



Recommendation for Action

File #: 21-2332, **Agenda Item #:** 95.

7/29/2021

Posting Language:

Authorize negotiation and execution of a contract with Yokogawa Fluid Imaging Technologies, Inc., to provide a digital imaging particle analyzer, in an amount not to exceed \$150,000.

(Note: Sole source contracts are exempt from the City Code Chapter 2-9D Minority Owned and Women Owned Business Enterprise Procurement Program; therefore, no subcontracting goals were established).

Lead Department:

Purchasing Office.

Client Department(s):

Austin Water.

Fiscal Note:

Funding is available in the Fiscal Year 2020-2021 Operating Budget of Austin Water.

Purchasing Language:

Sole Source.

For More Information:

Inquiries should be directed to the City Manager's Agenda Office, at 512-974-2991 or AgendaOffice@austintexas.gov <<mailto:AgendaOffice@austintexas.gov>> or to Ajani Aird, at 512-974-2965 or Ajani.Aird@austintexas.gov <<mailto:Ajani.Aird@austintexas.gov>>.

Council Committee, Boards and Commission Action:

July 14, 2021 - Recommended by the Water and Wastewater Commission on an 8-0 vote with Commissioner Williams absent and two vacancies.

Additional Backup Information:

The contract will provide the City with a digital imaging particle analyzer, specifically, the FlowCam Cyano, for the purpose of monitoring raw source waters to identify and enumerate cyanobacteria and nuisance phytoplankton. This will increase testing, better monitor blue/green algae for cyanotoxins and odor issues.

The laboratory currently monitors three source water samples on a weekly basis. This examination is being performed manually and takes approximately four hours to complete. In depth training is necessary to perform this analysis and takes a minimum of six months with continued training for months to follow. The FlowCam Cyano analysis takes approximately 15 minutes allowing the lab to increase testing frequency. Automating the

examination also reduces the amount of time required to train new analysts as the instrument images the particles rather than the naked eye. This will also ensure consistency between analysts and accuracy of results.

The FlowCam Cyano is a unique digital imaging particle analyzer having technology protected by U.S. patents that embodies the use of novel imaging techniques, fluorescence detection/measurement, and proprietary interactive Visual Spreadsheet image recognition software. The FlowCam Cyano can only be sourced through Yokogawa Fluid Imaging Technologies and their representatives.

Strategic Outcome(s):

Health and Environment; Safety.