Fencing at Fire Station 3 for lay down yard/storage

Overview

Request Owner	Clint Koerperich, Maintenance Supervisor
Department	Public Health, Safety and Welfare
Form Type	Other
Request Type	Capital Project - Governmental

Description

1. Project Overview

We propose installing perimeter fencing around approximately 40,000 sq ft of open yard at Fire Station 3, located at 30955 Meadow Creek Trail. This area is currently unfenced, limiting secure storage and safe maneuvering of large trucks, trailers, and equipment.

2. Purpose

- **Increase secure storage:** Protect city-owned vehicles, materials, and equipment from unauthorized access or theft.
- **Improve operational safety:** Define clear boundaries for large vehicle movements, reducing collision risk with scattered trees and other obstacles.
- **Minimize liability and downtime:** Prevent accidents that could sideline employees for 3–5 days due to investigations, preserving workforce availability and avoiding overtime or rental costs.

3. Current Conditions & Challenges

- **Total campus area:** ~63,300 sq ft with 47 mature trees, creating a maze-like environment.
- **Operational inefficiency:** Tight turning radii and unclear boundaries lead to slowdowns in daily public works activities.
- **Elevated risk:** Increased potential for vehicle/equipment damage, impacting customer service and departmental productivity.

4. Scope of Work

- **Fence type:** 8-ft-high galvanized chain link on the North and West sides of the lot, 8-ft-high privacy fence along South and East perimeter.
- **Perimeter length:** Approximately 1000 linear feet (est. 40,000 sq ft area).
- **Access gates:** Motorized 20 ft sliding gate for truck entry.
- **Site prep:** Minor grading, tree protection zones, concrete footings.
- **Ancillary:** Fence signage, reflective markers, and drainage accommodations.

5. Cost Estimate

Provided by De La Garza Fence and Supply Co.

1. Supply labor and materials for the installation of 406’ of a 1 x 6 x 8’ Cedar picket fence with 3 Horizontal rails, the post for the fence to be 2-3/8” x 20 Pipe spaced 8’ O.C.
2. Supply labor and materials for the installation of 558’ of an 8’ x 9- Gauge Chain link fence.
3. Manufacture and install one 8’ x 20’ opening Cantilever, Slide gate with 4” O.D. Gate pots.
4. Supply and install one Dorking Model 9150 Slide gate operator and pad.
5. Supply and install two Photo beams
6. Supply and install one Free exit Probe
7. Supply and install one Gooseneck Stand
8. Supply and install one AK11 Key pad.
   - Electrical to operator by other
   - Electrical to keypad by other

Total labor and materials; $ 33,622 No use or sales tax included

Materials: Fence Fabric: 8’ x 9- Gauge

Line Posts: 1-7/8” X SS 40 Pipe

Corner Pots: 2-7/8” x SS 40 Pipe

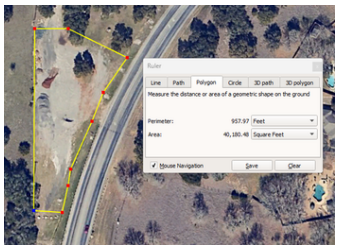
To Rail: 1-5/8” x SS 20 Pipe

6. Benefits & Return on Investment

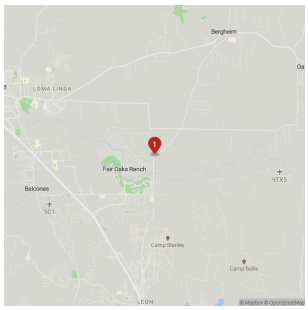
- **Reduced accident claims:** Avoid 3–5 days of employee downtime per incident
- **Lower maintenance costs:** Fewer repairs to city vehicles and equipment.
- **Enhanced security:** Decreased risk of theft or vandalism, saving potentially tens of thousands annually.

- **Operational efficiency:** Streamlined vehicle movements will improve daily throughput and service response times.

