

# Water Supply Projects Update

Nicholas J. Winkelmann, P.E.

Interim Chief Operating Officer - Corpus Christi Water

Brett Van Hazel, P.E.

Director of Water Supply Management

January 13, 2026



# Discussion Topics

- National Weather Service Update
- Water Supply Dashboard Update
- Lake Texana Update
- Evangeline Groundwater Project
- Nueces Groundwater Project
- Well Field Monitoring Program
- Inner Harbor Seawater Desalination
- Reclaimed Water
- Water Conservation Plan Update
- Water Supply Project Website



# National Weather Service Update



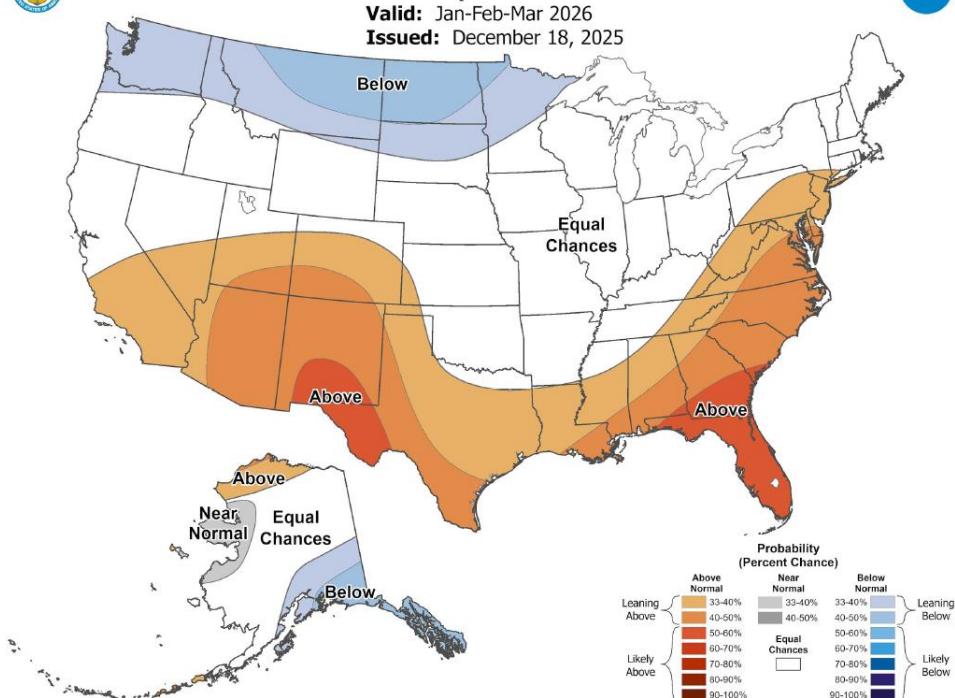
## Seasonal Temp/Precip Outlook

January 12, 2026  
8:57 AM



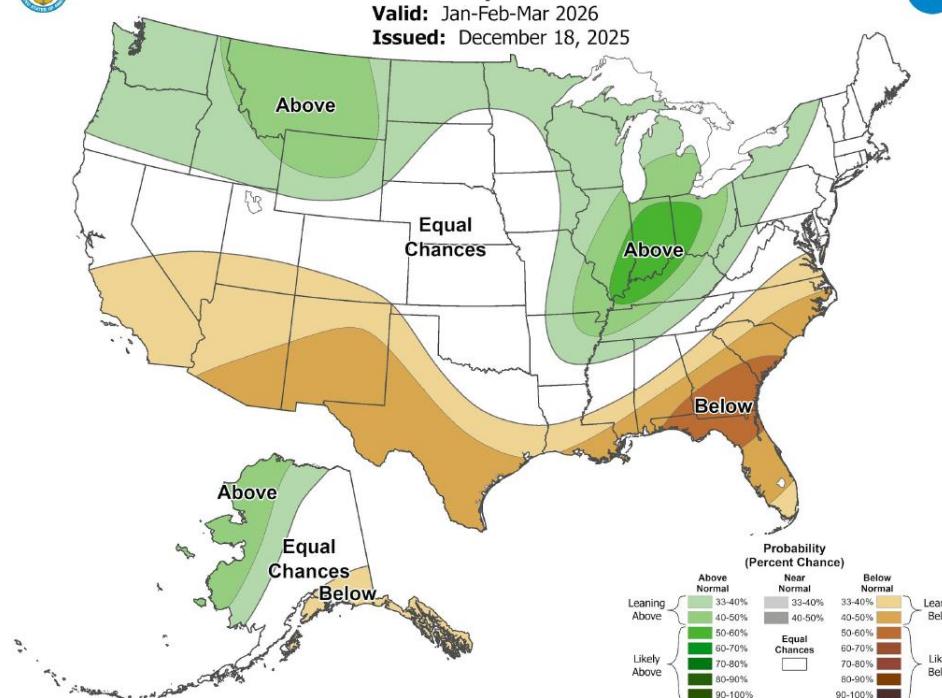
### Seasonal Temperature Outlook

Valid: Jan-Feb-Mar 2026  
Issued: December 18, 2025



### Seasonal Precipitation Outlook

Valid: Jan-Feb-Mar 2026  
Issued: December 18, 2025



National Oceanic and  
Atmospheric Administration  
U.S. Department of Commerce

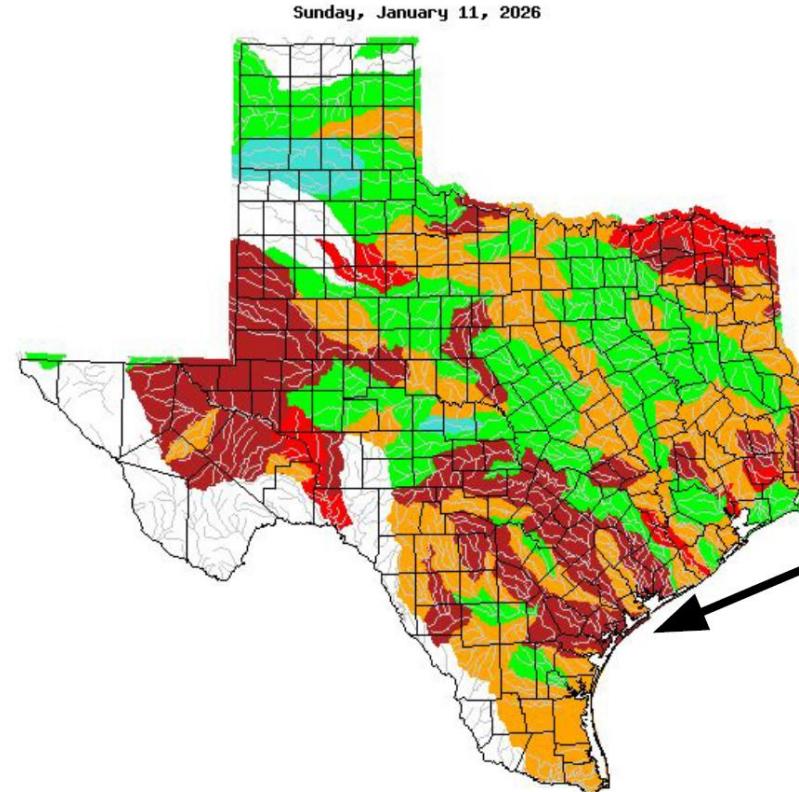
National Weather Service  
Corpus Christi, TX

# National Weather Service Update



## 7-Day Streamflow Anomaly

January 12, 2026  
8:57 AM



**Below normal to much below normal streamflow anomalies across the watershed.**

Explanation - Percentile classes							
Low	<10	10-24	25-75	76-90	>90	High	No Data
	Much below normal	Below normal	Normal	Above normal	Much above normal		



