



AGENDA MEMORANDUM

Future Item for the City Council Meeting of September 20, 2016
Action Item for the City Council Meeting of September 27, 2016

DATE: September 6, 2016

TO: Margie C. Rose, City Manager

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<p style="text-align: center;"><u>Engineering Design Contract</u> Elevated Water Storage Tanks - Citywide (Alternative Capacity Requirement Implementation)</p>
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CAPTION:

Motion authorizing the City Manager or designee to execute an Engineering Design contract with LNV, Inc. of Corpus Christi, Texas in the amount of \$672,034 for the Elevated Water Storage Tanks – Citywide (Alternative Capacity Requirement Implementation) for design, bid and construction phase services.

PURPOSE:

The purpose of this agenda item is to obtain authority to execute an engineering design contract for the Elevated Water Storage Tanks (Alternative Capacity Requirement Implementation – Phases 3 & 4).

CIP DESCRIPTION: Elevated Water Storage Tanks – Citywide (ACR Implementation)

“The existing Elevated Storage Tanks (EST) have inadequate volume and elevation to meet minimum storage requirement as defined by the Texas Commission on Environmental Quality (TCEQ). This project is a phased multi-year effort that will provide four new ESTs with 7.5 million gallons of storage. This improved storage capacity, combined with the new heights and two new pump station generators (addressed under a separate CIP project) will place the City’s

distribution system in compliance with TCEQ's Alternative Capacity Requirement (ACR). Land acquisition and design for Tanks 1 and 2 is in process and construction is scheduled to begin in fiscal year 2016. The remaining tanks will follow the same life cycle and are scheduled to be completed by end of fiscal year 2022. Included in this project is the completion of the Water Distribution System Master Plan in accordance with TCEQ ACR Implementation criteria.

BACKGROUND AND FINDINGS:

In June 2012, the Texas Commission on Environmental Quality (TCEQ) approved the City's four phased approach for the ACR Implementation Plan in Pressure Zone 1 to increase the elevated storage capacity from 3.5 Million Gallon (MG) to 7.5 MG. In 2016, TCEQ approved combining Phase 3 & 4 into a single project to reduce the cost and accelerate the ACR Implementation plan."

This project provides for the design and professional engineering services combining Phase 3 and Phase 4 into a single project to reduce the cost and accelerate the ACR Implementation plan with planned construction completion for both tanks in August 2020.

The City's ACR Implementation Plan and status shown in the Table below.

Phase	Description	Status
1	Construct a new emergency generator at both the Navigation and Staples Street Pump Stations	Under Design
2	Construct 2 new EST's; 3.0 MG at the Holly Road Pump Station and 0.75 MG EST at Rand Morgan Street	Construction
3	Construct a new 2.5 MG EST at Starry Road on City-owned property (DESIGN UNDER THIS PROJECT)	Design
4	Construct a new 1.25 MG EST at Nueces Bay Blvd at undetermined site (DESIGN UNDER THIS PROJECT)	Beginning Land Acquisition

Phase 1 is under design with construction scheduled for completion in September 2017. The Phase 2 construction contract was approved by City Council on April 19, 2016, and planned for completion in early 2018. This contract will begin phases three and four.

This project provides for a 2.5 MG EST at Starry Road located on City owned property. The 1.25 MG EST on Nueces Bay Blvd. is proposed on property owned by Flint Hills that is currently under land acquisition discussions. This project also includes demolition of the existing four ESTs that include the Morgan EST, Gollihar EST, Alameda EST, and Flour Bluff EST.

LNV Engineers, Inc. was selected for this project through RFQ 2008-05 Bond Issue 2008 and other CIP Projects, dated September 19, 2008. LNV Engineers, Inc. brings expertise and excellent past performance for the Phase 2 of the ACR Implementation Plan for the City.

ALTERNATIVES:

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

OTHER CONSIDERATIONS:

None

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	\$2,261,144	\$5,200,000	\$23,000,000	\$30,461,144
Encumbered / Expended Amount	\$1,020,386	\$6,063,370	\$3,245,080	\$10,328,836
This Item		\$672,034		\$672,034
Future Anticipated Expenditures This Project			\$19,373,893	\$19,373,893
BALANCE	\$1,240,758	-\$1,535,404	\$381,027	\$86,381

Fund(s): Water CIP No. 3

Comments: This project requires approximately 1,480 calendar days with anticipated completion in August 2020. This contract will result in an expenditure not to exceed \$672,034.

RECOMMENDATION:

City Staff recommends approval of the Engineering Design contract with LNV, Inc. of Corpus Christi, Texas in the amount of \$672,034 for the Elevated Water Storage Tanks – Citywide (Alternative Capacity Requirement Implementation) for design, bid and construction phase services.

LIST OF SUPPORTING DOCUMENTS:

Project Budget
Location Map
Contract
Presentation
Pressure Zone Map
Form 1295