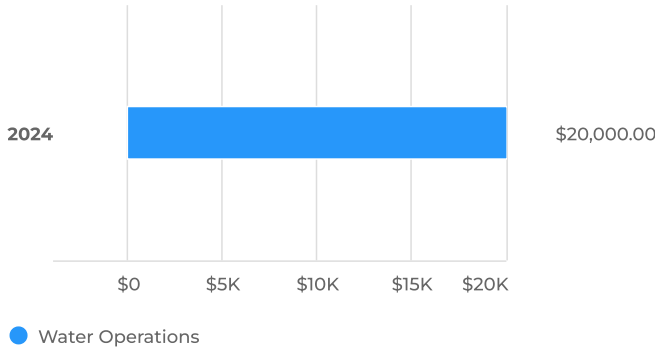
Funding Sources

FY2024 Budget  
\$20,000

Total Budget (all years)  
\$20K

Project Total  
\$20K

Funding Sources by Year



Funding Sources for Budgeted Years



Funding Sources Breakdown		
Funding Sources	FY2024	Total
Water Operations	\$20,000	\$20,000
Total	\$20,000	\$20,000

# NEW meter base station

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## Overview

Request Owner	Julio Colunga, Public Works Superintendent
Est. Start Date	01/01/2024
Est. Completion Date	06/30/2024
Department	Water Utility
Type	Capital Equipment

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## Description

Our current base stations used for capturing the water meter reads will be 10 years old and unable to provide additional information to efficiently manage the water meters in the Sensus Cloud environment. The old equipment is not being manufactured or stocked much any longer so replacement parts are very sparse. Newer equipment would be easier to come by without the risk of an outage for meter reads.

This project will be replacing all of the equipment in our base station cabinets, including the cabinets themselves. The new model transceiver is better suited to extreme temperature swings and will no longer require the built-in HVAC unit in our old cabinets. We replaced the S-900 model transceiver at Plant-2 from a component failure last year and it was a refurbished model that took a while to be replaced.

the base stations are located at water plant 1 and water plant 2.

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## Supplemental Attachments

 [meter base station\(/resource/cleargov-prod/projects/documents/ba7a0663e455ea367ae3.pdf\)](/resource/cleargov-prod/projects/documents/ba7a0663e455ea367ae3.pdf)



Capital Cost

FY2024 Budget

\$120,000

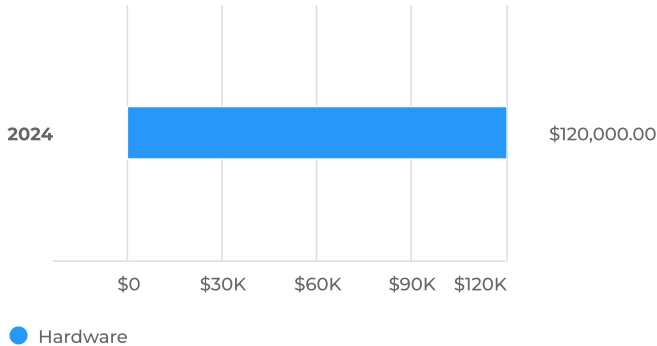
Total Budget (all years)

\$120K

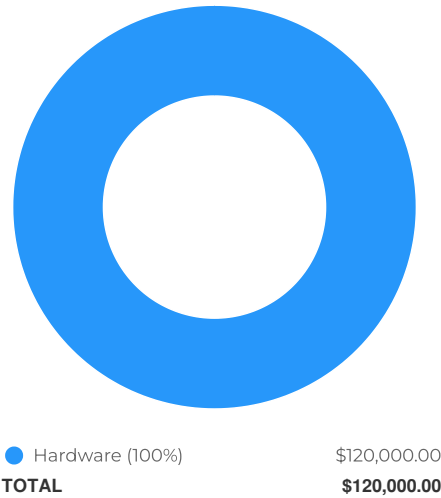
Project Total

\$120K

Capital Cost by Year



Capital Cost for Budgeted Years



Capital Cost Breakdown		
Capital Cost	FY2024	Total
Hardware	\$120,000	\$120,000
Total	\$120,000	\$120,000

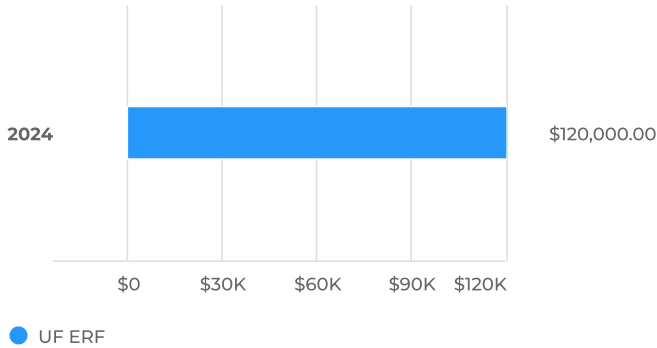
Funding Sources

FY2024 Budget  
\$120,000

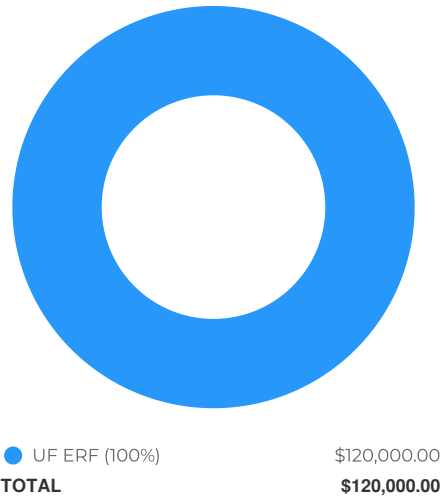
Total Budget (all years)  
\$120K

Project Total  
\$120K

Funding Sources by Year



Funding Sources for Budgeted Years



Funding Sources Breakdown		
Funding Sources	FY2024	Total
UF ERF	\$120,000	\$120,000
Total	\$120,000	\$120,000