



## **AGENDA MEMORANDUM**

Future Item for the City Council Meeting of September 18, 2018  
Action Item for the City Council Meeting of September 25, 2018

**DATE:** August 20, 2018

**TO:** Keith Selman, Interim City Manager

**THRU:** Mark Van Vleck, Assistant City Manager  
markvv@cctexas.com  
(361) 826-3082

Valerie H. Gray, P. E., Executive Director of Public Works  
valerieg@cctexas.com  
(361) 826-3729

**FROM:** Jeff H. Edmonds, P. E., Director of Engineering Services  
jeffrey@cctexas.com  
(361) 826-3851

Dan Grimsbo, Director of Water Utilities  
dang@cctexas.com  
(361) 826-1718

**Professional Services Contract Amendment**  
**Greenwood Wastewater Treatment Plant**  
**Headworks & Grit Removal Rehabilitation**  
**(Capital Improvement Program)**

**CAPTION:**

Motion to authorize execution of Amendment No. 1 with Urban Engineering of Corpus Christi, Texas in the amount of \$335,200 for a total restated fee of \$380,400 for Greenwood Wastewater Treatment Plant (WWTP) Headworks & Grit Removal Rehabilitation project.

**PURPOSE:**

This provides for the engineering and design for capital improvements and improved odor control for the Greenwood WWTP.

**BACKGROUND AND FINDINGS:**

The Greenwood WWTP was originally constructed in 1957 with two (2) Million Gallons per Day (MGD) capacity. The plant was expanded to six (6) MGD capacity in 1988. Construction included a single mechanical bar screen and grit removal equipment. Another two (2) MGD expansion occurred in 1999 that included construction of a second mechanical bar screen with grit removal equipment and the first odor control system. The last major upgrade at the plant occurred in 2016 with replacement of the Odor Control Treatment Unit. The remaining structures and equipment are beyond their useful life and cannot be economically maintained. The deteriorated condition

of the headworks impacts the plant capacity, operational cost and TCEQ permit compliancy.

This item includes the engineering and design for structural rehabilitation of the headworks with replacement of bar screens, grit removal equipment and odor control covers. Amendment No 1 provides for detailed investigations, field verifications, analysis and cost-effective recommendations for the improvements. The amendment includes the preparation of construction documents with bid and construction phase technical support services. The initial contract provided only for the preliminary investigations, evaluations and recommendations to better define the scope and cost for improvements.

This is one of four major projects at the Greenwood WWTP. The three additional projects are summarized below:

1. UV System improvements – Under design
2. Flood Mitigation – Initial soil study underway to reuse La Volla Creek excavated soils as potential levy construction; preliminary design pending negotiations
3. Process Improvements – Under preliminary design for a future CIP project to convert Greenwood WWTP from Anaerobic to Aerobic to match the five other existing WWTP's

**ALTERNATIVES:**

1. Authorize execution of the professional services contract. (Recommended)
2. Do not authorize execution of the contract. (Not Recommended)

**OTHER CONSIDERATIONS:**

Urban Engineering was selected for this project through Request for Qualifications No. 2017-03.

**CONFORMITY TO CITY POLICY:**

Complies with statutory requirements for professional services contracts. Conforms to FY 2017-2018 Capital Improvement Planning (CIP) Budget.

**EMERGENCY / NON-EMERGENCY:**

Non-Emergency

**DEPARTMENTAL CLEARANCES:**

Water Utilities Department

**FINANCIAL IMPACT:**☐ Operating☐ Revenue☒ **Capital**☐ Not applicable

<b>Fiscal Year 2017-2018</b>	<b>Project to Date Expenditures (CIP only)</b>	<b>Current Year</b>	<b>Future Years</b>	<b>TOTALS</b>
Budget		3,900,000		3,900,000
Encumbered / Expended Amount		45,200		45,200
<b>This item</b>		<b>335,200</b>		<b>335,200</b>
Future Anticipated Expenditures This Project		412,500		412,500
* BALANCE		3,107,100		3,107,100

\*Balance will be required for construction. Fund(s): Wastewater CIP No. 11

**RECOMMENDATION:**

City staff recommend approval of Amendment No. 1 to Urban Engineering.

**LIST OF SUPPORTING DOCUMENTS:**

Project Budget  
Location Map  
Presentation  
Amendment No.1