

# Water Supply Projects Update

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Chief Operating Officer – Corpus Christi Water

March 24, 2026

# Discussion Topics

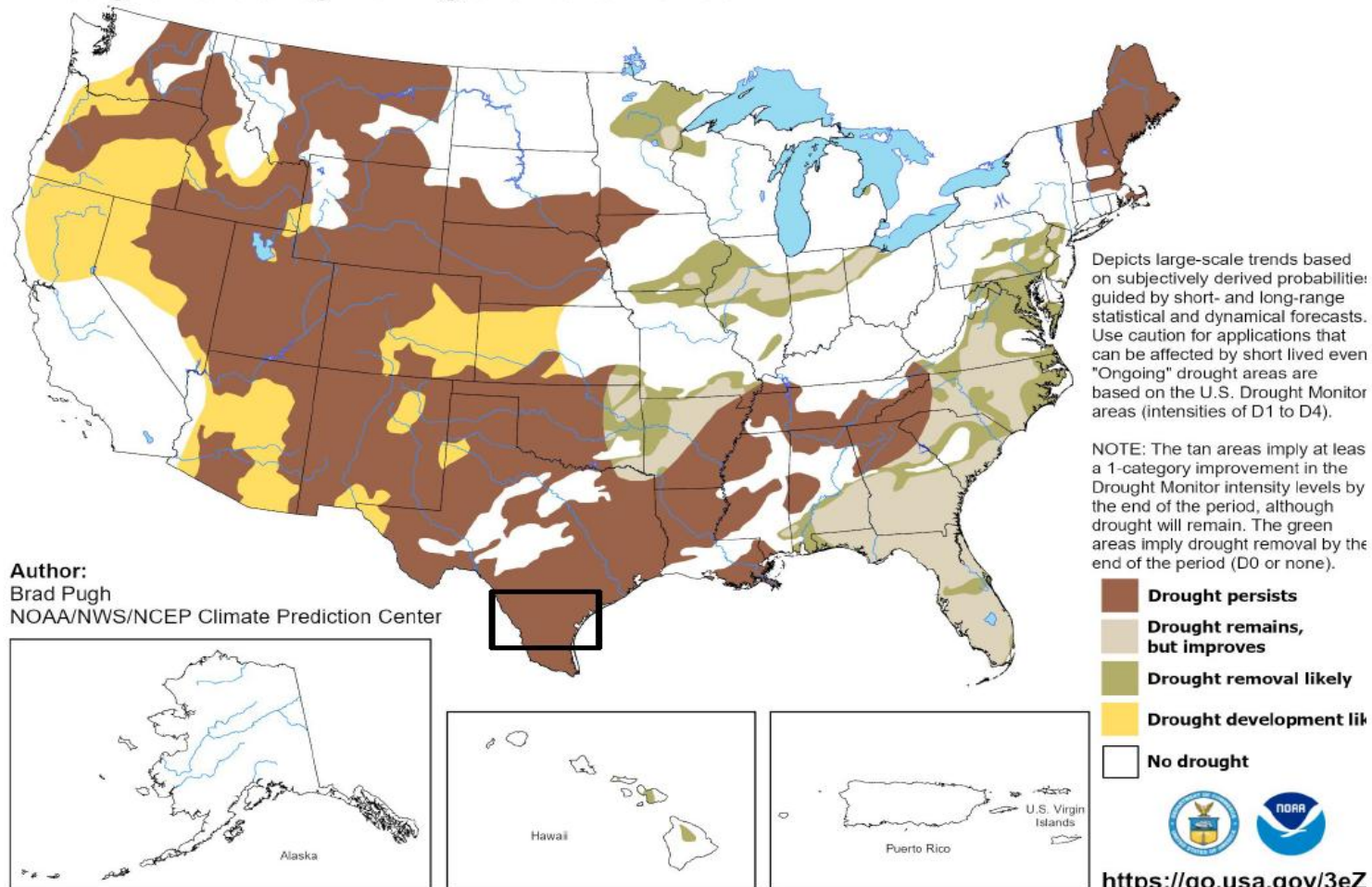
- National Weather Service Update
- Surface Water Supply Lake Texana, Western Reservoirs
- Evangeline San Patricio Groundwater Program
- Groundwater Supply
- Nueces Groundwater Program
- Brackish Groundwater Reverse Osmosis
- Wastewater Reuse
- Inner Harbor Seawater Desalination
- Harbor Island Seawater Desalination



