



AGENDA MEMORANDUM

Future Item for the City Council Meeting of May 31, 2016
Action Item for the City Council Meeting of June 14, 2016

DATE: May 20, 2016

TO: Margie Rose, Acting City Manager

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Engineering Construction Contract
Whitecap Wastewater Treatment Plant
Ultra-Violet System Upgrade

CAPTION:

Motion authorizing the City Manager or designee to execute a construction contract with J.S. Haren Company of Athens, Tennessee in the amount of \$5,266,997.75 for the Whitecap Wastewater Treatment Plant Ultra-Violet System Upgrade for the Base Bid.

PURPOSE:

The purpose of this agenda item is to obtain authority to execute a construction contract for the Whitecap Wastewater Treatment Plant Ultra-Violet System Upgrade for the Base Bid.

CIP Description: Whitecap Wastewater Treatment Plant Ultra-Violet System Upgrade (E10179)

“The purpose of this project is to upgrade the UV disinfection system in order to meet new Texas Commission of Environmental Quality (TCEQ) requirements. Work will provide for the design and construction of a new ultra-violet disinfection system with additional filter upgrades to meet recently upgraded TCEQ Enterococcus Bacterial permit levels.”

BACKGROUND AND FINDINGS:

This project is necessary to ensure continued disinfection capability to meet the current Texas Commission on Environmental Quality (TCEQ) permit limits for Enterococci Bacteria. The original disinfection system has reached the end of its useful life with obsolete parts and service that was not designed to address Enterococci bacteria. This project is required regardless of the City's decision to consolidate the Wastewater Plants as the current disinfection system cannot meet current permit requirements. The proposed project was developed with a Base Bid and Additive Alternative as follows:

Base Bid:

Includes a new cloth filtration system with disinfection chamber and ultra-violet (UV) disinfection system in addition to necessary electrical improvements to support compliance with TCEQ permit. The project also provides a new effluent pump station to discharge into the Laguna Madre during storm events and/or during high tide, and an onsite generator.

Additive Alternate No. 1 includes a different filter system manufactured by Aqua-Aerobic Systems, Inc. required in the base bid. The maintenance requirements of the Aqua-Aerobic Systems requires more complicated and expensive maintenance and therefore not recommended for the minor cost reduction.

On March 23, 2016, the City received proposals from four (4) bidders and the respective bids were as follows:

CONTRACTOR	BASE BID	ADDITIVE ALTERNATE
J.S. Haren Company Athens, Tennessee	\$5,266,997.75	(\$1,000.00)
Associated Construction Partners, LTD. Boerne, Texas	\$5,423,997.75	\$20,000.00
CSA Construction, Inc. Houston, Texas	\$5,454,000.00	(\$5,000.00)
MGC Contractors, Inc. Pleasanton, Texas	\$5,555,997.75	(\$110,000.00)

The City's consultant, Freese and Nichols, Inc. analyzed the four proposals and recommended the project be awarded to J.S. Haren Company for the Base Bid only. Based on a review of J.S. Haren Company's experience and resources, they are qualified to provide the construction services for the project.

ALTERNATIVES:

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

OTHER CONSIDERATIONS:

Not applicable

CONFORMITY TO CITY POLICY:

Conforms to City Fiscal Policy

EMERGENCY / NON-EMERGENCY:

Non-Emergency

DEPARTMENTAL CLEARANCES:

Utilities Department

FINANCIAL IMPACT:

Operating Revenue Capital Not applicable

Fiscal Year 2015-2016	Project to Date Expenditures	Current Year	Future Years	TOTALS
Line Item Budget	\$3,174,200.00	\$4,500,000.00	\$1,400,000.00	\$9,074,200.00
Encumbered / Expended Amount	\$870,486.00			\$870,486.00
This Item		\$5,266,997.75		\$5,266,997.75
Future Anticipated Expenditures This Project			\$938,766.25	\$938,766.25
BALANCE	\$2,303,714.00	(766,997.75)	\$461,233.75	\$1,997,950.00

Fund(s): Wastewater CIP #1

Comments: This project requires approximately 482 calendar days with anticipated completion in October 2017. The construction contract will result in the expenditure of an amount not to exceed \$5,266,997.75.

RECOMMENDATION:

City Staff recommends approval of a construction contract with J.S. Haren Company of Athens, Tennessee in the amount of \$5,266,997.75 for the Whitecap Wastewater Treatment Plant Ultra-Violet System Upgrade for the Base Bid.

LIST OF SUPPORTING DOCUMENTS:

Project Budget
Location Map
Presentation
Form 1295