

CONTRACT

210738

Ordinance Fact Sheet

A-E/Negotiated Form

Brief Title
 Authorizing a professional, specialized, or technical services contract for the Water Valve and Hydrant Assessments, Mapping, and Data Management Program.

Approval Deadline

Reason
 To authorize execution of a professional, specialized, or technical services contract; and to authorize four successive renewal options.

Details
Reason for Contract
 This program will provide asset management services for water valves and fire hydrants including locating, mapping, assessing, operating, testing, exercising, documenting, and creating work orders. The proposed ordinance will authorize this initial one-year contract plus four successive one-year renewal options without

Discussion
Project Justification
 The purpose of the Water Valve and Hydrant Assessments, Mapping, and Data Management Program is as follows:

- Evaluate, rehabilitate and improve the reliability and operability of valves in the water distribution system;
- Determine operational, physical and location information of valves in the water distribution system;
- Integrate the database deliverables into the City's Hansen and GIS systems;
- Analyze the results and provide consulting services to the City regarding an asset management program for water valves and fire hydrants;
- Evaluate and improve the operability of fire hydrants in the water distribution system;
- Document, integrate and analyze location, physical and operational information on the fire hydrants and hydrant lead isolation valves in the water distribution system; and.
- Provide water main shutdown, filling and flushing water mains and related services as requested by City.

The City owns and operates a 240 million gallon per day water treatment facility, over 25 storage and pumping stations, and approximately 2,806 miles of transmission and distribution water mains.
 The City's customer service area includes approximately 320 square miles within the City proper and several regional transmission main systems to wholesale customers outside its limits.

The north distribution system includes two service levels (north direct and north booster) and the south system has three service levels (south direct, south booster, and south super booster). Approximately 60 isolation valves, referred to as "boundary valves", are used in addition to check valves to maintain the separate service levels and reduced pressure zones. Valve types in the City's distribution system include in-line isolation valves (typically gate, butterfly, and ball valves).

Roles and Responsibilities

Sponsor	Water Services Department
Department or Programs Affected	Water Services Department
Recommended Awardee	Pure Technologies U.S. Inc. d/b/a Wachs Water Services
Contract Compliance Certification Obtained?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes
Opponents	Groups or Individuals None known Reason for Opposition
Responsibilities	Professional, Specialized, or Technical Services Pure Technologies U.S. Inc. d/b/a Wachs Water Services Inspections: n/a Construction or Project Management: n/a Service Monitoring: n/a

Policy/Program Impact

Policy or Program Emphasis Change	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Operational Impact Assessment	n/a

(Continued on reverse side)

Details

The number of in-line isolation valves in the City's distribution system total approximately 34,500. Percentage breakdown of existing isolation valves by nominal size is as follows:

- 6-inch and smaller: 56%
- 8-inch: 29%
- 10- and 12-inch: 12%
- 16-inch: 1%
- 20- and 24-inch: 1%
- Greater than 24-inch: 1%

Hydrants in the City's distribution system total approximately 25,200 and most are equipped with 6-inch lead isolation gate valves.

Project Description

This project will include the following activities for a specified number of City's distribution valves and fire hydrants:

- Locate, identify, assess, clean out, inspect, exercise or test, record GPS data, create work orders, provide databases for both the City's Hansen Work Order Management System and ESRI GIS Mapping Systems;
- Analyze results;
- Complete specific data queries requested by City;
- Provide consulting services to City regarding its asset management program for water valves and fire hydrants;
- Provide water main shutdown, filling and flushing water mains, and related services approved by the City; and
- Test shut valves and provide professional valve turning, hydrant operation, and related services to shutdown water mains and fill and flush mains in accordance with the City's standard procedures.

The contractor shall be available to assist the City 24 hours a day, seven days a week with a response time of 90 minutes from initial notification by City.

Unit prices for the work to be completed under this contract were set based on the proposals received. Therefore, Water Services proposes a not to exceed \$1,300,000.00 contract to complete work orders. This proposed ordinance will be for a contract will be for a term of one year with four one-year renewal options.

Proposed Contract:	\$1,300,000.00
Proposed Renewal No. 1:	\$1,300,000.00
Proposed Renewal No. 2:	\$1,300,000.00
Proposed Renewal No. 3:	\$1,300,000.00
<u>Proposed Renewal No. 3:</u>	<u>\$1,300,000.00</u>
Total:	\$6,500,000.00

This project is located in Cass, Clay, Jackson, and Platte Counties, Kansas City, Missouri.

Solicitation

Proposals for this project were solicited in accordance with the City's requirements. One proposal was received on June 7, 2021.

Vendor Selection

Pure Technologies U.S. Inc. d/b/a Wachs Water Services was selected for this project in accordance with Code of Ordinance Section 3-31(a).

