

CITY OF BUCKEYE
Regular Council Meeting
COUNCIL ACTION REPORT

MEETING DATE: 07/01/25	AGENDA ITEM: 4.AJ. WR -Change Order No. 2 to Purifics Contract for Materials and Services
DATE PREPARED: 07/01/25	DISTRICT NO.: 4
STAFF LIAISON: Terry Lowe, Director, tlowe@buckeyeaz.gov, (623) 349-6121	
DEPARTMENT: Water Resources	AGENDA ITEM TYPE: Consent Agenda Items / New Business

ACTION/MOTION: (This language identifies the formal motion to be made by the Council)
 Council to take action on Change Order No. 2 to the Contract for Material and Services (No. 2025187) between the City of Buckeye, an Arizona municipal corporation, and Purifics Water Inc., a Canadian corporation; and authorize the City Manager to execute and deliver said Change Order on behalf of the City of Buckeye.

SUMMARY

PROJECT DESCRIPTION:

In September of 2024, the city council approved the purchase of a 1-million-gallon (MG) Continuous Ultra-Filtration (CUF) system to treat both arsenic and fluoride removal at the Tartesso Water Campus. The use of the Purifics system has the benefit of lower initial cost of a treatment system for both arsenic and fluoride and can accommodate a significantly smaller footprint at a location with already limited space. To complete the arsenic and fluoride treatment for the wells currently serving the Tartesso area, an additional 1 MG CUF system is required. Approval of Change Order (CO) No. 2 would allow the purchase and installation of this additional 1 MG CUF system at the Tartesso Water Campus. The contract will increase by \$1,125,000 to a NTE of \$4,588,900.26.

Background:

Purifics Water, Inc. is the developer of a ceramic membrane system called "CUF" (Continuous Ultra-Filtration), which is capable of successfully treating groundwater for both arsenic and fluoride. The City of Buckeye worked with Brown and Caldwell, Maricopa County, and Purifics to complete a pilot study of the CUFs efficacy at the Tartesso Water Campus from February 2024 to May 2024. The testing period has proven the system capable of treating Buckeye groundwater and reducing arsenic and fluoride levels to well within the safe drinking range.

BENEFITS:

Efficient and effective treatment of Buckeye groundwater at the Tartesso Water Campus.

FUTURE ACTION:

None.

FINANCIAL IMPACT STATEMENT:

Funding for this project is budgeted in FY26 Capital Improvement Program CIP No. 106100 Tartesso Arsenic and Fluoride Treatment.

CURRENT FISCAL YEAR TOTAL COST:

\$1,125,000

BUDGETED:

Yes

FISCAL YEAR:

FY26

FUND/DEPARTMENT:

40001233-543153

Items related to a project or facility location must include an attached vicinity map for Council Review.

ATTACHMENTS:

[A_Site Map-TartessoWTP.pdf](#)

[Contract No. 2025187 CO #2- Purifacs.pdf](#)