

A G E N D A



Recommendation for Council Action (CLMD)

Austin City Council

Item ID:

66692

Agenda Number

14.

Meeting Date:

January 26, 2017

Department:

Capital Contracting Office

Subject

Authorize negotiation and execution of a professional services agreement with HARUTUNIAN ENGINEERING, INC., or one of the other qualified responders for Request for Qualifications Solicitation No. CLMP208 to provide engineering services for Walnut Creek Wastewater Treatment Plant Control System Upgrade for a total contract amount not to exceed \$750,000. (District 1)

Amount and Source of Funding

Funding is available in the Fiscal Year 2016-2017 Capital Budget of Austin Water.

Fiscal Note

A fiscal note is attached.

Purchasing Language:

Staff recommendation is the most qualified firm out of three firms evaluated through the City's qualifications-based selection process.

Prior Council Action:

For More Information:

Rolando Fernandez, 512-974-7749; Sarah Torchin, 512-974-7141; Rebecca Vento, 512-972-0205; Eric Bailey, 512-974-7713.

Boards and Commission Action:

January 11, 2017 - Recommended by the Water and Wastewater Commission on a vote of 8-0 with Commissioners Ho, Kellough, and Parker absent.

Related Items:

MBE / WBE:

This contract will be awarded in compliance with City Code Chapter 2-B (Minority Owned and Women Owned Business Enterprise Procurement Program) by meeting the goals with 16.00% MBE and 84.00% WBE participation.

Additional Backup Information

Walnut Creek Wastewater Treatment Plant is permitted to treat and discharge an average daily flow of 75 million gallons per day with a 2-hour peak flow of 165 million gallons per day. The plant currently averages a daily flow of approximately 60 million gallons per day. The plant effluent is used for non-potable water on the plant site and supplies much of the City's growing Water Reclamation Initiative program. The remainder is discharged into the Colorado River.

Walnut Creek Wastewater Treatment Plan uses the Supervisory Control and Data Acquisition system extensively for process control and monitoring. The system is made up of programmable logic controllers located in proximity to process areas of the plant, and a programmable logic controller network. The current network system was installed around 1990 as part of a plant-wide network renovation. Recent projects have installed fiber optic cabling and ethernet communications to some portions of the plant, but the plant fiber network has not been addressed as a whole.

The purpose of this project is to provide engineering services for the evaluation and subsequent improvements to the Supervisory Control and Data Acquisition system at the Walnut Creek Wastewater Treatment Plant. The intent of this project is to replace the existing obsolete control system network and hardware with modern equipment which follows Austin Water standards. This will be achieved by replacing existing obsolete programmable logic controllers, upgrading computers which run the Supervisory Control and Data Acquisition software, and utilizing fiber optic cabling and ethernet networking equipment to extend the Supervisory Control and Data Acquisition Ethernet network.

It should be noted that there are several concurrent projects which will be making changes to the network and will be replacing existing systems throughout the plant. Some of these projects will be occurring prior to, during, and after the anticipated construction of the Control System Upgrade Project. Close coordination with those projects will be required throughout design and construction.

This authorization provides for funding of services related to design services. This request allows for the development of an agreement with the qualified responder that Council selects. If the City is unsuccessful in negotiating a satisfactory agreement with the selected responder, negotiations will cease with that provider. Staff may return to Council so that Council may select another qualified responder and authorize contract negotiations with that provider or the City may elect to re-solicit.

All improvements will take place inside the facility's perimeter fence and are not anticipated to impact the public.

This item is not time sensitive, however a delay in approval of this item will lead to delays in required improvements and upgrades to the plant.

Walnut Creek Wastewater Treatment Plan is located in zip code 78724 (District 1).

TOP RANKED FIRM: HARUTUNIAN ENGINEERING, INC. is located in Austin, TX