



**Recommendation for
Water & Wastewater Commission**

Commission Meeting Date:	January 11, 2017
Council Meeting Date:	February 2, 2017
Department:	Purchasing
SUBJECT	
<p>Authorize negotiation and execution of a 12-month contract with MUELLER WATER PRODUCTS, INC. DBA ECHOLOGICS LLC, to provide the EchoShore-M mobile transmission pipeline leak detection system, in an amount not to exceed \$75,360, with three 12-month extension options in an amount not to exceed \$75,490 for the first extension option, \$68,900 for the second extension option, and \$72,375 for the third extension option, for a total contract amount not to exceed \$292,125.</p>	
AMOUNT AND SOURCE OF FUNDING	
<p>Funding in the amount if \$50,240 is available in the Fiscal Year 2016-2017 Operating Budget of Austin Water. Funding for the remaining four months of the original contract period and extension options are contingent upon available funding in the future budgets.</p>	
Purchasing Language:	Sole Source
Prior Council Action:	N/A
For More Information:	Gil Zilkha, 512-974-2696; Mark Dollins, 512-972-1028
Boards and Commission Action:	January 11, 2017- To be reviewed by the Water and Wastewater Commission.
MBE/WBE:	This contract is exempt from the City Code Chapter 2-9C Minority Owned and Women Owned Business Enterprise Procurement Program; therefore, no subcontracting goals were established.

The contract is for a one-year lease with the option to purchase equipment and services for years two through four. Austin Water (AW) is only committed to the first year. If the technology proves successful, AW may exercise the extension options for services and equipment.

This procurement is for leak detection equipment for water transmission mains that range in size from greater than 16-inches to 120-inches. This equipment can be set up, collect data through the use of hydrophones and transmit the data to a database to be analyzed by experts within a matter of hours. It can then be relocated to another site and set up to collect another set of data for leak detection. This equipment is non-invasive and does not require inserting equipment into the pipe that would transverse along the pipe. No other vendor has the technology to provide leak detection for pipes ranging in size from 16-inch to 120-inch without having to insert a device into the pipe that flows with the pressurized water. This technology can be implemented with AW staff.

As a comparison, for approximately the last four years, AW has used another technology for leak detection which is invasive and requires the insertion of "Smart Ball" or "Sahara" leak detection equipment into the line. The technology must be inserted and retrieved by the vendor. This cannot be done with AW staff. Leak detection is essential to AW operations.

This contract consists of a four year roll-out. The year one pilot is to lease two nodes for 20 miles of leak detection. In year two, two additional nodes with 30 miles of leak detection will be purchased. The year three purchase will be for one additional node with 40 miles of leak detection, and year four will include 75 miles of leak detection.

MUELLER WATER PRODUCTS, INC. dba ECHOLOGICS LLC				
	# months	Contract Amount	Contract Amendment	Revised Amount
Original Term	12	\$75,360	n/a	n/a
Extension Option 1	12	\$75,490	n/a	n/a
Extension Option 2	12	\$68,900	n/a	n/a
Extension Option 3	12	\$72,375	n/a	n/a
TOTAL	48	\$292,125	\$ -	\$ -