

CIP EXPENSE DETAIL

DATE OF COUNCIL CONSIDERATION:
CONTACT DEPARTMENT(S):

10/18/12
Austin Water Utility

SUBJECT. Authorize negotiation and execution of an amendment to the professional services agreement with BLACK AND VEATCH CORPORATION for engineering services for the Walnut Creek Wastewater Treatment Filter Improvements Project in an amount not to exceed \$575,608 for a total contract amount not to exceed \$2,128,608.

CURRENT YEAR IMPACT:

Department:	Austin Water Utility
Project Name:	Wcwwtp Tertiary Filter Control Panels Rehab
Fund/Department/Unit:	4480 2307 8235
Funding Source:	AWU Fund Transfer
Current Appropriation:	2,150,000.00
Unencumbered Balance:	1,679,538.40
Amount of This Action:	(575,608.00)
Remaining Balance:	<u>1,103,930.40</u>
 Total Amount of this Action	 <u><u>575,608.00</u></u>

ANALYSIS / ADDITIONAL INFORMATION: The tertiary filters at the Walnut Creek Wastewater Treatment Plant serve as the final step in the wastewater treatment process before the effluent is discharged to the Colorado River or reused through the City's water reuse initiative. This final filtration stage is required to comply with Texas Commission on Environmental Quality (TCEQ) permit requirements that are enforced on both a daily average and annual average basis. The filters were originally built in 1974 and expanded in 1989. Many of the filter components are in need of replacement due to age and deterioration. This project will also address issues with the hydraulic capacity in order to ensure a consistent supply of filtered water for both backwashing and the water reuse system.

In order to address critical issues with the filter system, Council approved negotiation and execution of a professional services agreement with Black and Veatch, Inc. in April 2010. The purpose of this agreement was 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 preliminary engineering phase of this project has been completed.

The proposed contract amendment will authorize Black and Veatch Corporation to complete the final design of these improvements and prepare bid documents for construction of the proposed improvements. The proposed amendment is estimated to be sufficient to cover all anticipated services required of Black and Veatch Corporation through the bidding phase. Staff anticipates returning to Council for additional authorization for construction and warranty phase services. The construction costs associated with this project is currently estimated at \$14.5 million dollars.