

RESOLUTION OF THE CITY COUNCIL

No. 356

Approved June 22, 2018

RESOLVED, That the Members of the Providence City Council
hereby Authorize Approval of the following 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)


\$577, 242.00 for a five year term

IN CITY COUNCIL

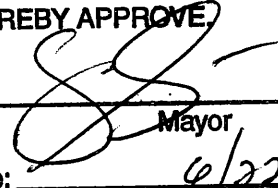
JUN 21 2018

READ AND PASSED

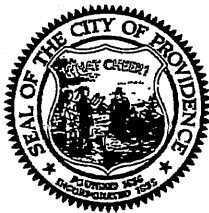

PRES.


CLERK

I HEREBY APPROVE


Mayor

Date: 6/22/18



Office of the Internal Auditor

May 23, 2018

Ms. Lori Hagen
City Clerk's Office
City of Providence
25 Dorrance Street
Providence, RI 02903

Dear Lori:

I am writing to request that the following requested contract award be submitted to the City Council and the Finance Committee for approval:

▪ **Human Resource:**

- Request to extend the administrative service only (ASO) contract with the **Blue Cross Blue Shield of Rhode Island (BCBSRI)** for a term of three years in an amount of **\$10,400,000** in accordance with Code of Ordinance Section 21-26.
- Request to extend the current pharmacy benefit management (PBM) contract with **CVS Caremark** for a term of three years for an amount of **\$19,900,000.00** in accordance with the Code of Ordinance Section 21-26.
- Request a one year extension with **Delta Dental of RI** for one additional year for an amount of **\$5,700,000.00** in accordance with the Code of Ordinance, Section 21-26.
- Request to extend the stop loss contract with **Blue Cross and Blue Shield of Rhode Island (BCBSRI)** for one year in an amount of **\$882,000.00** in accordance with the Code of Ordinance, Section 21-26.

▪ **Water Supply Board:**

- Request to engage services with Pure Technologies in an amount to exceed \$577,242 for a five year term in accordance with the Code of Ordinances, Section 21-26.

Sincerely,

A handwritten signature in black ink, appearing to read "Gina M. Costa".

Gina M. Costa
Internal Auditor

Cc: Margaret Wingate, Deputy Director of Human Resources & Benefits
Ricky Caruolo, General Manager, Water Supply Board
Al Buco, Acting Director of Public Property
Sabrina Solares-Hand, Associate Director of Purchasing
James Lombardi, Senior Adviser to the City Council
CITY HALL • 25 DORRANCE STREET, ROOM 310 • PROVIDENCE, RHODE ISLAND 02903
Phone: (401) 521-7477 • Fax: (401) 521-3920
COUNCIL@PROVIDENCERI.COM



May 16, 2018

The Honorable Mayor Jorge Elorza
Chairman, Board of Contract and Supply
City Hall
Providence, RI 02903

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

Dear Mayor Elorza:

We are requesting that the Mayor approve, and the Board of Contract and Supply authorize, Providence Water (PW) to continue to engage services with Pure Technologies in an amount not to exceed \$577,242 for a five year term. This request is for both the infrastructure warranty and the monitoring services to acoustically detect and analyze events of the 102" aqueduct pipeline as they occur.

In 2006, PW engaged the services of Pure Technologies to install and commission a new fiber optic data acquisition system and acoustic monitoring sensor line in the five miles of its 102" aqueduct pipeline. Pure Technologies has a patent on this advanced technology for providing real-time monitoring services on a continuous 24 hour basis to acoustically detect and analyze wire breaks as they occur.

On December 30, 2013, the Board of Contract and Supply authorized approval to continue to engage the services of Pure Technologies, sole source vendor, to provide real-time monitoring services of the fiber optic data acquisition system, in an amount not to exceed \$110,000 per year.


PW does plan on dewatering this aqueduct every five years to perform 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 pre-stressed wires, reducing the need for dewatering and performing internal inspections of the aqueduct on the 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 pre-stressed 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.

PW considers this a superior and cost-effective way of monitoring and safeguarding the aqueduct against future failures. The initial cost to install the system was \$533,754.00 in 2006. In today's dollars, the estimated cost is \$1,000,000 to replace this system. The current infrastructure is proprietary to Pure Technologies and can only be monitored and serviced by them. Pure Technologies has guaranteed the price of \$577,242 for a five years term, therefore we recommend that the Board of Contract and Supply authorize Pure Technologies for these services.

Funds are available in account 848-848-53500

MBE/WBE Participation is 0%

Respectfully Submitted,
PROVIDENCE WATER


Ricky Caruolo
General Manager

The Hon. Jorge O. Elorza
Mayor

Ricky Caruolo
General Manager

BOARD OF DIRECTORS

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Legal Advisor

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New England Water Works Assn.
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Water Research Foundation

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(401) 521-6300

125 Dupont Drive
Providence, RI 02907

www.provwater.com

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City of Providence



Rhode Island

Department of City Clerk

MEMORANDUM

DATE: December 30, 2013

TO: Acting Purchasing Director

SUBJECT: **APPROVAL TO ENGAGE THE SERVICES OF PURE
TECHNOLOGIES TO PROVIDE REAL-TIME MONITORING
SERVICES – WATER SUPPLY BOARD**

CONSIDERED BY: Board of Contract and Supply

VOTED: that the Acting Purchasing Director hereby authorizes approval to engage the services of Pure Technologies, sole source vendor, 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 a total amount not to exceed One Hundred Ten Thousand (\$110,000.00) Dollars per year, all in accordance with the request of Boyce Spinelli, General Manager, in communication dated December 17, 2013.

cc: Pur.Dir.
Contr.
WSB
File

City Clerk



PURE TECHNOLOGIES LTD.