Images



Location



Supplemental Attachments

(/resource/cg-prod-v2/projects/documents/dbe79079148eb08ac2f3.docx)

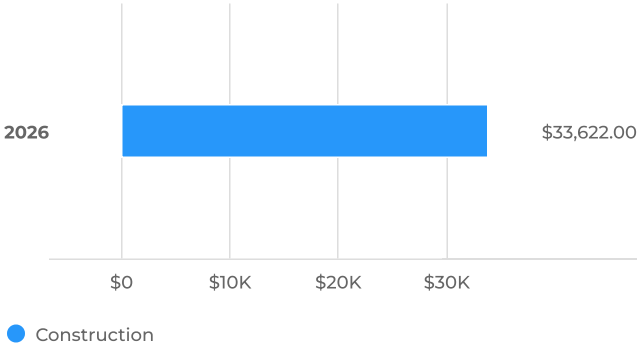
Capital Cost

FY2026 Budget
$33,622

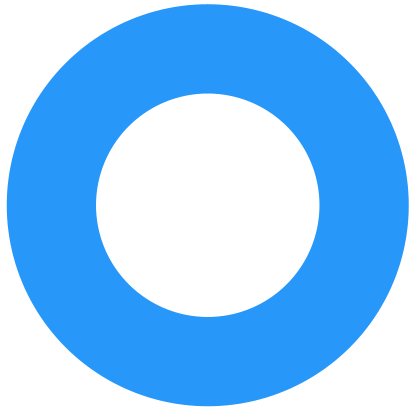
Total Budget (all years)
$33.622K

Project Total
$33.622K

Capital Cost by Year



Capital Cost for Budgeted Years



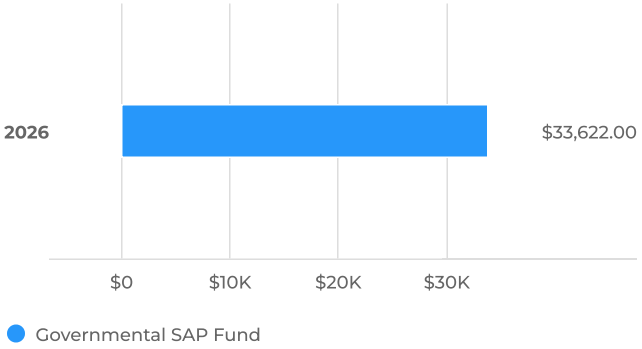
Capital Cost Breakdown

Capital Cost	FY2026	Total
Construction	$33,622	$33,622
Total	**$33,622**	**$33,622**

Funding Sources

FY2026 Budget	Total Budget (all years)	Project Total
$33,622	$33.622K	$33.622K

Funding Sources by Year



Funding Sources for Budgeted Years

Funding Sources Breakdown

Funding Sources	FY2026	Total
Governmental SAP Fund	$33,622	$33,622
Total	**$33,622**	**$33,622**

Water Plant Flow Meters x 4

Overview

Request Owner	Will Poole, Water Supervisor
Department	Water
Form Type	Other
Request Type	Equipment Request

Description

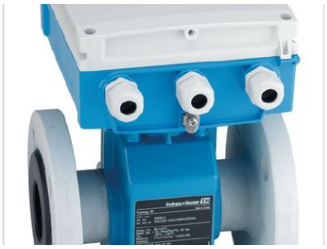
Justification for Replacement Flow Meters – Water Treatment Facilities

This request is for the replacement of four aging and outdated flow meters—two located at Water Plant 5 and two at the Elmo Davis Water Treatment Plant. The current equipment is no longer supported by the manufacturer, increasingly inaccurate, and does not meet modern standards for data tracking and operational efficiency.

Upgrading to new, accurate flow meters will enhance the utility's ability to monitor and report water flow to both treatment plants. Improved flow data will directly support efforts to reduce unaccounted-for water loss, a key performance and compliance metric in utility reporting. Reliable flow measurement is also essential for process optimization, regulatory reporting, and long-term asset planning.

Investing in these replacements will improve operational accuracy, strengthen regulatory compliance, and support the utility's broader goal of responsible and efficient water system management.

Images



Flow Meter Example

Details

Information regarding equipmment being replaced	Replacing old equipment. Old equipment is not an auction item.
Equipment Status	This will replace an existing piece of equipment (enter additional information below)

Supplemental Attachments

(/resource/cg-prod-v2/projects/documents/891996e68071c812d3b1.pdf)

(/resource/cg-prod-v2/projects/documents/d0d647a6e329b2b34f5a.pdf)

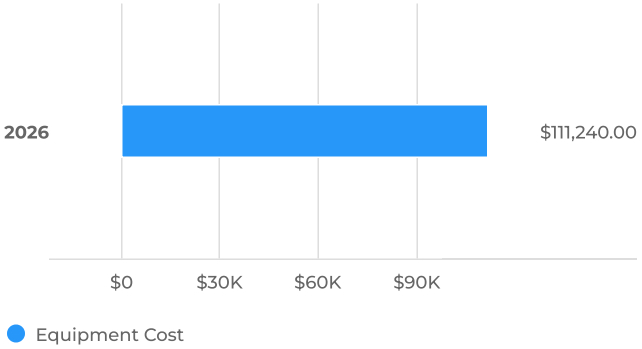
Capital Cost

FY2026 Budget
$111,240

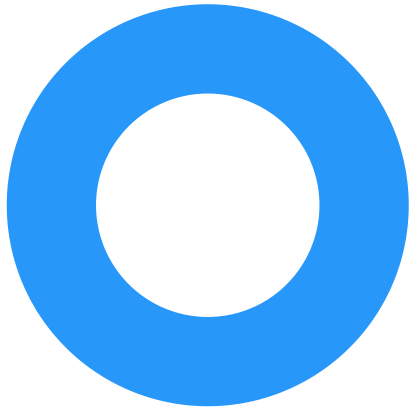
Total Budget (all years)
$111.24K

Project Total
$111.24K

Capital Cost by Year



Capital Cost for Budgeted Years



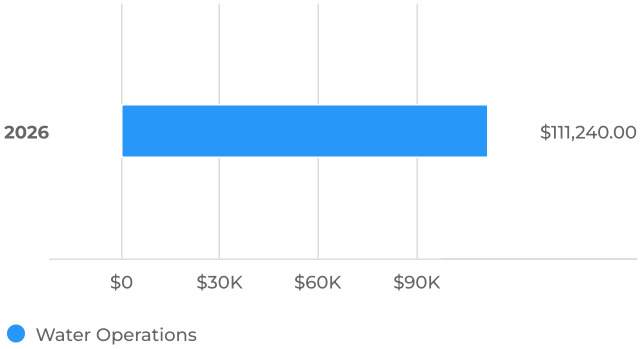
Capital Cost Breakdown

Capital Cost	FY2026	Total
Equipment Cost	$111,240	$111,240
Total	**$111,240**	**$111,240**

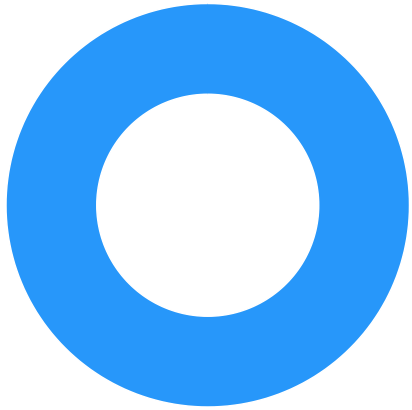
Funding Sources

FY2026 Budget	Total Budget (all years)	Project Total
$111,240	$111.24K	$111.24K

Funding Sources by Year



Funding Sources for Budgeted Years



Funding Sources Breakdown

Funding Sources	FY2026	Total
Water Operations	$111,240	$111,240
Total	**$111,240**	**$111,240**

Replacement Firewalls for SCADA PCs

Overview

Request Owner	Steven Fried, Water Supervisor
Department	Water
Form Type	Other
Request Type	Equipment Request

Description

Justification for Firewall Replacement – Water/Wastewater Facilities

This request is for the replacement of five firewalls that serve critical water and wastewater infrastructure locations. The existing devices have reached the end of their service life and are no longer supported by the manufacturer, leaving them increasingly vulnerable to security risks and system failures, and they do not meet the necessary encryption standards. Replacing these firewalls and the switches would provide us more visibility within the network as they were traditionally managed by Patti Engineering. Patti Engineering does not make many changes to the firewalls, which is optimal for IT to manage them moving forward under a unified view. Replacing the network switches as well would simplify network management and include additional capabilities in future cybersecurity initiatives. These firewalls are cellular based firewalls that will also be able to handle any future connections with a higher bandwidth medium, like fiber or ethernet, for an Internet connection.

These firewalls are a vital component of the utility's cybersecurity framework, protecting operational technology (OT) systems, control networks, and sensitive data from unauthorized access, cyberattacks, and other digital threats. Reliable network security is essential to ensure uninterrupted water and wastewater services to the community, maintain regulatory compliance, and safeguard public health and environmental safety.

Replacing these outdated firewalls will significantly reduce network vulnerabilities, enhance system integrity, and ensure continued protection of critical infrastructure. This investment supports the utility's commitment to secure, reliable, and resilient service delivery.

A rollout would include working with Patti Engineering one plant at a time to ensure minimal downtime. A test would be conducted with Patti ahead of any plant work beginning.

Details

Information regarding equipmment being replaced	Existing firewalls. Old equipment has no value.
Equipment Status	This will replace an existing piece of equipment (enter additional information below)

Supplemental Attachments

VPN Proposal(/resource/cg-prod-v2/projects/documents/167982da10a0eda980ae.pdf)

Proposal from Patti Engineering to upgrade VPN's

Capital Cost Details

These items are to be funded by water and wastewater (80% - 20%)

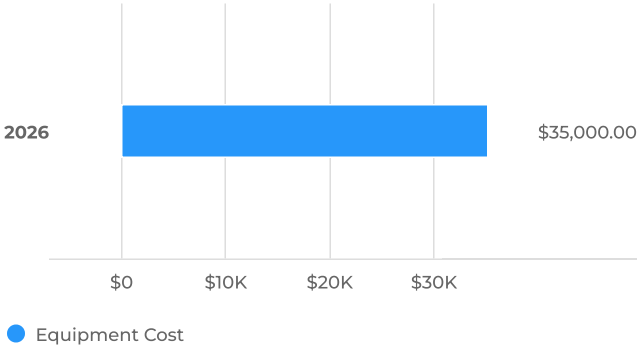
Capital Cost

FY2026 Budget
$35,000

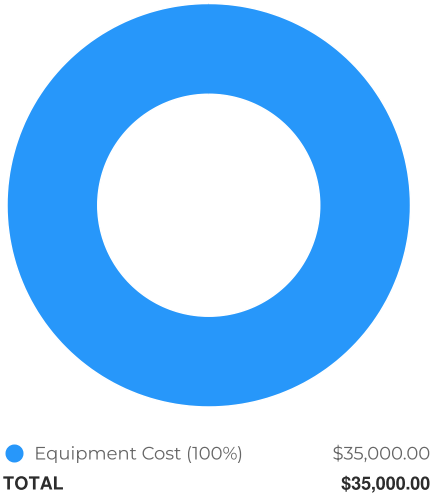
Total Budget (all years)
$35K

Project Total
$35K

Capital Cost by Year



Capital Cost for Budgeted Years



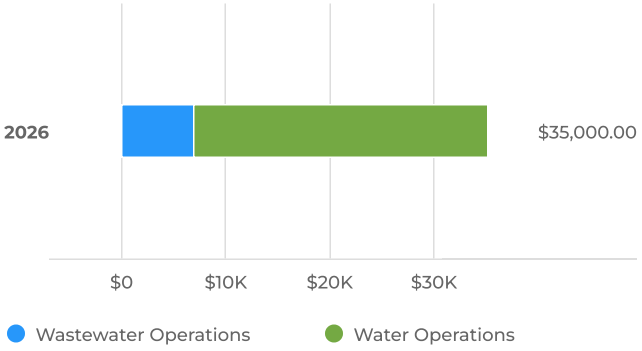
Capital Cost Breakdown

Capital Cost	FY2026	Total
Equipment Cost	$35,000	$35,000
Total	**$35,000**	**$35,000**

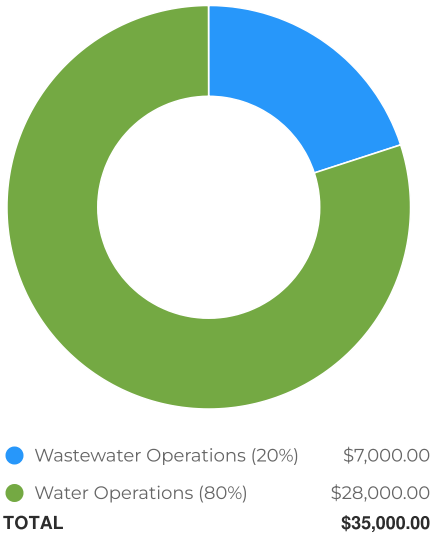
Funding Sources

FY2026 Budget	Total Budget (all years)	Project Total
$35,000	$35K	$35K

Funding Sources by Year



Funding Sources for Budgeted Years



Funding Sources Breakdown

Funding Sources	FY2026	Total
Water Operations	$28,000	$28,000
Wastewater Operations	$7,000	$7,000
Total	**$35,000**	**$35,000**

Lift Station Auto-Dialer: Installation

Overview

Request Owner	Brandon Garrettson, Wastewater Supervisor
Department	Wastewater
Form Type	Other
Request Type	Equipment Request

