

CIP EXPENSE DETAIL

CONTACT DEPARTMENT(S):

Austin Water Utility

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.

CURRENT YEAR IMPACT:

Department:	Austin Water Utility
Project Name:	Sar Tertiary Filter Improvements
Fund/Department/Unit:	4570 2307 8040
Funding Source:	Commercial Paper
Current Appropriation:	1,098,888.00
Unencumbered Balance:	1,080,822.41
Amount of This Action:	(1,080,822.00)
Remaining Balance:	<u>0.41</u>
Project Name:	Sar Tertiary Filters
Fund/Department/Unit:	4480 2307 8236
Funding Source:	AWU Fund Transfer
Current Appropriation:	2,070,346.00
Unencumbered Balance:	472,982.08
Amount of This Action:	(268,505.00)
Remaining Balance:	<u>204,477.08</u>
Total Amount of this Action	<u><u>1,349,327.00</u></u>

ANALYSIS / ADDITIONAL 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.

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.