

## A G E N D A



## Recommendation for Council Action (CLMD)

Austin City Council

Item ID:

66689

Agenda Number

12.

Meeting Date:

January 26, 2017

Department:

Capital Contracting Office

## Subject

Authorize execution of a construction contract with PEPPER-LAWSON WATERWORKS, LLC, for the Walnut Creek Wastewater Treatment Plant Tertiary Filter Rehabilitation project in the amount of \$25,218,000 plus a \$1,260,900 contingency, for a total contract amount not to exceed \$26,478,900. (District 1). Related to Item # 11.

## 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:**

One responsive bid received through a competitive Invitation for Bid solicitation.

**Prior Council Action:**

May 27, 2010 – Council approved a Professional Services Agreement with Black and Veatch Corporation for the Walnut Creek Wastewater Treatment Plant Tertiary Filter Rehabilitation project.

**For More Information:**

Rolando Fernandez, 512-974-7749; Sarah Torchin, 512-974-7141; Lucy Thompson, 512-974-7967; Steve Parks, 512-974-3576; Rebecca Vento, 512-972-0205.

**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 2-9A of the City Code (Minority Owned and Women Owned Business Enterprise Procurement Program) by meeting the goals 12.26% MBE and 1.99% WBE participation.

## Additional Backup Information

The tertiary filters at the Walnut Creek Wastewater Treatment Plant serve as the final step in the wastewater treatment process before the plant effluent is discharged to the Colorado River. This final filtration stage is required to comply with Texas Commission on Environmental Quality permit requirements. The filters also serve as the final step in the City's Water Reuse Initiative which has placed additional effluent quality requirements on these systems. The filters were originally built in 1974 and expanded in 1989 when the treatment plant was expanded to a capacity of 60 million gallons per day. Many of the filter components are in need of replacement due to age and deterioration.

The engineering consulting firm of Black and Veatch Corporation was retained in 2010 to complete engineering and design of improvements to refurbish the tertiary filters at the Walnut Creek Wastewater Treatment Plant. Final design of the improvements has been completed and the project has moved on to the construction phase.

The construction phase of the project will consist of rehabilitation of all ten gravity filters. Filters # 1-4 will require replacement of the filter troughs, media, and underdrain systems so that they will work more reliably with the newer filters. Filters # 5-10 will receive new troughs and media. The work will also include new clear well storage to ensure that the filters can be backwashed adequately without interrupting the flow to the City's Water Reuse Initiative system; a blower building to provide dedicated air for backwashing the filters; replacement and relocation of the backup de-chlorination chemical feed system closer to the plant effluent junction box; and replacement backwash pumps, associated piping, valves and controls. The existing electrical distribution system will be replaced and upgraded to provide dual electrical feeds. The controls and metering system used to monitor and control the filters system will also be upgraded.

This contract will include award of an alternate bid item for the addition of media retention baffles. Media retention baffles will aid in preventing the loss of media during filter backwashing. An alternate bid is a specified item of the construction work that is priced separately for additional items of work that may be awarded as part of the contract if the bids come within the specified budget.

Due to the potential for unknown conditions when working in an operating wastewater treatment plant facility, a 5% contingency in funding has been requested to allow for the expeditious processing of any change orders. A contingency is an additional amount of money added to the construction budget to cover any unforeseen construction costs associated with the project.

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

A delay in executing this construction contract will delay improvements to the effluent quality of the water discharged. Additionally, it will delay time sensitive improvements that are needed in preparation of planned expansion of the treatment capacity of the Walnut Creek Wastewater Treatment Plant.

The contract allows 1,125 calendar days for completion of this project. This project is located within zip code 78724 (District 1). The project is managed by Public Works.

Pepper-Lawson Waterworks, LLC is located in Houston, Texas.

Information on this solicitation is available through the City's Financial Services website. Link: [Solicitation Documents](#).