

Memorandum



CITY OF DALLAS

DATE February 13, 2009

TO Members of the Public Safety Committee

SUBJECT Water Security Initiative Contamination Warning System Demonstration Pilot Grant

Attached is briefing material on the "Water Security Initiative Contamination Warning system Demonstration Pilot Grant" to be presented to the Members of the Public Safety Committee on Tuesday, February 17, 2009.

Please let me know if you have any questions or need additional information.

A handwritten signature in black ink, appearing to read 'Ramon F. Miguez'.

Ramon F. Miguez, P.E.
Assistant City Manager

Attachment

c: Mary K. Suhm, City Manager
David K. Cook, Chief Financial Officer
Ryan S. Evans, First Assistant City Manager
Forest Turner, Interim Assistant City Manager
Jill Jordan, Assistant City Manager
A.C. Gonzalez, Assistant City Manager
Deborah Watkins, City Secretary
Thomas Perkins, City Attorney
Craig D. Kinton, City Auditor
Judge C. Victor Lander, Administrative Judge
Helena Stevens-Thompson, Assistant to the City Manager – Council Office
Jó M. (Jody) Puckett, P.E., Director, Dallas Water Utilities

EPA Water Contamination Warning System Grant

Dallas City Council
Public Safety Committee
February 17, 2009



Purpose of Briefing

- Explain the benefits of the water Contamination Warning System (**CWS**) grant
- Seek support from Public Safety Committee for acceptance of the CWS grant

Homeland Security Presidential Directive 9*

- Required EPA to:
 - ✓ Develop Water Security Initiative
 - ✓ Focus on comprehensive surveillance and monitoring of water systems
 - ✓ Increase detection and awareness of disease, pest or poisonous agent
- Led to establishment of the **CWS Grant**

* Additional information is in the Appendix

CWS Grant Details

- Used for development of pilot programs
- Establish protocols to address accidental or intentional contamination of water systems
- Available funds - \$39M
 - ✓ Divided among 4 awards
 - ✓ 3-year projects
 - ✓ Requires **20% cost share** by municipality

CWS Grant Application Results

1. New York (April 2008)	\$12.0M
2. San Francisco (May 2008)	\$ 8.0M
3. Dallas (November 2008)	\$ 9.5M*
4. Philadelphia (November 2008)	<u>\$ 9.5M</u>
	\$39.0M

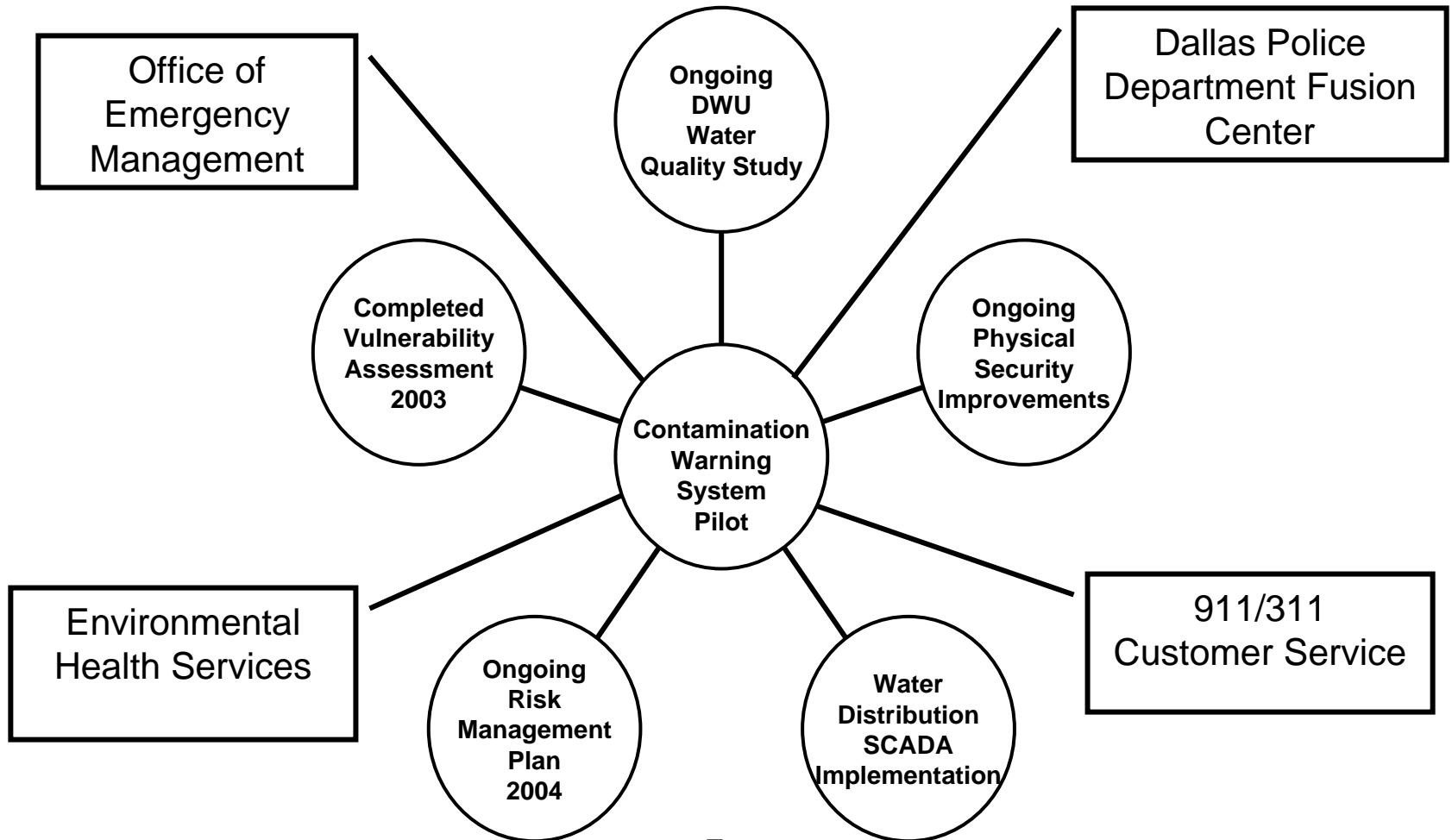
*Initially funded at \$2M. Remaining \$7.5M still subject to Congressional appropriation.