National Oceanic and Atmospheric Administration  
U.S. Department of Commerce

National Weather Service  
Corpus Christi, TX

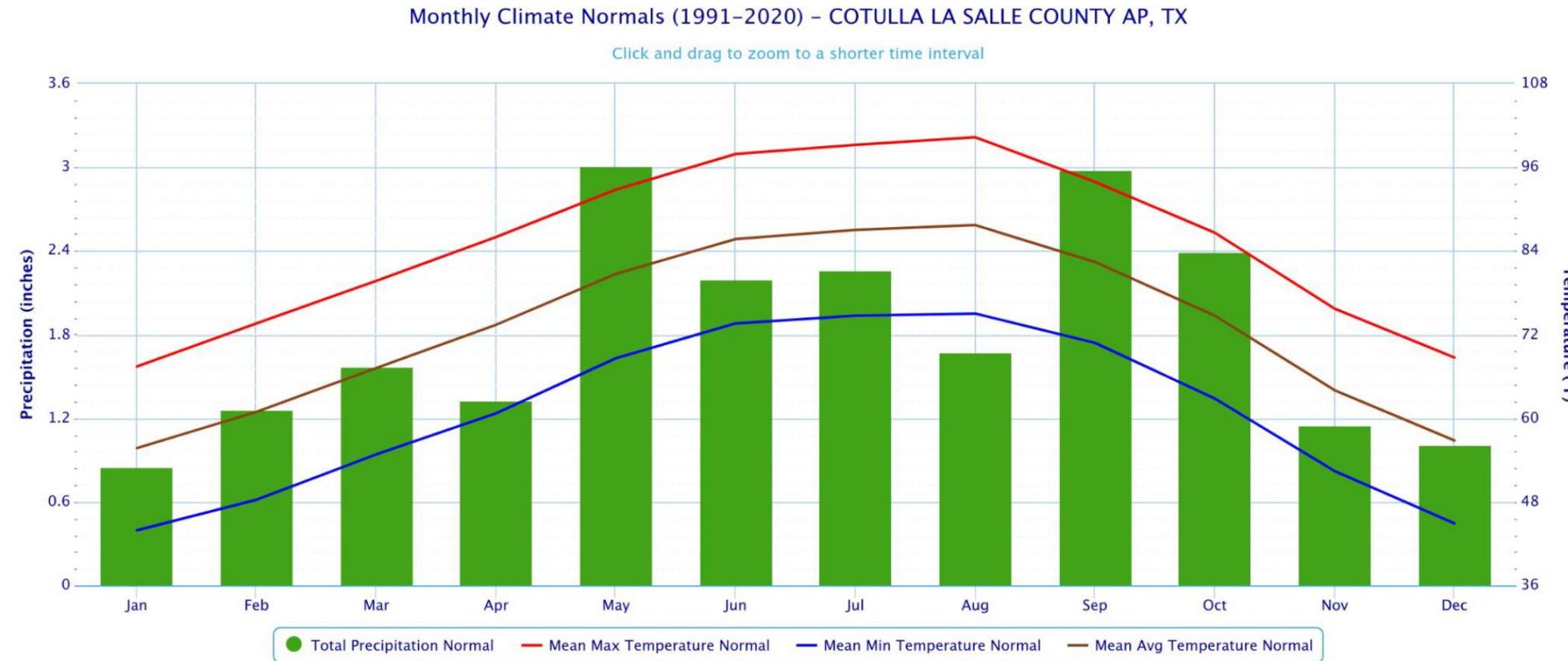
# National Weather Service Update



## Climatological Precipitation

Cotulla

January 12, 2026  
8:57 AM

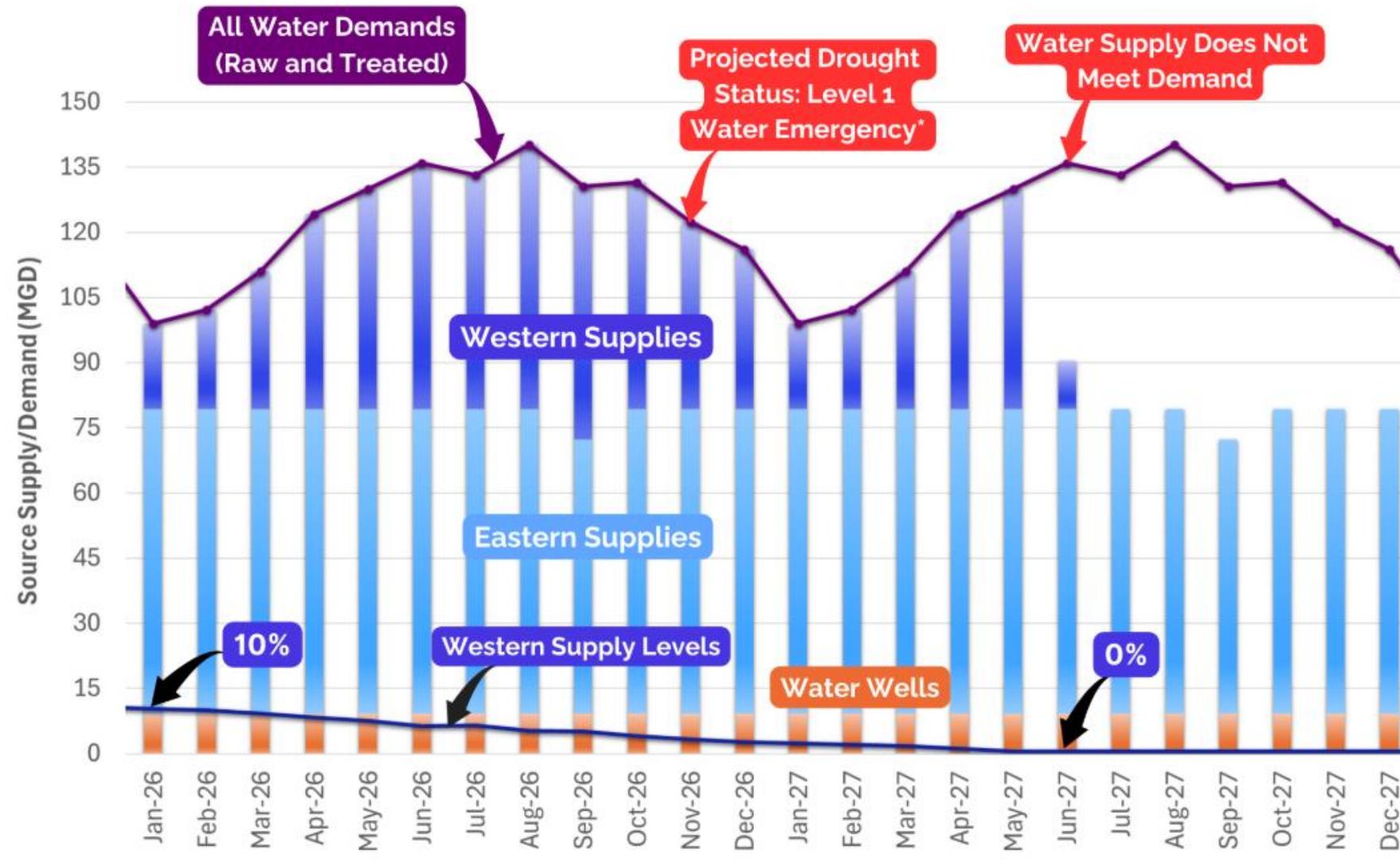


National Oceanic and  
Atmospheric Administration  
U.S. Department of Commerce

Powered by ACIS

National Weather Service  
Corpus Christi, TX

# Water Supply Dashboard



# Lake Texana

- Extended Dry Period is forecasted
- Historical Rain typically occurs in March/April
- Reservoir capacity is projected to reach 50% by April 3, requiring a 10% reduction in water usage
- Weekly updates provided to CCW by the Lavaca-Navidad River Authority (LNRA)
- Monthly meetings scheduled with LNRA and Formosa

