

Professional Services Contract for Far Field Modeling Throughout Corpus Christi Bay

Nicholas J. Winkelmann, P.E.

Chief Operating Officer - Corpus Christi Water

March 17, 2026

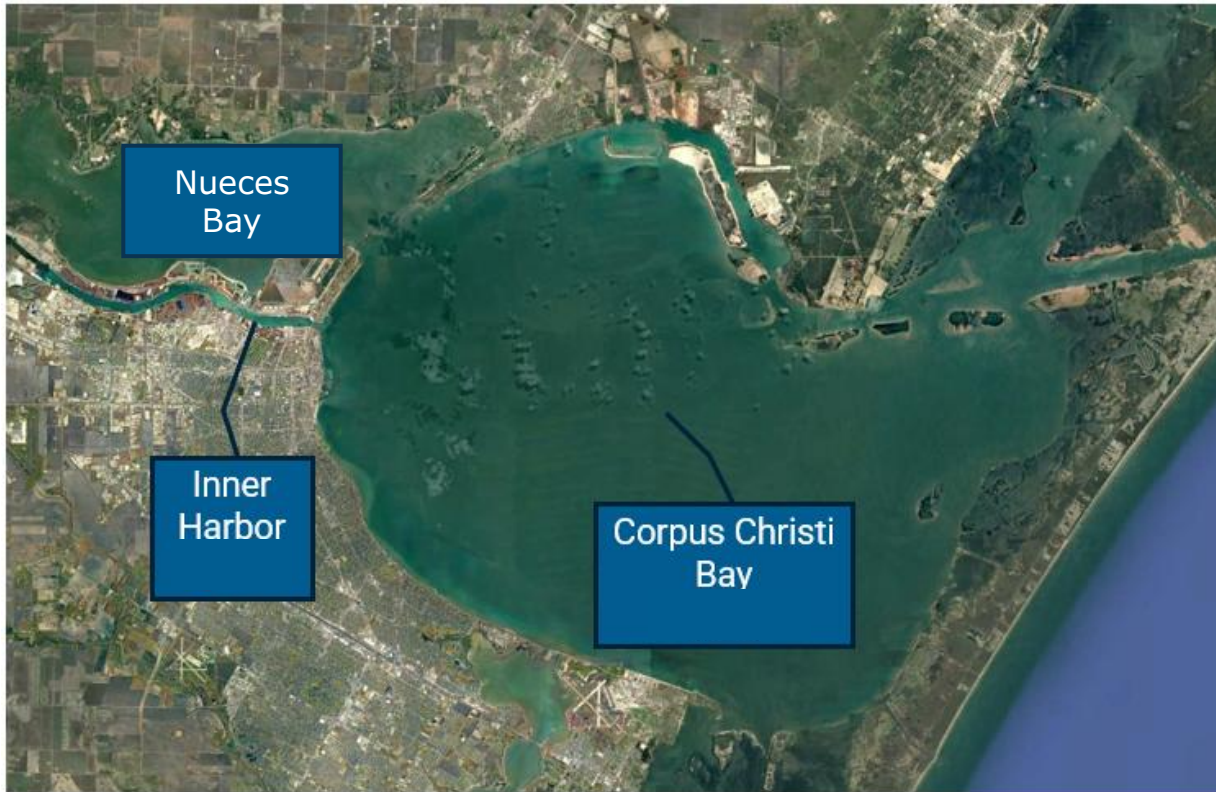


Background

- November 2025 - City Council approves motion to initiate the procurement process to select a vendor for a Far Field Model throughout the Corpus Christi Bay system
- December 2025 - CCW presents the development of the Far Field Committee to provide input, and to ensure a collaborative and transparent analysis and interpretation of the Far Field Model process

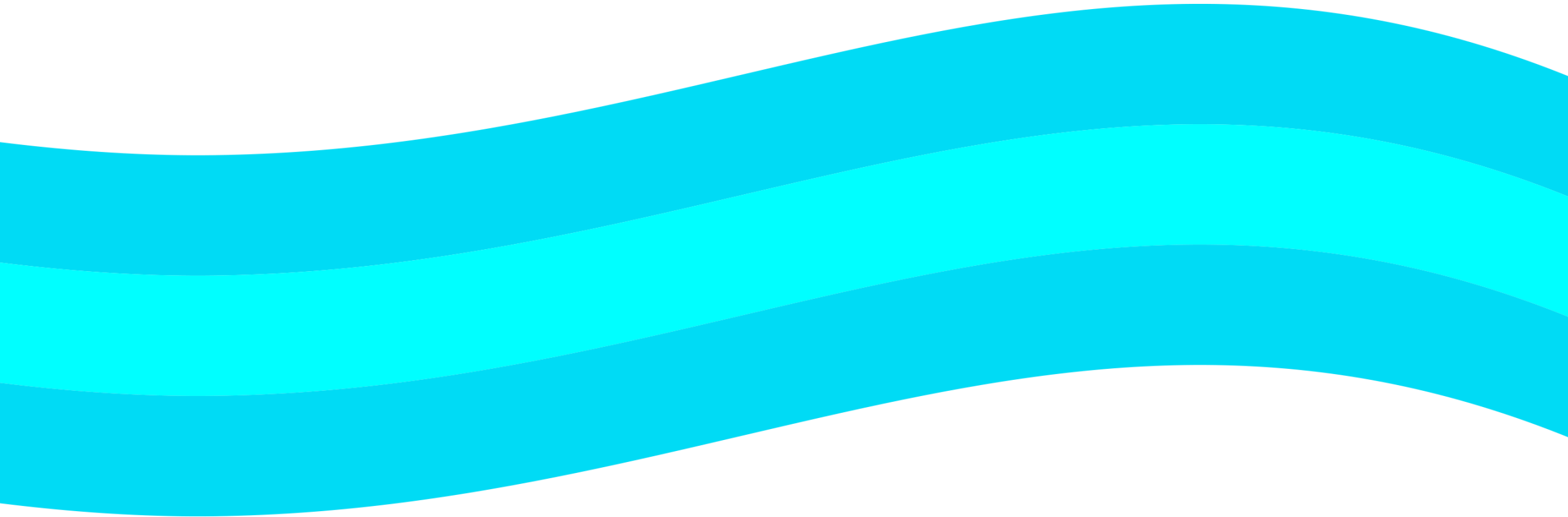


Project Details and Staff Recommendation



Staff recommends approval of a professional services contract with Spheros Environmental in an amount not to exceed \$298,210.00, with funding available from the Water Capital Fund, to perform Far Field Modeling for the Corpus Christi Bay system.

- Modeling work will commence immediately
- Will include results from previous work
- Increases the model grid resolution throughout the Inner Harbor
- Simulates the effects of large ship traffic on brine mixing and salinity distribution
- Expands the model domain to include simulations of additional time periods and previous work
- Expansion of modeling will include previous "dry" years
- Significant data available for council to review in April, 2026 with final report to follow



CITY OF CORPUS CHRISTI
**CORPUS CHRISTI
WATER**