

AGENDA



Thursday, January 27, 2011

**Contract and Land Management
RECOMMENDATION FOR COUNCIL ACTION****Item No. 16**

Subject: Authorize the negotiation and execution of a professional services agreement with AECOM TECHNICAL SERVICES, INC., Austin, TX (staff recommendation) or one of the other qualified responders to RFQ Solicitation No. CLMP043, to provide professional engineering services for the Davis and Ullrich Water Treatment Plants Raw Water Hydraulic and Energy Efficiency Improvements with an amount not to exceed \$450,000.

Amount and Source of Funding: Funding is available in the Fiscal Year 2010-2011 Capital Budget of the Austin Water Utility.

Fiscal Note: A fiscal note is attached.

For More Information: Bryan Barnett 972-0162; Rolando Fernandez 974-7749; Sarah Terry 974-7141

Purchasing Language: Staff recommendation is the most qualified firm out of 5 firms evaluated through the City's qualification-based selection process.

MBE/WBE: This contract will be awarded in compliance with Chapter 2-9B of the City Code (Minority Owned and Women Owned Business Enterprise Procurement Program) by meeting the goals with 15.80% MBE 15.80% WBE subconsultant participation.

Boards and Commission Action: Recommended by the Water & Wastewater Commission.

The City utilizes surface water resources from impoundments of the Colorado River for its drinking water supply. There are currently two operating water treatment plants (WTP) which include the Davis WTP and Ullrich WTP. A third plant, WTP4, is currently in the early stages of construction.

The Davis WTP was originally constructed in 1954 with various expansions and improvements through 2009; and the Ullrich WTP was originally constructed in 1969 with various expansions and improvements through 2007. Each plant has a low service pump station that pumps water from Lake Austin to the treatment plant via raw water pipelines. Treated water pump stations convey water to the distribution system. These plant pump stations account for the majority of the energy consumption at the City's Water Treatment Facilities.

The Davis WTP low service pump station exhibits hydraulic anomalies in wet wells that create vortices and excessive pump vibrations. This problem is compounded when Lake Austin is lowered in the winter to control noxious plants. These conditions prevent simultaneous operation of the station's largest two pumps; lessen the hydraulic capacity of the station and limits how efficiently water can be pumped to the plant. Four of six Ullrich WTP low service pumps are operating at lower pumping efficiency due to their age and condition.

The purpose of this project is to identify and recommend energy efficient improvements at the Ullrich WTP low, medium and high service pump stations, and recommend various hydraulic efficiency improvements at the Davis WTP low service pump station and raw water system.

The City anticipates services for this contract to include an overall evaluation of both plants' low service pump stations (including wet well hydraulic modeling), associated raw water conveyance systems and treated water pump stations. At this time the requested services are for Preliminary Engineering which will determine and recommend modifications and/or improvements required to meet the long-term, operational efficiency needs of both plants. If specifically requested by the City, anticipated services of the recommended firm may also include design, bidding, construction and warranty phase services for the desired improvements. Staff will return to Council to request additional authorizations accordingly.

This request allows for the development of a professional service agreement with the recommended firm. Should the City be unsuccessful in negotiating a satisfactory agreement with the recommended firm, negotiations will cease with that firm. Staff will then return to Council and request authorization to begin negotiations with the alternate recommendation listed below.

RECOMMENDED FIRM: AECOM TECHNICAL SERVICES, INC.
FIRST ALTERNATE FIRM: BROWN & GAY ENGINEERS, INC.

Participation subgoals stated in the solicitation were: 1.90% African American; 9.00% Hispanic; 4.90% Native/Asian; and 15.80% WBE. The recommended and alternate firms provided an MBE/WBE Compliance Plan that met the goals of the solicitation and was approved by the Small and Minority Business Resources Department.

Notification of issuance of a Request for Qualifications (RFQ) for the subject services was sent to 352 firms on March 26, 2010. The RFQ was obtained by 42 firms, and 5 firms submitted qualification statements; none of the firms which submitted qualification statements were a certified MBE/WBE firm.