January 12, 2026

At 1000 hours this date	2025	2024
Elevation Lake Texana	37.37	39.37
Release (cubic feet per second)	0	0
Reservoir Capacity (acre-feet)	105,181	121,167
Reservoir Capacity (percent)	64	74

LAVACA-NAVIDAD RIVER AUTHORITY  
FORECASTING OF RESERVOIR WATER SUPPLY  
(FOR ESTIMATING ONLY)

ENTER START DATE OF FORECAST  
8-Jan-26

ENTER CORRESPONDING LAKE ELEVATION  
37.51 MSL

106,249 AC-FT ~ Current capacity  
64.68% of Reservoir capacity

99,483 AC-FT ~ Adjusted capacity for dead-pool storage

ENTER CURRENT RESERVOIR CONDITIONS DATA TO BE USED IN BOXES BELOW.

Avg Daily Inflow (AC-FT)	Avg Daily Rainfall (INCHES)	Avg Daily Evaporation (INCHES)	Avg Daily B&E (AC-FT)	Avg Daily East M&I (AC-FT)	Avg Daily West M&I (AC-FT)
2.00	0.000	0.123	6.15	85.50	138.80

84.50 *Agreement rate maximum*

current      adjusted       $\Delta$  capacity

OR      days      Enter any trigger elevation here

N/A      OR      N/A      days      ELV 43.00' MSL ~ End of Interruptible water delivery trigger

N/A      OR      N/A      days      ELV 40.23' MSL ~ Begin using 5 cfs for the B&E daily agreement rate maximum

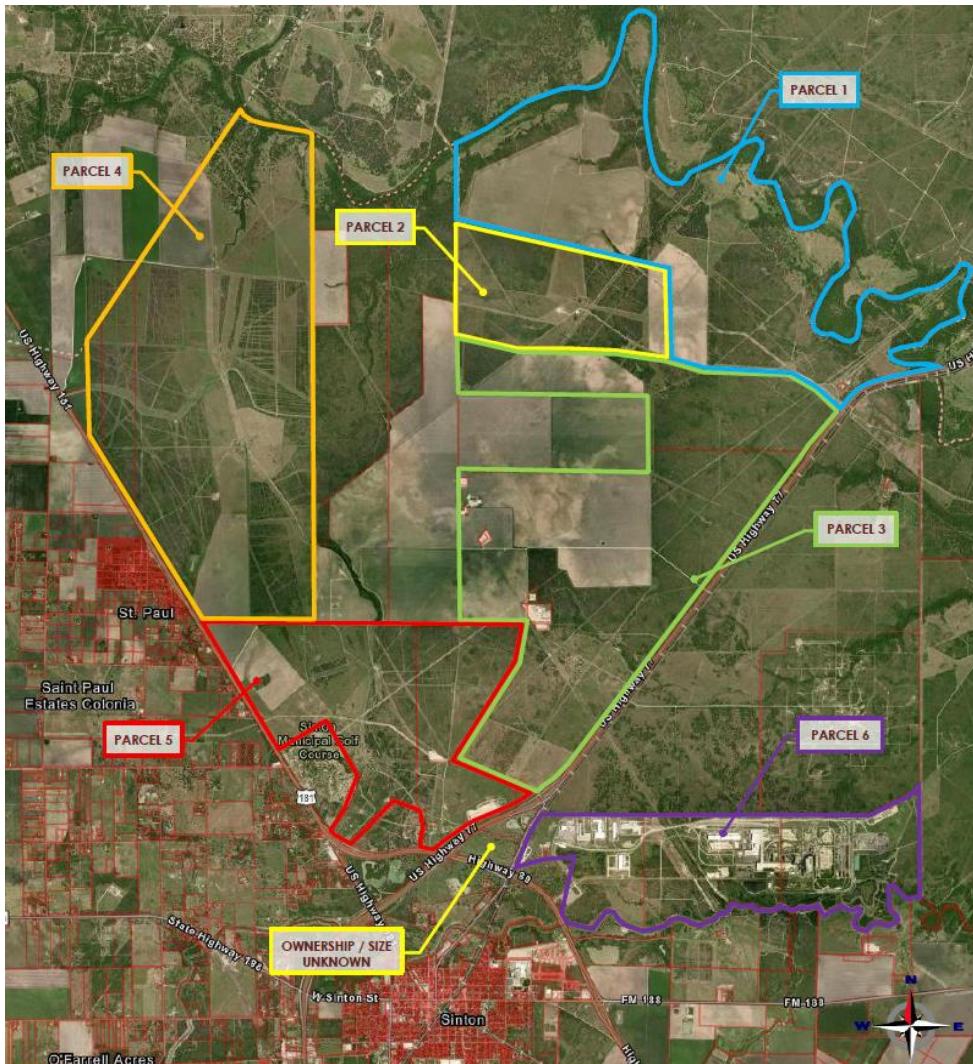
3-Apr-26      OR      85      days      ELV 34.09' MSL ~ 50% capacity, begin drought contingency plan water restrictions

1-Jun-26      OR      144      days      ELV 31.33' MSL ~ 40% capacity, next step in water restrictions

1-Aug-26      OR      205      days      ELV 28.10' MSL ~ 30% capacity, next step in water restrictions

