



AGENDA MEMORANDUM
City Council Meeting of October 14, 2025

DATE: October 10, 2025

TO: Peter Zaroni, City Manager

FROM: Nicholas Winkelmann, P.E., Interim Chief Operating Officer
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361-826-1796

**Hydrogeological Analysis and Modeling for the Nueces Groundwater Project
and the Evangeline Groundwater Project by INTERA**

STAFF PRESENTER(S):

	<u>Name</u>	<u>Title/Position</u>	<u>Department</u>
1.	Nicholas Winkelmann, P.E.	Interim COO	CCW

OUTSIDE PRESENTER(S):

	<u>Name</u>	<u>Title/Position</u>	<u>Agency Name</u>
1.	Steve Young, PhD, P.E., PG	Principal Hydrogeologist	INTERA

BACKGROUND:

INTERA is providing hydrogeologic professional services for the Nueces Groundwater Project and the Evangeline Groundwater Project.

INTERA presentation to include:

- Overview of the Gulf Coast Aquifer (Nueces and San Pat County)
- Review of previous work that was previously conducted
 - Nueces County
 - San Pat County (Evangeline)
- Review of the new model that was developed for the Nueces Groundwater Project
 - Development and build out of the model
 - Continued updating of the model with new available data provided by the City
- Model Results for Nueces Groundwater Project
- Review of Well Design for Nueces Groundwater Project
 - Geophysical reports

- Actual well construction and design
- Near-term projections
 - Nueces Groundwater Project
- Long-term projections
 - Evangeline Groundwater project

LIST OF SUPPORTING DOCUMENTS:

PowerPoint – Hydrogeologic Update by INTERA