



Legislation Text

File #: 17-228, **Version:** 1

AUTHORIZATION TO ENTER INTO A PROFESSIONAL SERVICES AGREEMENT WITH PRIMATECH LLC, FOR THE CITYWIDE WATER SYSTEM ANALYSIS

Staff Contact: Craig Johnson, P.E., Director, Water Services

Purpose and Recommended Action

This is a request for City Council to authorize the City Manager to enter into a Professional Services Agreement with Primattech, LLC, in an amount not to exceed \$284,251.82 for water system analysis services to improve water distribution system operations.

Background

The City's water distribution system is a vast network of water mains, service lines, valves and fire hydrants which foster the conveyance of potable water for domestic and fire protection purposes. There are over 1,000 miles of water lines, including 24,000 valves, 62,000 service lines, 8,400 fire hydrants and 10 automatic pressure regulating valves.

Moving water through the City's distribution system is a key component in ensuring uninterrupted water service and reliability. Additionally, maintaining optimal pressure under all flow conditions is essential to providing water for domestic and fire protection purposes. Moreover, maintaining optimal water pressure reduces the amount of energy used to pump water throughout the distribution system and increases the life of the water system.

The purpose of this project is to conduct hydraulic modeling to determine pressure settings required for pressure control valve operations; provide design standards for City's pressure control valves; and update City's water system pressure maps.

Analysis

The City has experienced maintenance challenges with the existing pressure control systems. This study will provide the City with the necessary design criteria to replace the existing pressure control systems to ensure reliable water supply and pressure to our citizens.

Primattech, LLC was selected from the pre-qualified Engineering Consultants On-Call List to provide design and related engineering services.

Community Benefit/Public Involvement

Benefits from the project will enhance the integrity of the water distribution infrastructure, optimize water

distribution system operations, minimize pipeline breakage; service interruptions, improve fire protection throughout the City, and provide updated pressure information for new development within the City.

Budget and Financial Impacts

Funding is available in the adopted Water Services FY2016-17 and the proposed FY2017-18 capital budgets.

Cost	Fund-Department-Account
\$284,251.82	2400-61054-551200, Distrib Sys Imprv - citywide

Capital Expense? Yes

Budgeted? Yes

Requesting Budget or Appropriation Transfer? No

If yes, where will the transfer be taken from?