

A G E N D A



Recommendation for Council Action (Purchasing)

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| Austin City Council | Item ID: | 7576 | Agenda Number | 62. |
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| Meeting Date: | July 28, 2011 |
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| Department: | Purchasing |
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Subject

Authorize award and execution of a 12-month requirements service contract with PURE TECHNOLOGIES US, INC., Columbia, MD for non-destructive leak detection and condition assessment related professional services for the Austin Water Utility in an estimated amount not to exceed \$1,000,000, with two 12-month extension options in an estimated amount not to exceed \$1,000,000 per extension option, for a total estimated contract amount not to exceed \$3,000,000. Pure Technologies US, Inc. is the sole source provider for these services.

Amount and Source of Funding

Funding in the amount of \$83,334 is available in the Fiscal Year 2010-2011 Operating Budget of the Austin Water Utility. Funding for the remaining eleven months of the original contract period and extension options is contingent upon available funding in future budgets.

Fiscal Note

There is no unanticipated fiscal impact. A fiscal note is not required.

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| Purchasing Language: | Sole Source. |
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| Prior Council Action: | |
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| For More Information: | Sydney Ceder, Sr. Buyer /974 2035 |
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| Boards and Commission Action: | Recommended by the Water and Wastewater Commission. |
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| MBE / WBE: | This contract will be awarded in compliance with Chapter 2-9C of the City Code (Minority-Owned and Women-Owned Business Enterprise Procurement Program). No subcontracting opportunities were identified; therefore, no goals were established for this solicitation. |
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| Related Items: | |
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Additional Backup Information

The services offered by Pure Technologies in this contract include four different technologies. Smartball® and Sahara® leak detection technologies allow for the identification and location of leaks in large diameter transmission mains. These leaks tend to be difficult to locate until they have reached the point of causing considerable damage. Locating these leaks will allow the Utility to avoid major main failures, as well as help reduce the volume of water lost to leaks. Smartball® and Sahara® are proprietary technologies. Other technologies that detect leaks on large diameter mains are not as effective.

P-Wave® and PipeDiver® technologies identify broken pre-stressing wires in the pipe wall. This information is used to predict the rate of deterioration of the pipe so that measures can be taken to prevent pipe failure. This data will be an important part of Austin Water Utility's asset management program. P-Wave® and PipeDiver® are proprietary technologies. They are the only technologies currently available to identify pre-stressing wire deterioration in concrete steel cylinder pipes.

1. Smartball® – This is an electronic ball that is released into a pipeline to “listen” for leaks. This technology allows for leak detection surveys covering long distances.
2. Sahara® - This is a tethered leak detection tool. This technology allows the Utility to pinpoint the location of leaks.
3. P-Wave® Electromagnetic Inspection – This technology utilizes equipment inserted into concrete steel cylinder (CSC) pipes that have been drained. This method also allows for the visual inspection of the inside of the pipeline.
4. PipeDiver® Electromagnetic Inspection – This technology utilizes equipment inserted into CSC mains that are under pressure, which allows the mains to be assessed while remaining in service.

Pure Technologies US, Inc. owns the patents to all four of these technologies.