



The Purchasing Memo

Date: March 21, 2025

To: Governing Body, Finance Committee, and Public Works & Utilities Committee

From: Taylor Jurgens, Engineer, Water Division 

Via: Jesse Roach, Interim Public Utilities Department Director 

Jonathan Montoya, Acting Water Division Director 
Jonathan Montoya (Mar 21, 2025 09:54 MDT)

Subject: Predictive Water Main Failure and Pipeline Prioritization Software Budget Amendment Resolution

Vendor Name: Ferguson Waterworks

Munis Vendor Number: 3252

ITEM AND ISSUE:

Request for Approval of a Budget Amendment Resolution (BAR) in the amount of \$76,000 from the Water Enterprise Cash Fund to Water Engineering Software Over \$5,000 for Predictive Water Main Failure Software. (Taylor Jurgens, Engineer: trjurgens@santafenm.gov)

Action Requested: Approval of a BAR in the Total Amount of \$76,000.00 for Predictive Water Main Failure Software.

CONTRACT NUMBER:

The Munis contract number is 3250416.

BACKGROUND AND SUMMARY:

The City of Santa Fe Water Division has approximately 650 miles of water mains in their water distribution system. A key part of operating and maintaining the water distribution system includes regular rehabilitation or replacement of water mains that are at or near the end of their useful life. Identifying which mains are most in need of rehabilitation or replacement is challenging since the pipes are buried and large-scale condition assessments can be difficult and costly.

The Water Division intends to enter a contract with Ferguson Waterworks to obtain a software tool that will use artificial intelligence and machine learning to perform predictive water main failure modeling and pipeline prioritization for rehabilitation and replacement. The software uses the City's water main break history along with dozens of other factors to predict which mains are most at risk of future failure. These results can then be used to create a prioritized list of water mains for replacement, rehabilitation, or further investigation.

The procurement method for the contract is via Cooperative Procurement with Omnia Partners, NCPA Master Agreement No. 02-104. The contract will be routed separately to the City Manager for approval.

PRIOR APPROVALS AND SUPPORTING INFORMATION:

FUNDING SOURCE:

Fund Name/Number: 505

Munis Org Name/Number: 5050383

Munis Object Name/Number: 570850

Budget Officer / Designee: _____ **Date:** _____

Budget Officer Comment/Exceptions: _____

PROCUREMENT METHOD:

The procurement method used was NMSA 1978, Section 13-1-135, Coop

The procurement method for the contract is the Cooperative Procurement with Omnia Partners, NCPA Master Agreement No. 02-104.

Chief Procurement Officer (CPO) / Designee: _____ **Date:** _____

CPO Comment/Exceptions: _____

ASSOCIATED APPROVALS:

IT Components included? Yes | No

Approval: _____ **Title:** _____ **Date:** _____

Comment/Exceptions: _____

Vehicles included? Yes | No

Approval: _____ **Title:** _____ **Date:** _____

Comment/Exceptions: _____

Construction to City Facilities, Furniture, and/or Fixtures included? Yes | No

Approval: _____ **Title:** _____ **Date:** _____

Comment/Exceptions: _____

Is this an externally funded purchase? Yes | No

If yes, what is the issuing agency: _____

Approval: _____ **Title:** _____ **Date:** _____

Comment/Exceptions: _____

Is this a Capital Asset or Project? Yes | No

Project Ledger Number: _____

Approval: _____ **Title:** _____ **Date:** _____

Comment/Exceptions:

ATTACHMENTS:

Budget Amendment Resolution (BAR)

