



AGENDA MEMORANDUM

Action Item for the City Council Meeting of February 28, 2023

DATE: February 20, 2023

TO: Peter Zaroni, City Manager

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Professional Services Agreement **Evangeline Groundwater Evaluation**

CAPTION:

Motion authorizing a professional service agreement with HDR in the amount of \$94,090.00 to evaluate an additional water supply strategy (Evangeline Groundwater Evaluation) to be integrated into the City's current water system to address impacts of growth, drought and regional water demands with funding from the FY 2023 Water Fund.

SUMMARY:

This item authorizes a professional services agreement with HDR to partner with the City that will set forth the terms and conditions under which HDR will deliver an evaluation of the Evangeline Groundwater water supply strategy. The evaluation will identify regulatory, costs, and implementation challenges associated with delivery of Evangeline groundwater supplies to the City, City wholesale customers, or existing or future industrial customers.

BACKGROUND AND FINDINGS:

HDR is specialized in engineering, architecture, environmental and construction services. HDR has an extensive history working with the City on water related projects ranging from Water Supply modeling, Aquifer Storage and Recovery, technical support for groundwater projects, among a few. HDR has a strong local presence and work leading our regions Texas Water Development Board water planning group (Region-N).

Corpus Christi Water is working to evaluate additional water supply strategies to integrate into the City's water resources to address growth, impacts from drought, and to meet long-term regional water supply demands. Seawater desalination is the City's top water priority. However, the City has been in contact with Evangeline Laguna LP to deliver up to 25 million gallons per day (MGD) of groundwater located in San Patricio County. The purpose of this project is to identify regulatory requirements, costs, and implementation strategies as well as any challenges associated with delivery. Costs developed from this evaluation will be planning-level using the TWDB Uniform Costing Model (2018) updated to reflect ENR's December 2022 construction cost indices (CCI) for delivery to up to five (5) locations 1) Pipeline to O.N. Stevens WTP 2) Transport using Mary Rhodes Pipeline – Treated using reverse osmosis 3) Transport to wholesale customer (s) 4) Delivery to San Patricio Municipal Water District 5) Other configuration confirmed during kick-off meeting.

PROJECT TIMELINE:

A draft technical memorandum will be issued eight weeks after a kick-off meeting and receipt of requested materials. HDR will address City Staff comments received on the draft and issue the final technical memorandum within two weeks of receiving comments.

ALTERNATIVES:

An alternative is to not proceed with the agreement which will not provide the City with a third party review of the Evangeline Groundwater project.

FISCAL IMPACT:

This fiscal impact for FY 2023 is an amount of \$94,090.00 for an engineering study evaluation of the Evangeline Groundwater water supply strategy, with funding available from the Water Fund 4010, organization 30230 – Water Supply Development.

FUNDING DETAIL:

Fund: Water Fund 4010 (Fund 4010)
Department: Water (45)
Organization: Water Supply Development (30230)
Project: Evangeline Groundwater Study (Project No. 23186)
Account: Professional Services (530000)
Amount: \$94,090.00

RECOMMENDATION:

Staff recommends approval of the motion authorizing professional services agreement with HDR in the amount of \$94,090.00 for the for an evaluation of the Evangeline Groundwater water supply strategy.

LIST OF SUPPORTING DOCUMENTS:

Professional Services Agreement
Evangeline Groundwater Project Site Map
Evangeline Groundwater Evaluation