



CITY OF POMONA COUNCIL REPORT

April 6, 2020

To: Honorable Mayor and Members of the City Council

From: James Makshanoff, City Manager

Submitted by: Robert DeLoach, Interim Water Resources Director

SUBJECT: APPROVE SOLE SOURCE PURCHASE AGREEMENT WITH APPLIED SPECTROMETRY ASSOCIATES, INC. FOR PURCHASE AND REPLACEMENT OF TWO CHEMSCAN ANALYZERS AT WATER TREATMENT PLANTS IN THE AMOUNT NOT-TO-EXCEED \$134,880.

RECOMMENDATION:

It is recommended that the City Council take the following actions:

- 1) Approve a Sole Source purchase agreement with Applied Spectrometry Associates (ASA), Inc. for the purchase and installation of two ChemScan Process Analyzers, not-to-exceed \$134,880; and
- 2) Authorize the City Manager, or designee, to execute any agreements necessary to complete the purchase.

EXECUTIVE SUMMARY:

Staff is seeking approval to replace two failing ChemScan Process Analyzers at the Water Treatment Plant Facilities. ASA, Inc. is a Sole Source provider and is the only manufacturer of the required units for purchasing. The replacements will also ensure continued online instrumentation monitoring at the Air Stripping Facility (ASF) Treatment Plant Facility required for reliability of Water System Operations. With the recommended replacements, the Water Resources Department (WRD) will effectively mitigate the foreseeable risk of being out of compliance with the Federal and State Drinking Water regulations.

FISCAL IMPACT:

The total fiscal impact for the proposed recommended action is \$134,880. A Capital Purchase Request for \$45,000 was approved and adopted as part of the WRD FY 19/20 Operating budget to replace one ChemScan unit. The additional \$89,880 has been transferred from water contingency funds to complete the purchase. Funding is available within the FY 19/20 Water Operating Budget (571-8129-66180-00000). The total cost includes the equipment and on-site installation.

DISCUSSION:

The WRD currently has three ChemScan Analyzers in service. This particular analyzer has proven to be dependable with minimal maintenance required, which has prevented after hour call outs. Maintaining and managing equipment standards is fundamental to operational efficacy and sound fiscal stewardship. ChemScan is the analyzer used as standard equipment in the City's Water Treatment Plant Facilities. Not contracting with ASA, Inc. as the supplier would cause the City to purchase an instrument that may not be reliable or compatible with the system. System reliability is vital to operations.

The ChemScan Analyzer units monitor for State compliance constituents for operational reliability. Specifically, these ChemScan units are process analyzers that monitor the Nitrate, Monochloramine, Total Chlorine, Free Ammonia and Total Ammonia values in the water before it is released into the system from Reservoirs 5A, 5B, and 5C. This monitoring is an important part of maintaining Federal and State compliance for the City's water system required for safe, reliable, and clean water service delivery to residents. Failure to properly maintain and operate the processing units can result in a Tier 1 violation of the City's Water Permit. Replacing the units will mitigate the monitoring and compliance risk and ensure reliability of the online instrumentation before complete system failure and water quality violations occur. The purchase will also ensure Water services provided to the public are cost effective and support continuity of operational compliance.

If the City is out of compliance, imported water will need to be purchased at a much higher cost to ratepayers. There would also be additional cost in training how to operate any different or non-standard analyzer, along with the City having to stock spare parts of various analyzers. The compounding effect of not keeping standardized equipment at the Water Treatment Facilities is estimated to be in the tens of thousands of dollars per year.

The cost for the ChemScan® Model UV-6101 as configuration in Attachment 1 is \$64,280, plus sales tax. Through the course of the FY 19-20, staff found that there was a second ChemScan unit needing replacement. Cost for the second ChemScan® Model UV-6101 unit as configuration in Attachment 1 is \$58,060, plus sales tax. Pricing of the standardized analyzers is determined to be fair and reasonable. The reason that this acquisition is restricted to ASA, Inc., as the Sole Source supplier is because ASA, Inc. is the exclusive manufacturer and dealer of the ChemScan Process Analyzer System. The ChemScan system is patented and proprietary optical subassemblies, circuit board and software, of which ASA, Inc. is the only authorized sole source supplier (Attachment 1).

Pomona Code section 2-994. - Sole and Single Source Procurement, states that, a contract may be awarded as a sole or single source without competition upon review and verification, and determined to be in the City's best interest. As this purchase request exceeds the \$100,000 threshold, it shall be reviewed by the Procurement Officer, Finance Director, and the City Manager and approved by the City Council. Water Operations has purchased this type of analyzer from ASA, Inc. in the past and pricing has not significantly changed over the years. Installation of the ChemScan units will be performed by ASA, Inc. onsite at the Water Treatment Facility.

Overall, the City's Water Permit demands reliability of the Water System. This reliability requires the WRD to monitor, maintain, and operate system assets responsibly. The existing two ChemScan units to be replaced have far exceeded the manufactures operational life span which has caused intermittent hardware malfunctioning and system failure. Repair is no longer cost effective or feasible due to the increasing age of the units, which is over 14 years.

Sole Source purchase from Applied Spectrometry Associates, Inc. for two ChemScan Analyzers
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COUNCIL PRIORITIES & GOALS:

This item supports the 2019-2020 City Council Priority 1: Fiscal and Operational Responsibility –
Goal B: Improve efficiency and effectiveness of City services to businesses and residents.

Prepared by:

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ATTACHMENT(S):

Attachment No. 1 –Applied Spectrometry Sole Source Memo