Description

We purchased 5 Auto Dialers last year that we would like to integrate with our sewer lift stations associated with the SCADA system. The Auto Dialers will place calls when a particular lift station has lost power or is at a high alarm level. Currently, when there is a loss of power, we get a "Communication Loss" from SCADA, with no further information on the status. The addition of this equipment will give staff a real-time status, allowing them to properly prioritize and mobilize during a power loss event. The scope of this project is as follows:

ENGINEERING DEVELOPMENT
Provide offsite engineering development services
Electrical/CAD design (AutoCAD format)
Offsite Auto Dialer configuration
MATERIALS/EQUIPMENT
Provide required electrical controls hardware:
Interposing Relays
Wire, misc installation materials
ONSITE SUPPORT
Provide up to 2 days (single shift) for:
Installation supervision
Debug
Commissioning
If more than any of the above allotted time is required/requested and Patti Engineering is not directly responsible for the need for the additional time, an extension PO will be required to continue onsite support

Details

Equipment Status	This is a new addition

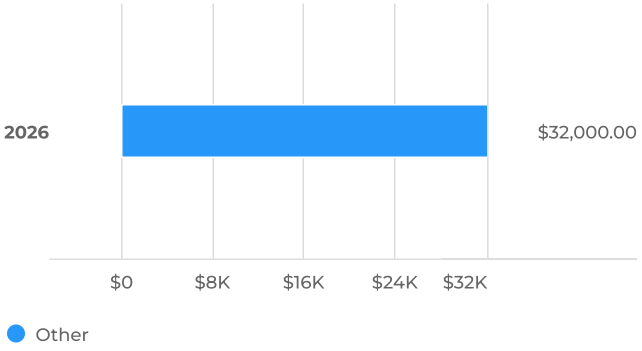
Capital Cost

FY2026 Budget
$32,000

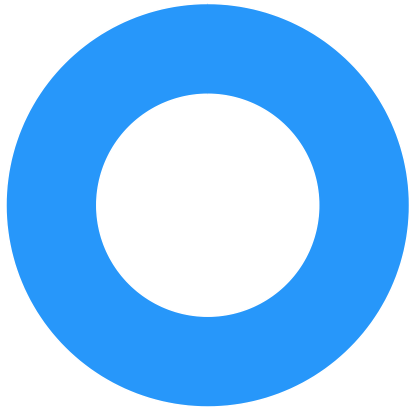
Total Budget (all years)
$32K

Project Total
$32K

Capital Cost by Year



Capital Cost for Budgeted Years



Capital Cost Breakdown

Capital Cost	FY2026	Total
Other	$32,000	$32,000
Total	**$32,000**	**$32,000**

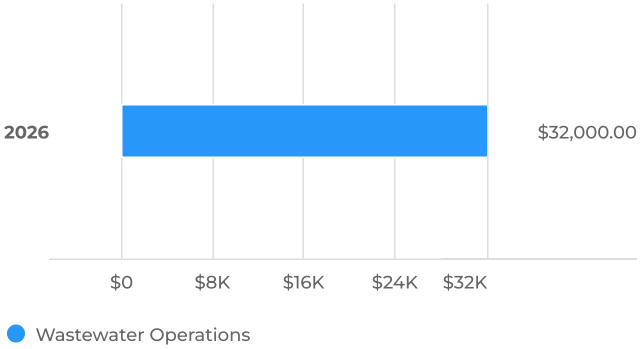
Funding Sources

FY2026 Budget
$32,000

Total Budget (all years)
$32K

Project Total
$32K

Funding Sources by Year



Funding Sources for Budgeted Years

Funding Sources Breakdown

Funding Sources	FY2026	Total
Wastewater Operations	$32,000	$32,000
Total	**$32,000**	**$32,000**

Replacement Mini Excavator

Overview

Request Owner	Steven Fried, Water Supervisor
Department	Water
Form Type	Other
Request Type	Equipment Request

Description

Justification for Replacement Utility Excavator – Water/Wastewater Department

The replacement of the existing utility excavator is essential to maintaining operational reliability and minimizing costly downtime. This machine serves as the department's primary equipment for water and sewer main and service repairs, new installations, and a variety of ongoing maintenance projects. The current unit is 14 years old and is approaching the end of its effective service life for our operations. It was originally scheduled for replacement in the previous fiscal year.

Proactively replacing this equipment is critical to avoiding unexpected breakdowns and the costly, time-consuming repairs associated with aging machinery. Having reliable, fully functional equipment is key to ensuring the department can meet daily operational demands without disruption.

