



AGENDA MEMORANDUM

Future Item for the City Council Meeting of July 22, 2014
Action Item for the City Council Meeting of July 29, 2014

DATE: July 3, 2014

TO: Ronald L. Olson, City Manager

THRU: Gustavo Gonzalez, P.E., Assistant City Manager, Public Works and Utilities
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Engineering Contract

Nueces River Raw Water Pump Station

CAPTION:

Motion authorizing the City Manager or designee to execute Amendment No. 1 to the engineering contract with Urban Engineering of Corpus Christi, Texas in the amount of \$1,688,299, for a total restated fee not to exceed \$1,738,035 for Nueces River Raw Water Pump Station for preliminary, design, bid, and construction administration services.

PURPOSE:

The purpose of this agenda item is to obtain authority to execute Amendment No. 1 to the Urban Engineering contract for the Nueces River Raw Water Pump Station.

BACKGROUND AND FINDINGS:

The Nueces River Raw Water Pump Station is located on the Nueces River and utilizes two separate pump buildings to deliver water from the river to the O.N. Stevens Water Treatment Plant (ONSWTP). Pump Building No. 1 was constructed in 1954 and was provided with four vertical turbine type pumps. Only two of the four pumps are functional at this time. Pump Building No. 2 was constructed in 1981 and contains four dry-pit centrifugal pumps. The maximum daily water demand treated at ONSWTP has been 111.7 million gallons daily (MGD), and the pump station has been unable to meet the peak demands. Currently Mary Rhodes Pipeline is providing an additional 30 MGD of raw water to ONSWTP to meet the demand requirement of the City, but this demand amount cannot be assured, should additional pumps go out at the Nueces River Pump Station.

This contract provides for the design and construction to improve the pumping capacity and reliability of the Nueces River Raw Water Pump Station. The scope of work for this contract includes improvements of pump station and raw water transmission main. The pump station improvements will be evaluated and designed for a minimum peak hour flow rate of 200 MGD, but the number of pumps installed will be phased with initial flows expected to be in the 140 to 177 MGD range with space for future pumps to provide flow capacity to meet the anticipated requirements over next 50 years.

Urban Engineering was selected as the A/E Consultant for this project through RFQ No. 2011 - 05.

ALTERNATIVES:

1. Authorize the execution of the engineering contract.
2. Do not authorize the execution of the engineering 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 2013-2014	Project to Date Expenditures	Current Year	Future Years	TOTALS
Line Item Budget	\$67,194.00	\$2,347,506.00	\$18,785,300.00	\$21,200,000.00
Encumbered / Expended Amount	\$67,194.00			\$67,194.00
This Item		\$1,688,299.00		\$1,688,299.00
Future Anticipated Expenditures This Project		\$659,207.00	\$14,057,543.00	\$14,716,750.00
BALANCE	\$0.00	\$0.00	\$4,727,757.00	\$4,727,757.00

Fund(s): Water CIP #17

Comments: This project requires approximately 1,030 calendar days with anticipated completion in May of 2017. The amendment will result in the expenditure of an amount not to exceed \$1,688,299.

RECOMMENDATION:

City Staff recommends approval of Amendment No. 1 with Urban Engineering in the amount of \$1,688,299, for a total restated fee not to exceed \$1,738,035 for Nueces River Raw Water Pump Station for preliminary, design, bid, and construction administration services.

LIST OF SUPPORTING DOCUMENTS:

Project Budget
Location Map
Contract
Presentation