



## Recommendation for Water & Wastewater Commission

<b>Commission Meeting Date:</b>	July 13, 2016
<b>Council Meeting Date:</b>	August 4, 2016
<b>Department:</b>	Public Works
<b>SUBJECT</b>	
Authorize negotiation and execution of an amendment to the professional services agreement with <b>HARTUTUNIAN ENGINEERING INC.</b> , for additional engineering services for the Davis Water Treatment Plant Power Distribution Upgrade project in the amount of \$2,000,000, for a \$3,000,000 amendment to the contract, for a total contract amount not to exceed \$7,000,000. (District 10)	
<b>AMOUNT AND SOURCE OF FUNDING</b>	
Funding is available in the Fiscal Year 2015-2016 Capital Budget of the Austin Water.	
<b>Purchasing Language:</b>	N/A
<b>Prior Council Action:</b>	August 8, 2008- Council approved a design contract for professional engineering services.
<b>For More Information:</b>	Richard Duane, 512-974-7730; Chris Wolter, 512-972-0224; Denise Avery, 512-972-0104; Lucy Bonee, 512-974-7967; Sarah Torchin, 512-974-7141
<b>Boards and Commission Action:</b>	July 13, 2016- To be reviewed by the Water and Wastewater Commission.
<b>MBE/WBE:</b>	This contract will be awarded in compliance with City Code Chapter 2-9A Minority Owned and Women Owned Business Enterprise Procurement Program by meeting the goals with 10.31% MBE and 79.18% WBE sub consultant participation to date.

Originally constructed in 1953, the Davis Water Treatment Plant is a critical component of the Austin potable water system, producing potable water for the central, east and north parts of the city. Key functions at the plant are performed by original assets that are far beyond their expected useful life. Although the Plant has undergone several process improvements over the years, much of the Plant's electrical system has generally not been updated or rehabilitated since the original construction and have deteriorated due to age and wear. This project upgrades the electrical services to these process areas and replaces outdated equipment. This project has been scoped and designed to improve these integral plant processes with minimal disruption to facility operations, thus significantly extending the useful life of a facility.

This project upgrades the electrical service and replaces outdated equipment. System improvements generally include new 12,470 volt Plant service cables from Austin Energy; a new incoming 15-Kv substation within a building; conversion of in-plant distribution voltage from 4160V to 12,470V; renovation of the chemical area switchgear/distribution; addition of 15-Kv dedicated transformers for the Low Service Pump Station; new redundant 15-Kv distribution cables and duct banks systems; renovating/upgrading the plant administration and training buildings distribution system; and renovating the emergency power distribution system. The project also includes Raw Water transmission line renovation and Powdered Active Carbon and Chlorine Line renovation.

The proposed amendment will provide professional engineering services to support the City with the construction of the Power Distribution Upgrade at the Davis Water Treatment Plant. The construction phase services provide for the oversight of construction, review of submittals, responses to contractor questions during construction, permit support, review of modifications, and preparation of as built drawings.

Construction of the Davis Water Treatment Plant Treated Water Discharge project is scheduled to be completed in May 2020.

This project is located in within zip code 78731 (District 10) and is managed by the Public Works Department.

Harutunian Engineering Inc. is located in Austin, Texas.

#### **AUTHORIZATION HISTORY**

<u>AMOUNT</u>	<u>DATE -- DESCRIPTION</u>
\$5,000,000	08/28/08 (Council) – Provide engineering services for Davis Water Treatment Plant Power Distribution Upgrade
\$2,000,000	08/04/16 Proposed (Council) – Construction Phase Services & Support Services
\$7,000,000	Total Contract Authorization

**CONTRACT HISTORY**

<u>AMOUNT</u>	<u>DATE – DESCRIPTION</u>
\$1,387,792.42	05/19/09 -- Original Professional Services Agreement for Preliminary Engineering Report
\$2,500,000	05/10/11 -- SA # 1 – Design, Power Distribution Upgrade
\$48,937.55	05/12/11 -- SA # 2 – Bid Phase Services
\$3,000,000	08/04/16 Proposed - SA # 3 Construction Phase Services & Support Services
\$6,936,729.97	Total Contract Expenditures

**M/WBE Summary**

Participation goals stated in the original approved compliance plan for the agreement were 2.10% African American; 11.40% Hispanic; 5.50% Native/Asian; and 62.00% WBE. Participation for this amendment:

WBE TOTAL – PRIME	\$2,425,015.24	82.21%
(FW) Harutunian Engineering, Inc., Austin, TX	\$2,425,015.24	82.21%
MBE TOTAL – SUBCONSULTANTS	\$128,368.25	4.35%
African American Subtotal	\$60,000	2.03%
(FB) All Points Inspection Services, Inc., Austin, TX (inspection Services)	\$60,000	2.03%
Hispanic Subtotal	\$55,519	1.88%
(MH) Jose I. Guerra, Inc., Austin, TX (structural engineering)	\$55,519	1.88%
Asian American Subtotal	\$12,849.25	0.44%
(MA) Encotech Engineering Consultants, Inc., Austin, TX (A/C)	\$12,849.25	0.44%
WBE TOTAL – SUBCONSULANTS	\$123,771.52	4.20%
FA) Accurate CAD Tech, Austin, TX (copy)	\$100,000	3.39%
(FH) MWM Inc., Austin, TX (architect)	\$23,771.52	0.81%
NON M/WBE TOTAL – SUBCONSULTANTS	\$272,501	9.24%
AECOM Technical Services Inc., Austin, TX (pipe design)	\$272,501	9.24%

**Overall participation based on contract expenditures as of 04/21/2016 (including this amendment):**

**PRIME:** 74.82% WBE

**SUBCONSULTANTS:**

1.79% African American; 6.87% Hispanic; 1.85% Native/Asian; 4.36% WBE; and 10.31% Non M/WBE.

**TOTAL:**

1.79% African American; 6.87% Hispanic; 1.85% Native/Asian; 79.18% WBE; and 10.31% Non M/WBE