2-Oct-26      OR      267      days      ELV 24.27' MSL ~ 20% capacity, next step in water restrictions

# Evangeline Groundwater Project



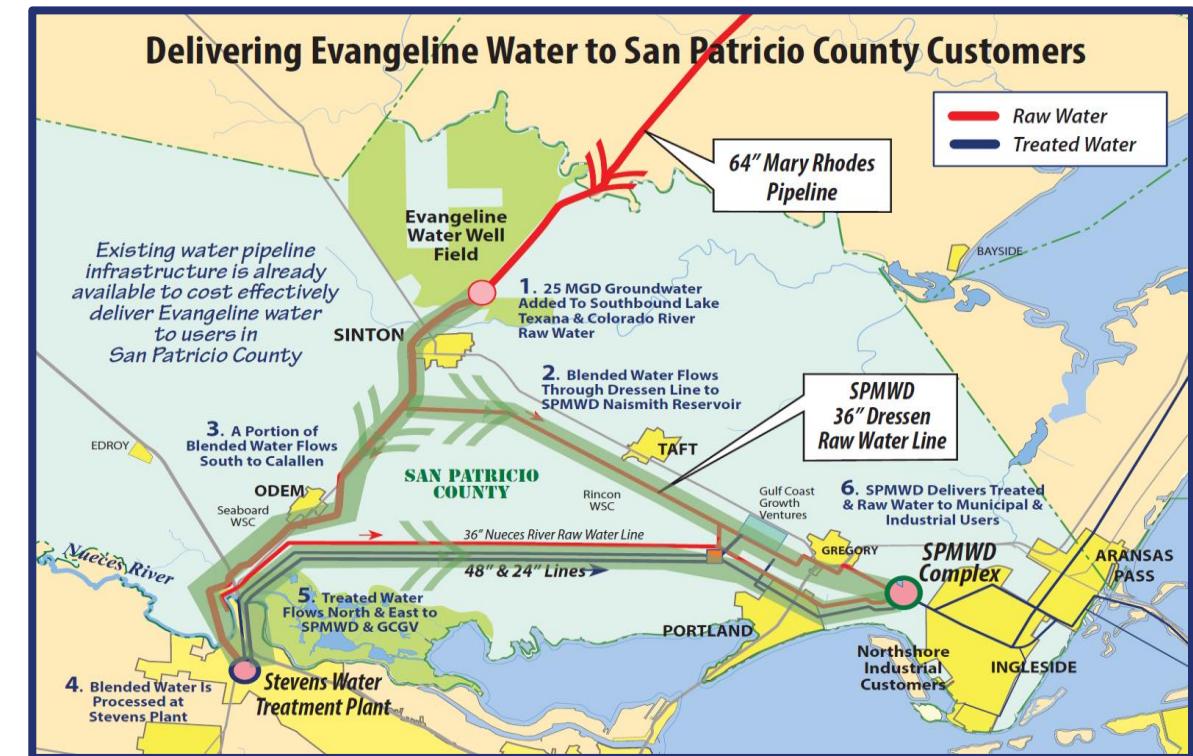
## Project Overview:

- Purchase of groundwater rights with existing production permits for 24 MGD
- The production permit was approved by the San Patricio Groundwater Conservation District (SPGCD) on May 16, 2019 and was renewed on January 21, 2025
- 22 Drilling permits and a transport permit application were submitted on December 12, 2025 but have not yet been declared administratively complete
- SPGCD public hearing and board meeting is scheduled for January 16, 2026
- Approval of the drilling permits is required no later than February 6; otherwise, the construction schedule will be impacted

# Evangeline Groundwater Project

## Upcoming Actions:

- SPGCD Public Hearing and Board Meeting is scheduled for January 16
- Evangeline Laguna LP continues mediation with the landowners
- Continued discussions with the SPGCD
- Pape-Dawson continues design with pre-construction services provided by Garney
- Contract amendments with Pape-Dawson and Garney are expected to be presented to Council for consideration in February 2026
- Ongoing weekly meetings with Evangeline Laguna LP
- Multiple weekly design meetings with the Pape-Dawson design team continue



