

Memorandum



DATE January 29, 2010

TO Members of the Public Safety Committee

SUBJECT EPA Water Contamination Warning System Phase II Grant Acceptance and Implementation

In 2009 the Water Utilities Department received an Environmental Protection Agency (EPA) grant for the development of a pilot project for an early contamination warning system for drinking water distribution. The grant for \$9,500,000 is to be awarded in three Phases and Phase I was accepted by the City in February 2009. This action is to accept the EPA's Phase II funding. Phase III funding for this project is expected by fall 2010. The funding is provided for design, equipment and implementation of an early water contamination warning system.

As part of the grant requirements for this pilot project, the City awarded a professional services contract to CH2M Hill, Inc. Based on the EPA grant structure, the CH2M Hill, Inc. contract will be phased to accommodate funding. This action also awards the first of two anticipated Supplemental Agreements for this grant project as a continuation of ongoing work. The second Supplemental Agreement will be awarded upon subsequent receipt of funding.

This project includes the design and installation of online distribution system water quality monitoring stations with real-time data communications to central data monitoring locations, the development of emergency sampling and analysis protocols for water contamination events, the remote facility security review, the coordination with the Dallas County Department of Health and Human Services data system, and the development of an event detection system and consequence management plans. This project builds upon the solid systems already in place in Dallas and consolidates water quality, public health and consumer information data streams into a common base. The combined database of information will provide a real-time, advanced early warning system for intentional or accidental water contamination incidents that will provide a standard for other water purveyors to meet in the future. The system becomes the property of the City of Dallas upon pilot completion.

We solicit your support for this important project that includes multiple benefits for the monitoring, security, operation and maintenance of our water distribution system.

This item is scheduled for formal Council action on February 10, 2010.



Ryan S Evans,
First Assistant City Manager

c: Mary K. Suhm, City Manager
Thomas P. Perkins, City Attorney
Deborah A. Watkins, City Secretary
Craig Kinton, City Auditor
David K. Cook, Chief Financial Officer
Judge C. Victor Lander, Judiciary
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Jill A. Jordan, P.E., Assistant City Manager
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Jo M. (Jody) Puckett, P.E., Director, Water Utilities