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June 18, 2026

Mr. Tim Andruss
General Manager
Victoria County Groundwater Conservation District
1501 Mockingbird Lane
Victoria, TX 77904

RE: Proposal to perform additional simulations of brackish groundwater production in Calhoun, Jackson, Refugio, and Victoria Counties

Dear Mr. Tim Andruss,

INTERA is pleased to provide additional modeling services for the following tasks:

Task 1: Complete an assessment of predicted cumulative drawdowns in the fresh groundwater zones by simulating:

1) A project in each county producing 10,000 AFY of groundwater from the Slightly Saline DSGMZ at a site with high transmissivity (> 5,000 ft^2/day).
2) A project in each county producing 7,000 AFY of groundwater from the Moderately Saline DSGMZ at a site with high transmissivity (> 5,000 ft^2/day).
3) A project in each county producing 5,000 AFY of groundwater from the Extremely Saline DSGMZ at a site with high transmissivity (> 5,000 ft^2/day).

Task 2: Complete an assessment of predicted cumulative drawdowns in the fresh groundwater zones by simulating:

1) A project in each county producing 10,000 AFY of groundwater from the Slightly Saline DSGMZ at a site with moderate transmissivity (> 1,000 ft^2/day and < 5,000 ft^2/day).
2) A project in each county producing 7,000 AFY of groundwater from the Moderately Saline DSGMZ at a site with moderate transmissivity (> 1,000 ft^2/day and < 5,000 ft^2/day).
3) A project in each county producing 5,000 AFY of groundwater from the Extremely Saline DSGMZ at a site with moderate transmissivity (> 1,000 ft^2/day and < 5,000 ft^2/day).

Task 3: Complete an assessment of predicted cumulative drawdowns in the fresh groundwater zones by simulating:

1) A project in each county producing 10,000 AFY of groundwater from the Slightly Saline DSGMZ at a site with low transmissivity (< 1,000 ft^2/day).
2) A project in each county producing 7,000 AFY of groundwater from the Moderately Saline DSGMZ at a site with low transmissivity (< 1,000 ft^2/day).

3) A project in each county producing 5,000 AFY of groundwater from the Extremely Saline DSGMZ at a site with low transmissivity (< 1,000 ft^2/day).

To accomplish **Task1**, **Task2**, and **Task3**, INTERA will perform work based on the report titled "Characterization of Brackish Groundwater Resources for Calhoun, Jackson, Refugio, and Victoria Counties". The proposed work is described as follows:

- Delineate the spatial extent and depth of the Slightly Saline, Moderately Saline, and Extremely Saline DSGMZs in each of the Calhoun, Jackson, Refugio, and Victoria Counties, using the total dissolved solids (TDS) concentration data interpreted from geophysical well logs complied in the report.
- Analyze the transmissivity field in the Central Gulf Coast Brackish Groundwater Flow Model (CGCBGWF Model) to locate proper sites with low transmissivity, moderate transmissivity, and high transmissivity in each of the three DSGMZs. There are 36 sites to be located, with 9 sites in each of the four counties.
- Design production wellfields at each of the 36 sites and perform 9 predictive simulations using the CGCBGWF Model with the production wells and specified pumping rates. One simulation will include four sites across four counties operating simultaneously in the same DSGMZ. INTERA will discuss with General Manager Tim Andruss about the site locations and well configurations before performing any simulations.
- The results of prediction simulations regarding the drawdown impacts on the freshwater zones will be documented in an addendum to the INTERA's report.

The cost to perform the proposed work is $10,000. The work will be performed under a fixed price contract.

INTERA looks forward to discussing the proposal with you.

Sincerely,

Shuo Yang

Shuo Yang, PhD

Groundwater Modeler

INTERA Incorporated

Cc: Steven C Young, INTERA