# Nueces Groundwater Program

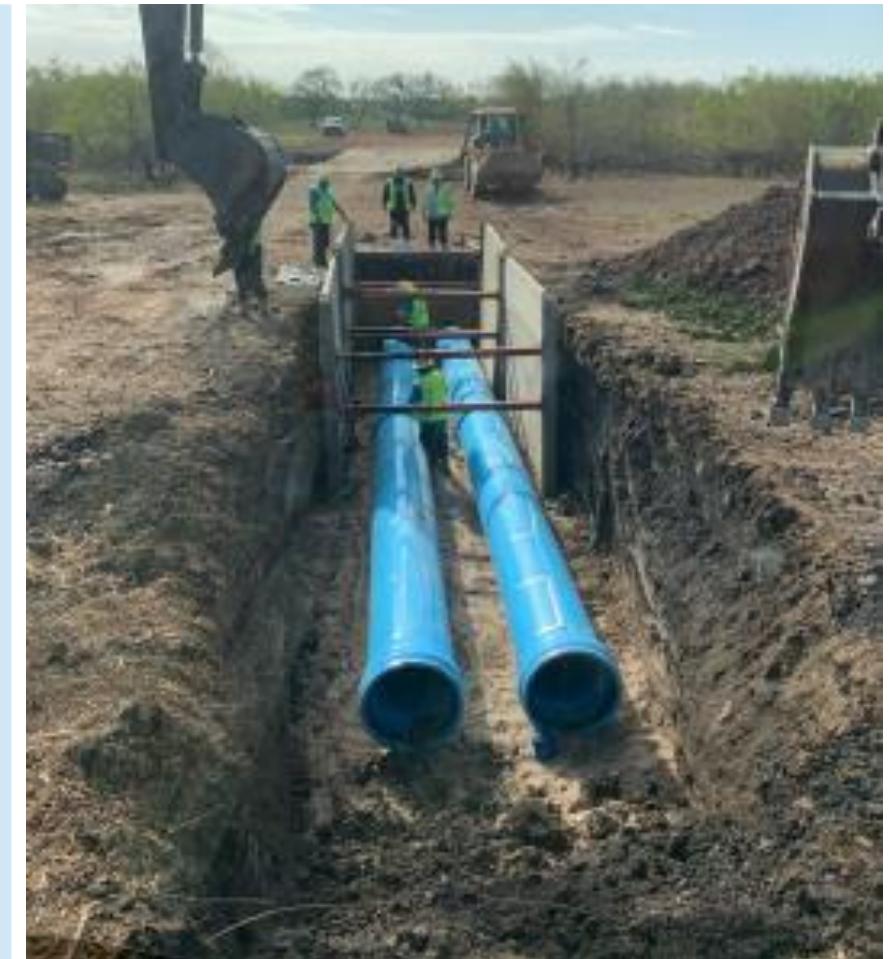
## Eastern Well Field

- Well field is substantially complete and operated per the conditions of the Bed and Banks Permit
- Current expenditures: \$16,636,718\*

## Western Well Field:

- Bed and Banks Permit – Staff and consultants have been working to complete the application and schedule review meetings with Texas Commission on Environmental Quality
- Well Nos. 9, 10, 11, 12, 13 have been drilled with one pump installed and other permanent pumping assemblies designed
- Currently Drilling Well Nos. 14, 15, 16
- Interior Well Field Piping is in progress by CCW Crews
- Permanent Power for up to 7 wells is expected by mid-February through Nueces Electric Cooperative (NEC)
- Full Well Field operation is expected in May 2026
- Current expenditures: \$16,720,235\*

*\*\$30M grant funding secured from the State of Texas*



# Well Field Monitoring Program

## CCW Partnership with Area Well Owners to:

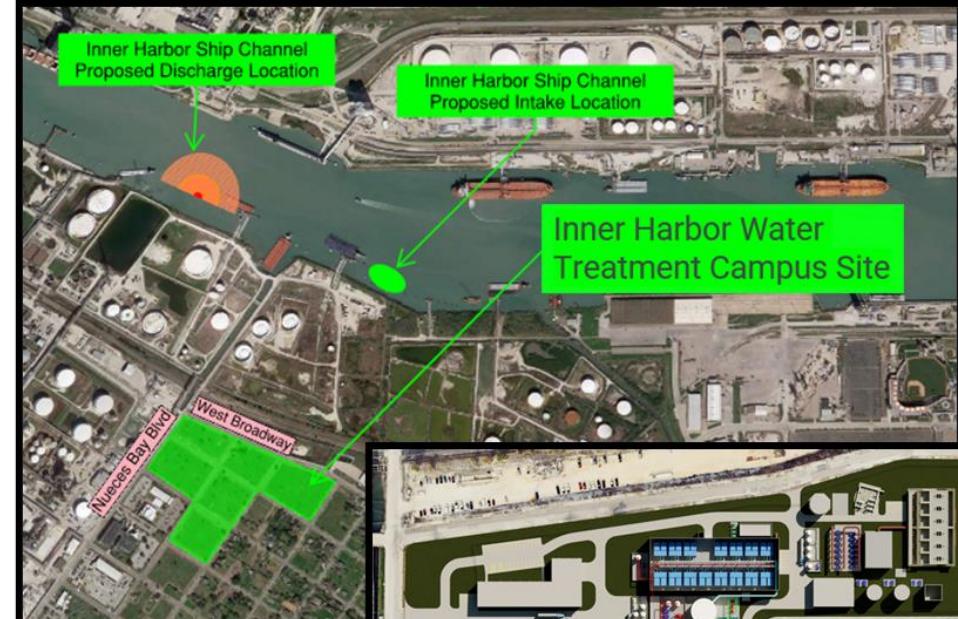
- Assist Well Owners with periodic water level monitoring
- Assist Well Owners with water quality data sampling
- Review well construction information with Well Owners
- All data to be provided to the Well Owners
- Data to be utilized to track and monitor operating conditions and water levels
- Impacts confirmed by the data resulting from CCW well field operation would then be remedied
- CCW is currently working with multiple Well Owners



For information, contact CCW at 361-826-1600

# Inner Harbor Seawater Desalination Project

- Memorandum of Understanding Signed Executed by Corpus Christi Desal Partners and City on December 4
- Cost certain options are expected to be reviewed at the February 24 Council meeting
- Weekly meetings occurring to:
  - Review of all existing work product
  - Process Improvement Considerations
  - Pretreatment Options
  - Review of previous design and location of the intake pump station
  - Alignment of production water line to Navigation pump station