CWS Grant Cost Sharing

- Requires City to invest \$2.4M* as part of cost sharing requirement
- DWU identified qualifying projects worth \$5.8M
- **No additional cost to the City** by accepting the CWS grant

*20% of \$9.5M grant fund

Enhancements from CWS Grant



Next Steps

- Recommend that the Public Safety Committee support the acceptance of the CWS grant
 - February 25, 2009 Agenda
- Proceed with selection of consultant to assist in grant implementation
 - Anticipated award in June 2009

Questions

Appendix

Homeland Security Presidential Directive 9

- The EPA must “*develop robust, comprehensive, and fully coordinated surveillance and monitoring systems, including international information, forwater quality that provides early detection and awareness of disease, pest, or poisonous agents.*” Under Section 1434 of the Safe Drinking Water Act (SDWA), 42 U.S.C., 300i-3, EPA has authority to enter into cooperative agreements to review “*current and future methods to prevent, detect and respond to the intentional introduction of chemical, biological or radiological contaminants into community water systems...*”.

Required Components of CWS Grant

- Water Quality Monitoring*
- Sampling & Analysis*
- Enhanced Security Monitoring*
- Consumer Complaint Surveillance
- Public Health Surveillance
- Supporting Communications & Data Management Architecture*
- Consequence Management Plan

* Included in DWU current and planned work

Proposed Schedule

\$2M Funding

(Approx. 9 months)

- Pilot test WQ equipment
- Enhance system model
- Install some security upgrades
- Develop IT Architecture
- 1st year Training
- Develop high-level review & evaluation plan

Full Funding

(3 years)

- Years 1 & 2 – System Development
- Year 3 – Full system operational pilot

DWU Application Schedule

- September 2007 – Submitted Application
- Refined / revised application at EPA's direction
- February 2008 – Notified DWU was selected for award of \$9.5M
 - \$2M Funded
 - \$7.5 subject to Congressional appropriation
- November 2008 – Formal notification of award

Dallas' Grant Application Partners

- Collaboration within the City of Dallas
 - Environmental Health Services
 - Dallas Police Department
 - Fusion Center (DPD)
 - Dallas Fire Rescue
 - Office of Emergency Management
 - **Inter-Governmental Services**
 - 311 / Customer Service
- External Collaboration
 - Customer Cities
 - NCTCOG
 - Southern Methodist University
 - Dallas County Department of Health and Human Services
 - Dallas County Medical Community
 - Collin County Homeland Security
 - North Texas Municipal Water District
 - City of Arlington
 - City of Fort Worth