

A G E N D A



Recommendation for Council Action (CMD)

Austin City Council

Item ID:

30407

Agenda Number

7.

Meeting Date:

March 20, 2014

Department:

Contract Management

Subject

Authorize negotiation and execution of an amendment to the professional services agreement with AECOM TECHNICAL SERVICES, INC., for engineering services for the South Austin Regional Wastewater Treatment Plant Filter Improvements Project in the amount of \$1,349,327, for a total contract amount not to exceed \$2,892,204.25.

Amount and Source of Funding

Funding is available in the Fiscal Year 2013-2014 Capital Budget of the Austin Water Utility.

Fiscal Note

A fiscal note is attached.

Purchasing
Language:

Prior Council
Action:

May 27, 2010 – Council authorized negotiation and execution of a Professional Services Agreement with AECOM Technical Services, Inc.

For More
Information:

Steve Parks, 512-974-3576; Charles Celauro, 512-972-0653; Lucy Bonee, 512-974-7967; Felecia Shaw, 512-974-6017.

Boards and
Commission
Action:

March 12, 2014 - Approved unanimously by the Water and Wastewater Commission on a 7-0 vote.

Related Items:

MBE / WBE:

This contract was awarded in compliance with City Code Chapter 2-9B (Minority Owned Business and Women Owned Business Enterprise Procurement Program with 21.65% MBE and 25.81% WBE subconsultant participation to date.

Additional Backup Information

The purpose of this agreement is to provide engineering services to perform an assessment of the filter system, make recommendations for improvements, and complete final design of enhancements to improve reliability and performance of the filters for an estimated 25-year planning horizon.

The tertiary filters at the South Austin Regional Wastewater Treatment Plant serve as the final step in the wastewater treatment process before effluent is discharged to the Colorado River or reused through the City's water reuse initiative. This final filtration stage is required in order to comply with Texas Commission on Environmental Quality wastewater discharge and water reuse requirements. The filter building and 12 granular media gravity filters were constructed in 1988 with the expansion of Treatment Train B and have an average day capacity of 48 million gallons per day (MGD). Many of the filter components and the ancillary equipment are in need of replacement due to age and deterioration.

AECOM has completed the preliminary engineering phase of this project. The Preliminary Engineering Report (PER) includes an evaluation of the current granular media gravity filters and condition assessment of pumps, piping, valves, electrical, instrumentation, controls, and other equipment in the filter building. The PER recommends converting four of the existing 12 filters from granular media filters to cloth media disk filters. It further recommends converting two additional filters to disk filter technology within five years to more closely match the plant's treatment capacity of 75 MGD. Converting the filters to cloth media technology will allow increased filtration capacity within the existing building footprint.

AECOM is nearing completion of final design of 48 MGD of disk filter capacity to replace the existing granular media filters. This proposed contract amendment will authorize AECOM to: 1) complete final design to convert two additional existing filter cells to disk filter technology for a total filtration capacity of 72 MGD; 2) design temporary filtration to maintain discharge effluent quality during construction; and 3) provide construction phase engineering services.

The proposed amendment should be sufficient to cover all anticipated services required of AECOM through the completion of the project.

This amendment was approved by the City's Change Control Committee.

The project is managed by the Public Works Department.