The new excavator will serve both the water and wastewater divisions, enabling crews to respond more quickly and efficiently to service interruptions, emergency repairs, and routine maintenance tasks.

Investing in this replacement now will help mitigate escalating maintenance costs, reduce operational downtime, and ensure the continued delivery of reliable utility services to the community.

Images

Details

Information regarding equipmment being replaced	Current Mini Excavator. It has been discussed to keep the old excavator for some less critical operations. Auctioning off the old equipment is still to be considered.
Equipment Status	This will replace an existing piece of equipment (enter additional information below)

Supplemental Attachments

Mini excavator quote 2025(/resource/cg-prod-v2/projects/documents/50df2cf473bfe0d43e1c.pdf)

Capital Cost Details

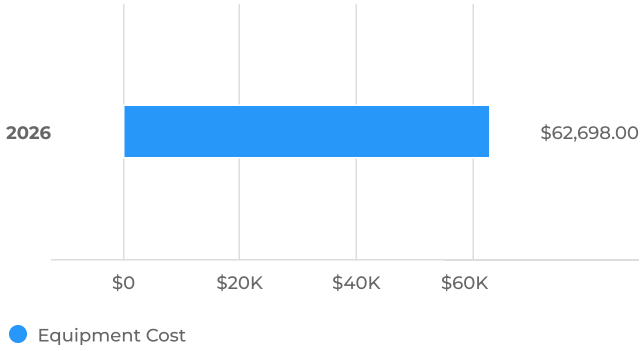
A 10% cost adjustment has been applied to this year's quote to account for inflation and the addition of a quick-connect attachment, which will improve operational efficiency and flexibility in the field.

Cost is to be split between water and wastewater 50/50

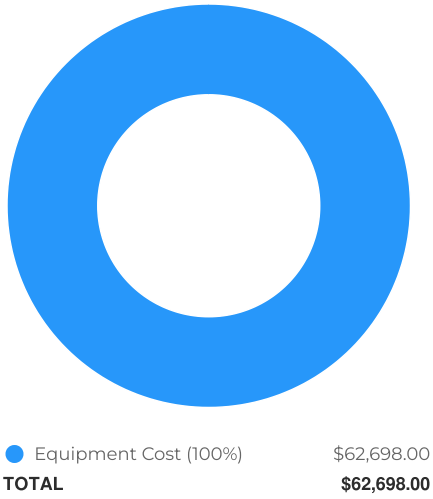
Capital Cost

FY2026 Budget	Total Budget (all years)	Project Total
$62,698	$62.698K	$62.698K

Capital Cost by Year



Capital Cost for Budgeted Years



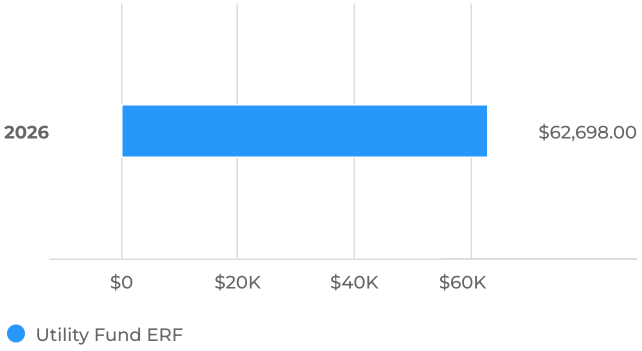
Capital Cost Breakdown

Capital Cost	FY2026	Total
Equipment Cost	$62,698	$62,698
Total	**$62,698**	**$62,698**

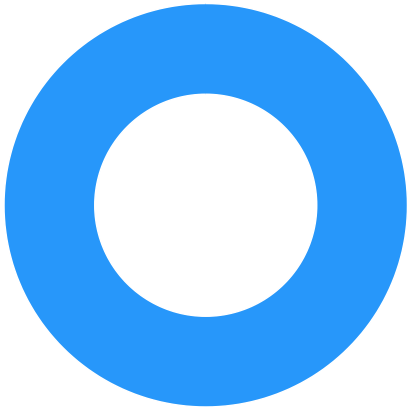
Funding Sources

FY2026 Budget	Total Budget (all years)	Project Total
$62,698	$62.698K	$62.698K

Funding Sources by Year



Funding Sources for Budgeted Years



Funding Sources Breakdown

Funding Sources	FY2026	Total
Utility Fund ERF	$62,698	$62,698
Total	**$62,698**	**$62,698**