



CITY OF  
**CORPUS CHRISTI**

**AGENDA MEMORANDUM**

Action Item for the City Council Meeting March 17, 2026

**DATE:** March 9, 2026  
**TO:** Peter Zanoni, City Manager  
**FROM:** Nicholas J. Winkelmann, P.E. Chief Operating Officer

Motion authorizing a professional services contract with Spheros Environmental Group Parent Inc., of Round Rock, TX for Far Field Modeling throughout the Corpus Christi Bay System not to exceed \$298,210.00, with FY 2026 funding from Water Capital Fund.

**CAPTION:**

Motion authorizing a professional services contract with Spheros Environmental Group Parent Inc., of Round Rock, TX for Far Field Modeling throughout the Corpus Christi Bay System in an amount not to exceed \$298,210.00, with FY 2026 funding from Water Capital Fund.

**SUMMARY:**

This motion approves a professional services contract with Spheros Environmental for a Far Field Modeling throughout the Corpus Christi Bay System.

**BACKGROUND AND PURPOSE:**

On November 18, 2025, City Council approved the motion to immediately begin the procurement process to select a vendor for the far field study. On December 16, 2025, CCW presented 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 TIMELINE:**

The modeling work will commence immediately and will have results from updated model from 2023 to include increasing the model grid resolution throughout the Inner Harbor, simulating the effects of large ship traffic on brine mixing and salinity distribution, and expanding the model domain to include simulations of additional time periods by April 28<sup>th</sup>, 2026. The expansion of modeling to include dry years of 2012-2014 and completing all areas listed, will be completed by June 30<sup>th</sup>, 2026.

**ALTERNATIVES:**

The alternative would be to not proceed with the contracting for the Far Field Modeling.

**FISCAL IMPACT:**

The fiscal impact for Corpus Christi Water in FY 2026 for modeling efforts to simulate operations of an Inner Harbor desalination facility and assess the fate and transport of the desalination brine discharge throughout the Corpus Christi Bay System in an amount not to exceed \$298,210.00, with funding available from the Water Capital Fund.

**FUNDING DETAIL:**

Fund:	4488-Water CIP SWIFT
Department:	45
Organization:	89
Project:	E15117
Account:	550950
Activity:	E15117014488EXP
Amount:	\$298,210.00

**RECOMMENDATION:**

Staff recommends approval of professional services contract with Spheros Environmental to perform Far Field Modeling for the entire Corpus Christi Bay system.

**LIST OF SUPPORTING DOCUMENTS:**

Spheros Environmental Proposal  
Presentation