# National Weather Service Update

## U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

Valid for March 19 - June 30, 2021  
Released March 19, 2021



<https://go.usa.gov/3eZ>



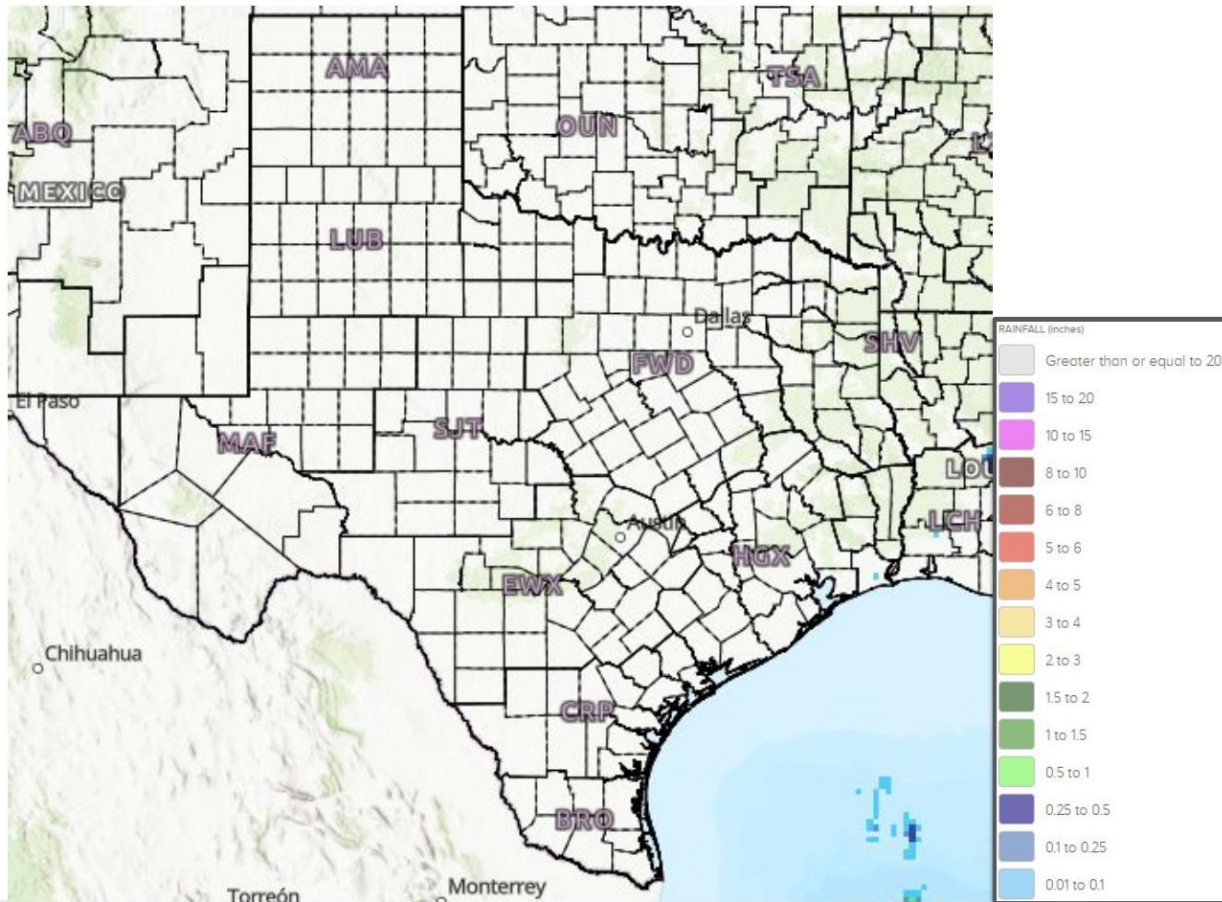
# National Weather Service Update



## Past 7 Days Observed Rainfall

March 23, 2026  
8:49 AM

Across the State



- No rainfall accumulations across the entire state over the last 7 days.

# National Weather Service Update



## Cotulla Year-End Rainfall vs Normal

March 23, 2026

5:21 AM

Normal Calendar Year Rainfall: 21.68"

Calendar Year	Observed Year-End Rainfall	Difference between Normal	Highest Drought Classification (La Salle County)
2020	20.13"	-1.55"	D3 (Extreme)
2021	17.34"	-4.34"	D4 (Exceptional)
2022	18.45"	-3.23"	D4 (Exceptional)
2023	18.53"	-3.15"	D3 (Extreme)
2024	18.65"	-3.03"	D2 (Severe)
2025	14.99"	-6.69"	D3 (Extreme)

- Total 5 year rainfall deficit: 21.99 inches
- For 2026, Cotulla has 2.52" deficit compared to normal precipitation
  - Observed to date: 0.72"
  - Normal Rainfall to date: 3.24"

# Surface Water

# Surface Water Supply

## Lake Corpus Christi & Choke Canyon Reservoir

### Daily Reservoir and Pass-Thru Status Report March 23, 2026

- Lake Corpus Christi capacity is 9.3%
- Choke Canyon Reservoir capacity is 7.9%
- Combined Capacity is 8.3%



### Choke Canyon Reservoir



# Surface Water Supply

## Lake Texana



**March 24 Reservoir Capacity**  
**55%**

### **Projected Dates**

Below 50% - April 10, 2026

Below 40% - June 17, 2026

