

825451 - Replacements and New Installations of Potable and Recycled Water Mains

Originating Year:	2006	Project Type:	Water	Department:	270 - Environmental Services
Planned Completion Year:	Ongoing	Category:	Infrastructure	Project Manager:	Marlon Quiambao Jr.

Project Description/Scope/Purpose

There are over 340 miles of water transmission and distribution pipelines in the City, varying in diameter from 4-inch to 30-inch. Approximately 66% of the existing pipes are made from cast iron, and were installed in the 1940s to 1970s. Many of these pipes have reached their useful life, especially in areas north of El Camino Real where soils are relatively corrosive. In some cases, internal corrosion results in water quality complaints and reduced fire protection flow.

This project funds replacement of water mains that are no longer reliable due to leaks, breaks, and corrosion. It additionally funds installation of new potable and recycled water mains as needed to improve system capacity and operational flexibility.

Project Evaluation and Analysis

Water main breaks along deteriorated pipes cause service interruptions to residential and commercial customers, and result in costly emergency repairs. The integrity of the City's water distribution system is critical to protect public health & convenience, to provide for reliable fire protection, and to ensure continuity of private & public business operations.

Fiscal Impact

This project is funded by Water Supply and Distribution Fund revenues. Although timing of design and construction may vary, water main projects are scheduled to fit within the existing budget.

Funding Sources

Water Supply and Distribution Fund

Plans and Goals

EM - Environmental Management - EM-1: Adequate Water Supplies

EM - Environmental Management - EM-3: Reliable and Safe Water Distribution

EM - Environmental Management - EM-4: Adequate Water Quality

Project Financial Summary

	Project Costs	Revenues	Operating Costs
Prior Actual	20,408,932	8,558	-
2022-23	9,813,028	-	-
2023-24	1,900,000	-	-
2024-25	-	-	-
2025-26	12,000,000	-	-
2026-27	7,000,000	-	-
2027-28	-	-	-
2028-29	1,107,309	-	-
2029-30	7,413,430	-	-
2030-31	1,174,744	-	-
2031-32	7,864,909	-	-
2032-33	1,246,285	-	-
2033-34	8,343,882	-	-
2034-35	1,322,185	-	-
2035-36	8,852,024	-	-
2036-37	1,402,705	-	-
2037-38	9,391,112	-	-
2038-39	1,488,130	-	-
2039-40	9,963,031	-	-
2040-41	1,532,774	-	-
2041-42	10,569,779	-	-
2042-43	1,624,740	-	-
20 Year Total	94,197,038	-	-
Grand Total	124,418,997	-	-