# Far Field Advisory Process

- The purpose of the Committee is to provide input and to ensure a collaborative and transparent analysis and interpretation of the Far Field Model process
- Key Elements:
  - Professional Facilitator – SWCA Environmental Consultants
  - Technical Experts – Plummer Associates, Inc
  - Diverse Advisory Committee
  - Far Field Model – Scope includes modeling bay system and ship channel

# Far Field Advisory Committee

<b>City Council Selections</b>	<b>Committee Members</b>
Mayor	Carl Crull
Vaughn	Greg Smith
Scott	Stacey Hester
Barrera	Ron Guzman
Roy	Jahvid Motaghi
Campos	Jessica Palitz
Cantu	Jason Hale
Paxson	Brad Bartlison
Hernandez	Jeff Pollack

<b>City Manager Selections</b>	<b>Committee Members</b>
Coastal Bend Bays and Estuaries Program	Kiersten Stanzel
Harte Research Institute	Dr. Greg Stunz
Texas State Aquarium	Jesse Gilbert
University of Texas Marine Science Institute	Sharon Herzka
North Beach	Carrie Meyer
NAACP	Deanna King
Hillcrest	Lamont Taylor
Business/Commercial	David Loeb
Coastal Bend Industry Association	Roger TenNapel

# Far Field Model Limits



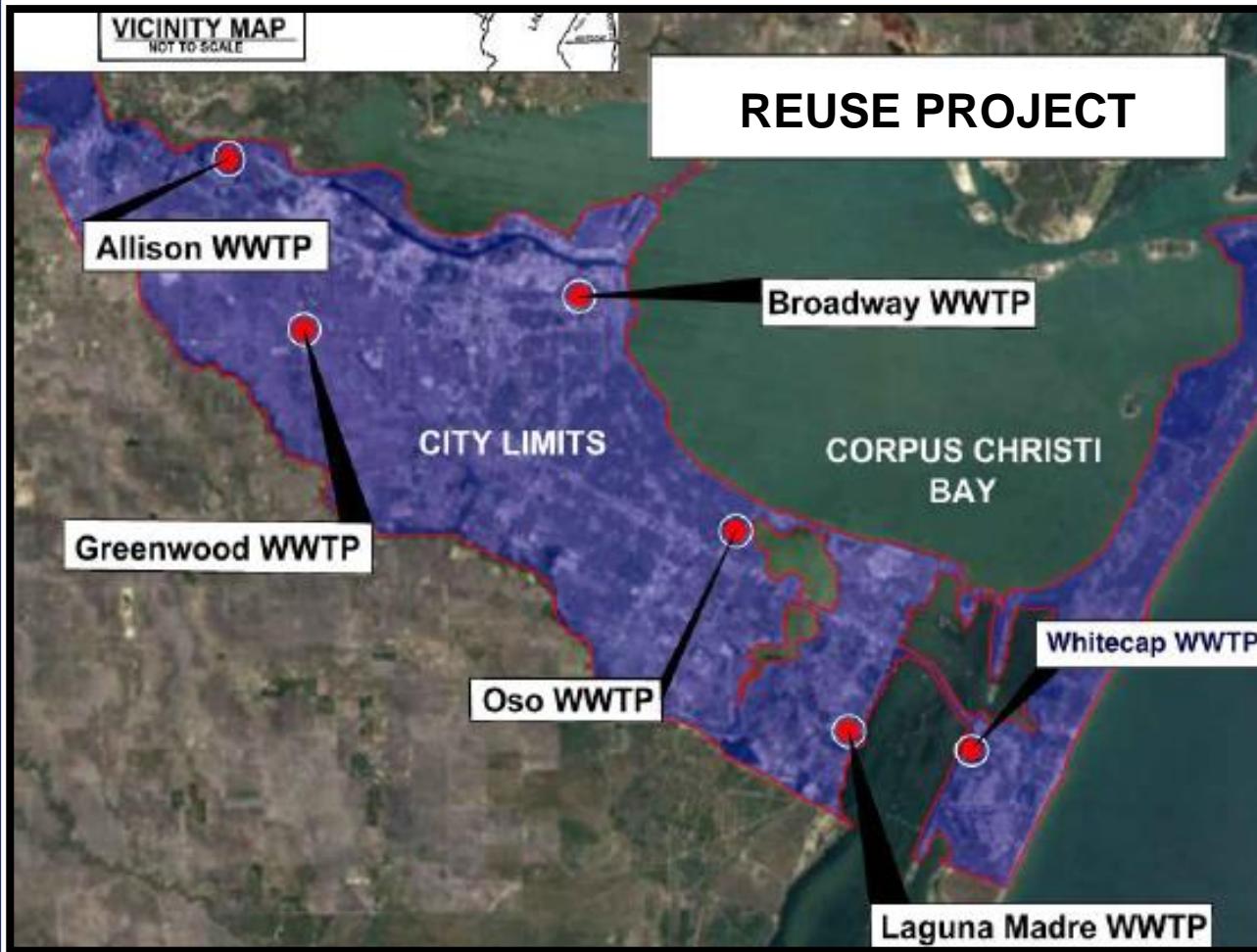
# Far Field Modeling Timeline

## Key Meetings and Milestones:

- January: Meeting – Introductions, expectations and timeline  
DRAFT scope document and modeler options submitted for review
- February: Meeting – Review scope and modeler comments  
Final scope document completed and modeler selected
- March: Meeting – Expectations meeting with modeler  
Bi-weekly model status update meetings begin
- April: DRAFT model report submitted for review  
Meeting – review comments and finalize report  
Final model report submitted and presented at City Council