# Groundwater

# Nueces Groundwater Program

## Eastern Well Field

- Well field is substantially complete and operating per the conditions of the Bed and Banks Permit
- Last Seven Days Average is 4.4 MGD

## Western Well Field

- Bed and Banks Permit – Temporary Issued March 18, 2026
- Well Field Producing approximately 4.5 MGD since March 19, 2026
- Expecting to have 4 wells online by the end of March
- Expecting to have 6 wells online by mid-April
- Full Well Field operation is expected in May 2026
- Average depth of cemented casing is 515'



# Eastern Well Field

## Monitoring Aquifer Levels and Subsidence



# Western Well Field

## Monitoring Aquifer Levels and Subsidence



# Well Field Monitoring Program

## CCW Partnership with Area Well Owners

### What to Expect During Your Well Test

Watch our team walk through the testing process.



### Everything Included at No Charge

#### Well Depth Assessment

Evaluates the structural integrity and capacity of your well. Testing can be scheduled quarterly to monitor changes in water levels over time.

#### Water Quality Testing

Ensures your water meets all safety and environmental standards. Our free testing screens for:

- Total Coliform
- E. Coli
- Dissolved Solids
- Chlorides
- Nitrite/Nitrate
- Sulfate
- Arsenic
- Uranium

#### Official Lab Reports

Getting tested is simple. Reach out by phone or email to confirm your eligibility and book a convenient appointment.

### Schedule Your Free Well Test

Getting tested is simple. Reach out by phone or email to confirm your eligibility and book a convenient appointment.