SOUNDPRINT® AFO MONITORING CONTRACT

Vendor: Pure Technologies U.S. Inc, 8920 State Route 108, Suite D, Columbia, MD, 21045 ("Pure")

Purchaser: Providence Water Supply Board, 125 Dupont Drive, Providence RI, 02907 ("Customer")

The Customer agrees to purchase and Pure agrees to sell the services specified below ("Services") in relation to the operation of the Acoustic Fiber Optic monitoring system ("AFO System") installed at the location specified below ("Site;") for the fee stipulated below ("Service Fee") and in accordance with Schedule "A" AFO Standard Terms and Conditions excluding Article IV contained therein.

SITE

Providence Water Supply Board (PWSB) 102" Transmission Main Pipeline.

SERVICES

Under the terms of this agreement Pure shall provide the Customer with the following:

1. Continuous 24-hour monitoring of acoustic events of the Customers pipeline at the specified Site. The AFO System will be operational for a period of not less than 95% aggregate time on an annual basis, excluding power outages or other events outside Pure's control. The percentage of the time the system is operational is the successful percentage of the simulated verifications that are played by the system once per hour every day.
2. Remote operation of the AFO System to enable continuous recording of acoustic events. This includes, hourly simulated verifications, daily remote site checks, and an annual site visit.
3. Continuous downloading of data from the on-site SoundPrint® Data Acquisition system (DAQ) to Pure's central server and event classification by Pure's data processing department, provided that there is continuous regular operation of internet communication with the site.
4. Detect and locate wire breaks within plus or minus three (3) feet provided Pure's standard field location protocols are followed, a copy of which is available upon request. The Customer acknowledges that the AFO system is designed to detect certain energy transmissions through Prestressed Concrete Cylinder Pipe (PCCP) and that most wire breaks generate at least enough energy to be recorded by the AFO monitoring system. In the rare case that a wire break does not exhibit properties below 10 kHz; the wire breaks may not be detected or located.
5. E-mail notification to designated Customer representatives of wire breaks within one (1) business day of event occurring. This assumes continuous regular operation of the internet to allow data to be transferred from the AFO System for analysis.
6. Notification to the Customer within one business day of the location and extent of the activity of Any abnormal activity detected with the monitoring system.
7. Daily updating of wire break events on password protected Client Access section of the SoundPrint® Pipeline Management website. Pure will provide the Customer 24/7 online access to the following historical information: time date, location, pipe number, and stationing of all wire break events, conditional upon continuous regular internet operation. User generated reports in .pdf format summarizing the time and location of wire breaks detected by the SoundPrint® AFO system will be available on demand to Customer's authorized users.
8. Remote support for onsite activities during the identification and repair of one (1) contiguous pipe section per year, including the necessary remapping. Onsite support and remote support for additional identifications and repairs are not included and shall be negotiated on case by case basis as required.
9. Provision and installation of software upgrades useable with the installed AFO System, as they become available. No equipment upgrades are included in this contract.

10. Offsite storage of backup data at it secure third-party data storage facility.

For certainty, the Services do not include repair or replacement of any AFO System components. An optional Limited Extended Warranty Agreement for the monitoring equipment is available, if signed before the expiry of the original warranty for such equipment.

CUSTOMER OBLIGATIONS

The Customer is to provide on-site liaison personnel who will have access to the DAQ and can provide information and feedback to Pure's call center personnel.

SERVICE FEES

The service fee for the duration of this agreement is based on a unit rate of (\$2.40/ft/year with 3% escalation each year for a total of 5 years).

PERIOD	LENGTH	PRICE
July 1, 2018-June 30, 2019	27231 ft	\$75,764
July 1, 2019-June 30, 2020		\$78,037
July 1, 2020-June 30, 2021		\$80,378
July 1, 2021-June 30, 2022		\$82,790
July 1, 2022-June 30, 2023		\$85,273

Payable quarterly in advance.

The term of this agreement shall end June 30, 2023 after which the agreement can be renegotiated by mutual consent of both parties.

IN WITNESS WHEREOF, the duly authorized representatives of the parties have executed this agreement on, the date first written below.

Executed this ____ day of _____, 2018.

PURE TECHNOLOGIES LTD.

Per:

Name: Michael S. Higgins, P.E.

Title: Sr. Vice President

PROVIDENCE WATER SUPPLY BOARD

Per:

Name:

Title:

LIMITED EXTENDED WARRANTY AGREEMENT

In consideration of the understandings of the parties hereto, and intending to be legally bound hereby, the parties hereto agree as follows:

LIMITED EXTENDED WARRANTY

Pure hereby agrees to provide the Customer with a limited extended warranty hereinafter called the "Extended Warranty", for the AFO System described in the SoundPrint® AFO Technical Support Contract. The terms and conditions referenced in Schedule "A" shall apply to the Extended Warranty Agreement, except that the period in Article IV shall be extended from what is specified therein to June 30, 2018 after which the agreement can be renegotiated by mutual consent of both parties.

Payments

The Customer hereby agrees to pay Pure the sum of \$ 35,000 annually for the purchase of this Limited Extended Warranty Agreement.

Executed this ____ day of _____, 2018.

IN WITNESS WHEREOF, the duly authorized representatives of the parties agree to the extended warranty as presented in the Extended Warranty Agreement.

PURE TECHNOLOGIES LTD.

Per: 

Name: Michael S. Higgins, P.E.

Title: Senior Vice President

PROVIDENCE WATER SUPPLY BOARD

Per:

Name:

Title: