

Memorandum

REPORT TO: City Commission

FROM: Nick Pericich, Superintendent Water/Sewer Operations
Shawn Kohtz, Director of Utility Department

SUBJECT: Authorize City Manager to Sign Agreement with Echologics LLC to provide a Hydrant Leak Monitoring System

MEETING DATE: May 6, 2025

AGENDA ITEM TYPE: Agreement - Vendor/Contract

RECOMMENDATION: Authorize the City Manager to sign the agreement.

STRATEGIC PLAN: 4.3 Strategic Infrastructure Choices: Prioritize long-term investment and maintenance for existing and new infrastructure.

BACKGROUND: Currently, the City relies on a combination of a leak detection survey program and inbound customer calls to identify distribution main leaks and/or bursts. The water system is surveyed approximately one time each year (spread out through the year). To reduce instances of water leaks going undetected for an extended period of time and conserve the City's water resources, unplanned customer outages from pipe breaks and damage to other infrastructure nearby to water pipes, the City is planning to deploy a leak monitoring system for distribution water mains. A request for proposal was sent out to this effect and Echologics LLC was selected as the successful candidate. Certain fire hydrant caps will be replaced with caps of the same style that contain leak detection instrumentation. This system will listen for leaks nightly and report the results. This agreement will allow a pilot scale demonstration of a hydrant leak monitoring system which includes 50 hydrant leak detection units. If successful, the plan is to expand this through time to cover the entire water system.

UNRESOLVED ISSUES: None

ALTERNATIVES: Continue our current strategy of leak detecting

FISCAL EFFECTS: Pilot will cost \$71,250 with the first year of maintenance and managed monitoring covered. Each year thereafter, it will cost no more than \$6,250 for the maintenance and service provided for these 50 units. This amount has been already budgeted as an operating expense.

Attachments:

[Hydrant_Leak_Monitoring_PSA_SaaS_Final.docx](#)

[Exhibit A Scope of Services.pdf](#)

[Exhibit B Cloud Services Questionnaire.pdf](#)

[Exhibit C Echologics Software as a Service Agreement.pdf](#)

Report compiled on: April 17, 2025