**Meeting Location:** City Hall

# Reclaimed Water Infrastructure

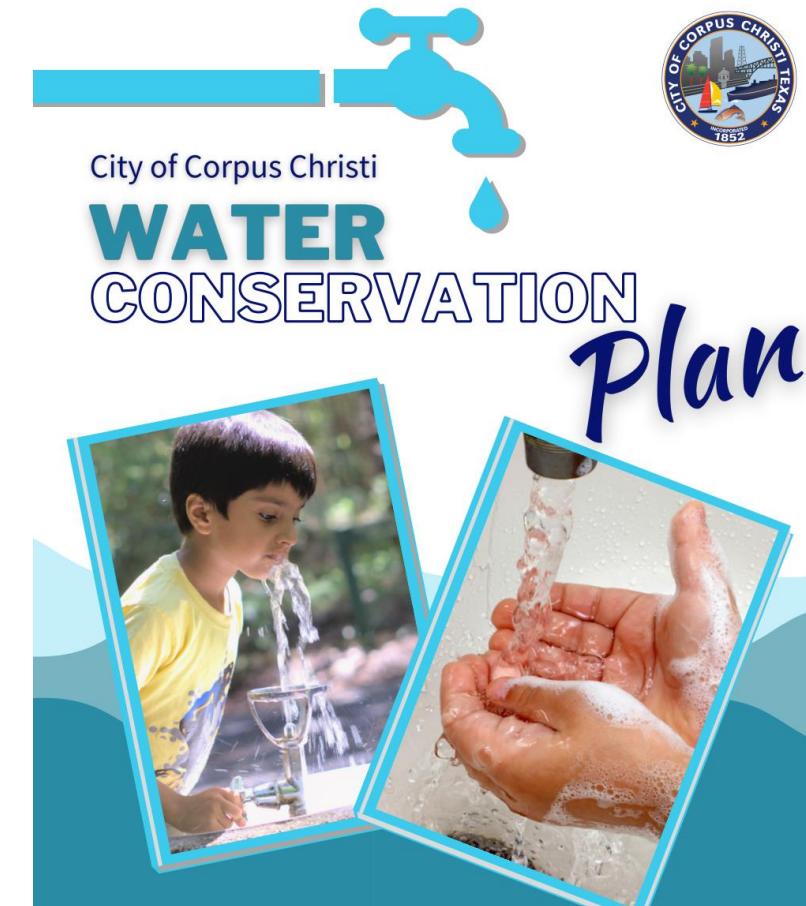


- CCW has been in discussions with multiple entities regarding the use of effluent water from wastewater treatment plants, with the first agreement to be presented to Council for consideration on January 13
  - Allison WWTP – 3 MGD
  - Greenwood WWTP – 3 MGD
- Design continues design of a conveyance line, storage tank and pump station to deliver effluent from the Oso Wastewater Treatment Plant to Greenwood
  - Oso WWTP – 10 MGD

# Water Conservation Plan

## Overview:

- Advisory Committee Meeting scheduled for January 23
- Committee members have all been notified and asked to review the existing water conservation plan
- Goal is to present the updated conservation plan to Council for consideration in April 2026



# Water Conservation Plan

## Advisory Committee

<b>City Council Selections</b>	<b>Committee Members</b>
Mayor	Jace Tunnel
Barrera	Moses Mostaghasi
Scott	John Hanzalik
Vaughn	Andy Taubman
Roy	Laura Commons
Campos	Jake Hernandez
Cantu	George Finley
Paxson	Gail Anderson

<b>City Manager Selections</b>	<b>Committee Members</b>
Michael Womack	Botanic Garden
Jesse Jenkins	Landscape and Nursery
Randy Wright	Portland Community
Michael Esparza	Alice Community
Cedric Davis	Matthis Community
Andy Joslin	Beeville Community
Michael Miller	Business Commercial
Bob Paulison	Coastal Bend Industrial Association
Mallory Lightsey	San Patricio Municipal Water District

# Water Supply Project Website

[securingwater.corpuschristitx.gov](http://securingwater.corpuschristitx.gov)



[Home](#) [Surface Water](#) [Seawater Desalination](#) [Groundwater](#) [Wastewater Reuse](#) [Resources](#)

## Evangeline Groundwater Project

The City established a groundwater rights agreement with Evangeline/Laguna, LP, working in partnership with City of Sinton and the St Paul Water Supply Corporation. This project represents a significant step forward in transforming the region's water security.

This agreement provides access to substantial groundwater rights, helping secure a reliable water supply for Corpus Christi. The Evangeline Project involves securing necessary transportation and drilling permits before construction can begin. Engineering firms are working on the design and implementation of this water infrastructure project to ensure it meets all regulatory requirements.



## Project Updates

[Evangeline Groundwater Project](#)

[Nueces Groundwater Wells](#)



