

FY2017-2023 Capital Investment Program

W-98 Replacement of Large Commercial Water Meters

Category: **Water**
 Department: **Utilities**

Status: **Ongoing**
 Location: **Water Service Area**

Programmed Expenditures

Programmed Expenditures	Appropriated To Date	FY 2017 Budget	FY 2018 Budget	FY 2019 Budget	FY 2020 Budget	FY 2021 Budget	FY 2022 Budget	FY 2023 Budget
6,010,163	2,979,308	119,855	550,000	-	573,000	584,000	596,000	608,000

Description and Scope

This program systematically replaces older, obsolete high-volume commercial water meters (3" and larger) as they wear out. Due to their location and condition, these meters pose safety and access concerns and are generally beyond the ability of O&M crews to change out. Improved performance accuracy is a secondary benefit of the program. This ongoing program replaces approximately 4 commercial meters (and meter vaults, if required) each year.

Rationale

In the short term, this program reduces the likelihood of catastrophic system failures, unplanned service interruptions, damage claims to the city, and sharp rate increases to react to system failures rather than proactively managing the system. In the long term, timely replacement or repair of water system assets keeps customer rates as low as practical by managing the system at the least life-cycle cost while maintaining target service levels and meeting regulatory requirements.

Environmental Impacts

Replacing aging water infrastructure ensures a reliable supply of safe drinking water in sufficient quantity for homes and businesses. Minimizing water system failures means reduced environmental damage such as flooding and erosion, which can damage lakes, streams, and wetlands. Timely replacement of aging water pipes and appurtenances reduces the volume of treated, potable water lost to leakage into the ground or following system breaks.

Operating Budget Impacts

This program will have no significant impact on operating revenues and/or expenditures.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Project Costs	Ongoing	6,010,163

Total Budgetary Cost Estimate: 6,010,163

Means of Financing

Funding Source	Amount
Utility Rates/Fees	6,010,163

Total Programmed Funding: 6,010,163
Future Funding Requirements:

Comments