

City of Providence
STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

RESOLUTION OF THE CITY COUNCIL

No. 99

EFFECTIVE March 3, 2014

RESOLVED, That the Members of the Providence City Council
hereby Authorize Approval of the following Sole Source Contract Award by the
Board of Contract and Supply, in accordance with Section 21-26 of the Code of
Ordinances.


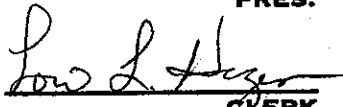
Pure Technologies
(Water Supply Board)

\$110,000.00 per year

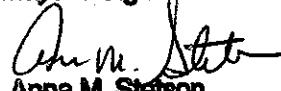
IN CITY COUNCIL

FEB 20 2014

READ AND PASSED


PRES.

ACTING CLERK

Effective without the
Mayor's Signature


Anna M. Stetson
City Clerk

MATTHEW M. CLARKIN, JR.
INTERNAL AUDITOR
25 DORRANCE STREET, ROOM #307
PROVIDENCE, RI 02903
Phone: (401) 421-7740 EXT. 577
Fax: (401) 351-1058
mclarkin@providenceri.com



City of Providence, Rhode Island
Office of the Internal Auditor

December 30, 2013

Ms. Anna Stetson
City Clerk
City of Providence
25 Dorrance Street
Providence, RI 02903

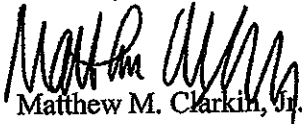
Dear Madame Clerk:

In accordance with Section 21-26 of the City's Code of Ordinances, I am writing to request that the following requested contract awards be submitted to the City Council and the Ways & Means Committee for approval.

- *Water Supply Board* – Award of Architectural – Engineering Services (Blank 2013-2016) in an amount of \$10 million over a three year period.
- *Water Supply Board* – Renewal of an existing cooperative program with the United States Geological Survey – a sole source – to monitor water quality within the Scituate Reservoir Watershed in an amount not to exceed \$300,000 per year.
- *Water Supply Board* – Sole source award to Pure Technologies to provide real time monitoring services on a continuous 24 hour per day basis of a fiber optic data acquisition system and acoustic monitoring sensor line in amount not to exceed \$110,000 per year.
- *Water Supply Board* – Sole source blanket award with Hach Company to engage in preventative maintenance services in a an amount not to exceed \$20,000.

If you have any questions or concerns regarding any of these items, please contact me. Thank you for your consideration with this matter.

Sincerely,


Matthew M. Clarkin, Jr.
Internal Auditor

Cc: Lori Hagen, Deputy City Clerk Second
Alan Sepe, Director of Operations
Francisco Ramirez, Director of Purchasing
Joseph Spremulli – Deputy General Manager - Providence Water



552 Academy Avenue
Providence, RI 02908

401-521-6300

www.provwater.com

December 17, 2013

The Honorable Mayor Angel Taveras
Chairman, Board of Contract and Supply
City Hall
Providence, Rhode Island 02903

RE: Inspection of 102-inch Supplemental Aqueduct
Fiber Optic Monitoring System

Dear Mayor Taveras:

In 2006 Providence Water engaged the services of Pure Technologies to install and commission a new fiber optic data acquisition system and acoustic monitoring sensor line in the 5 miles of its 102-inch supply aqueduct. It is requested that the Board of Contract and Supply authorize Providence Water (PW) to engage the services of Pure Technologies, as a sole source vendor, in an amount not to exceed \$110,000 per year for providing real-time monitoring services on a continuous 24 hour per day basis to acoustically detect and analyze reinforcing wire breaks as they occur. Pure Technologies has a patent on this advanced technology for providing real-time monitoring of the integrity of the aqueduct pipelines and is the sole vendor available for providing this service.

PW does plan on dewatering this aqueduct every five years to perform future internal inspections. However, the fiber optic sensor line will continually monitor the sounds being transmitted through the aqueduct to detect the acoustic events associated with the failure and break of prestressed wires, reducing the need for dewatering and performing internal inspections of the aqueduct on a more frequent basis of every two to three year intervals. This real time data, in combination with the baseline data obtained from the previous electromagnetic testing, will provide PW with an accurate understanding of the condition and rate of deterioration of the pipeline. It will provide PW with the frequency and location of prestressed wire breaks as well as the rate of wire failure for each pipe section in the aqueduct. This information is essential in the proper long term management of the aqueduct to prevent the repeat of events similar to the catastrophic failure of the aqueduct that occurred in 1996 and to help PW effectively budget and schedule any necessary repairs to the aqueduct and avoid unnecessary repairs.

Providence Water considers this a superior and more cost-effective way of monitoring and safeguarding the aqueduct against future failures and it is in the best interest of Providence Water and the City to have Pure Technologies provide continuous 24 hour per day real-time monitoring of the 102-inch aqueduct on an ongoing annual monitoring service cost not to exceed \$110,000 per year.

The Hon. Angel Taveras
Mayor

Boyce Spinelli
General Manager

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New England Water Works Assn.
American Water Works Assn.
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An EPA WaterSense Partner

Only Tap Water Delivers

Funds for this project are available from Providence Water's restricted Infrastructure Replacement (IFR) fund with account code 848-848-53500. Minority participation: 0%.

Respectfully,
PROVIDENCE WATER SUPPLY BOARD



Boyce Spinelli
General Manager