



Recommendation for Action

File #: 22-1391, Agenda Item #: 19.

3/24/2022

Posting Language

Authorize negotiation and execution of an amendment to the professional services agreement with CDM Smith, Inc., for engineering services for the Ullrich Water Treatment Plant Conversion in the amount of \$4,051,654.63, for a total contract amount not to exceed \$6,112,654.63.

[Note: This amendment will be awarded in compliance with City Code 2-9B (Minority Owned and Women Owned Business Enterprise Procurement Program). Current participation to date is 17.82% MBE and 19.58% WBE.]

Lead Department

Financial Services Department

Managing Department

Public Works Department.

Fiscal Note

Funding is available in the Fiscal Year 2021-2022 Capital Budget of Austin Water.

Purchasing Language:

Original contract was awarded through a qualifications-based selection process.

Prior Council Action:

January 23, 2020 - Council approved a professional services agreement with CDM Smith, Inc. for the Ullrich Water Treatment Plant Conversion (OSGSH) project.

For More Information:

Inquiries should be directed to Rolando Fernandez, 512-974-7749, Rick Wilson, 512-974-7261, or the Project Manager, Gabriel Castano PE, PMP, 512-974-2937.

Council Committee, Boards and Commission Action:

March 9, 2022 - Recommended by the Water and Wastewater Commission on a 9-0 vote with Commissioner Turrieta off the dais and one vacancy.

January 8, 2020 - Recommended by the Water and Wastewater Commission on a 7-0-1-3 vote with Commissioner Penn recusing, Commissioner Parton off the dais and Commissioners Schmitt and Lee absent.

Additional Backup Information:

The City operates three major water treatment plants (WTPs): Ullrich WTP, Davis WTP, and Handcox WTP. The Ullrich WTP has a firm treatment capacity of 167 million gallons per day and utilizes chloramine for disinfection. The chloramine process requires the combined use of a chlorine system and an ammonia system.

Although the City has successfully and safely used chlorine throughout its various treatment facilities for more

than 80 years, the City desires to incorporate inherently safer technologies when available and where feasible. The City completed a Preliminary Engineering report to evaluate the options available to improve the Ullrich WTP disinfection system.

CDM Smith Inc. was selected to develop the recommended option in the Preliminary Engineering report to convert the existing chlorine system to an onsite generation of sodium hypochlorite (OSGSH) process and to also convert the existing ammonia system to liquid ammonia sulfate (LAS). The recommended option will maximize repurposing and reuse of existing facilities, structures, and processes, where practical.

An amendment to the professional services agreement is required to move the project forward into the design phase. The amendment includes design phase services (project management, permitting and environmental compliance, engineering design) and bid phase services. Staff will return to council for additional authorization for construction phase services.

It is important for this project to move forward because of safety. If the project is not approved, the plant's ability to incorporate inherently safer technologies when available and where feasible may be impacted.

No public impacts are anticipated. All improvements will be within the Ulrich WTP site.

This amendment has been approved by the City's Change Control Committee. The Change Control Committee was established to comply with Council Resolution No. 20120126-048, which required the establishment of consistent criteria and process to evaluate contractual changes for all contracts administered by the Financial Services Department. The Change Control Committee is comprised of management-level subject matter experts.

CDM Smith, Inc. is located in Austin, Texas.

This project is located within zip code 78746 (District 8).

Strategic Outcome(s):

Health and Environment, Safety.