#### Water Hotline

(361) 826-1600

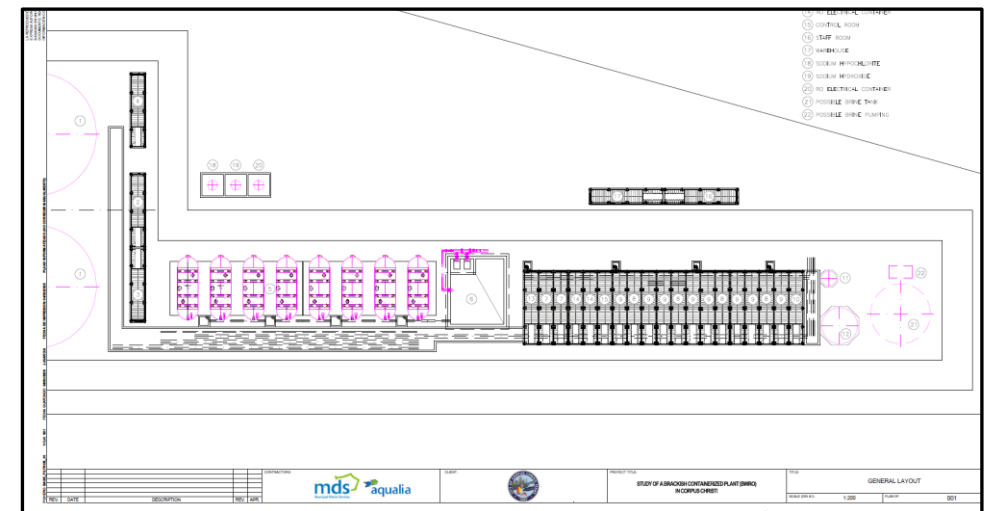
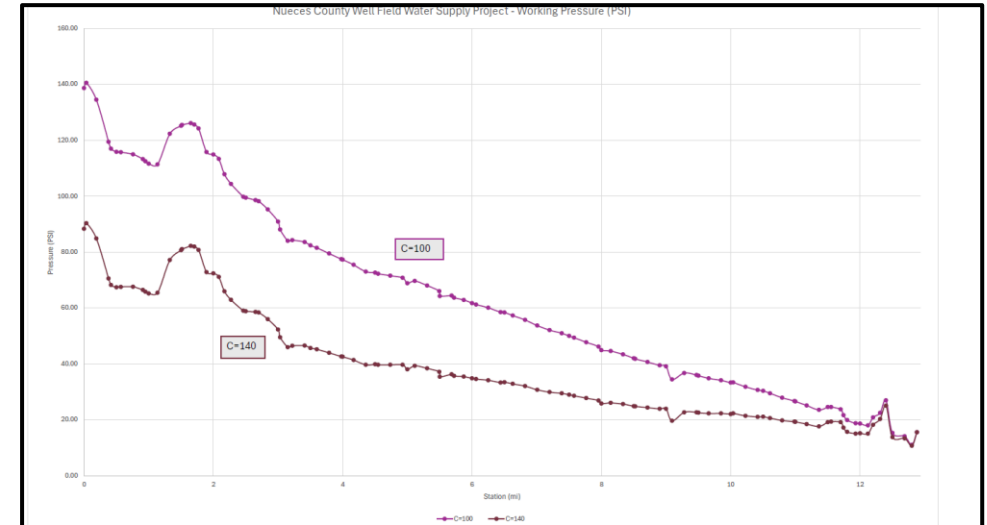
#### Email Us

CCWgroundwater@cctexas.com

[Securingwater.corpuschristitx.gov](https://securingwater.corpuschristitx.gov)

# Brackish Ground Water Treatment

- Permitting Meetings with TCEQ
  - Reverse Osmosis Treatment
  - Discharge including evaporative ponds, injection well, and surface discharge
- Extensive review of water quality by Aqualia
- Conveyance Line Design and Construction
- Ground Storage Tanks
  - Western Well Field & ONSWTP
- Pump Station at Western Well Field
- ONS Civil, Piping, and Foundational
- Electrical

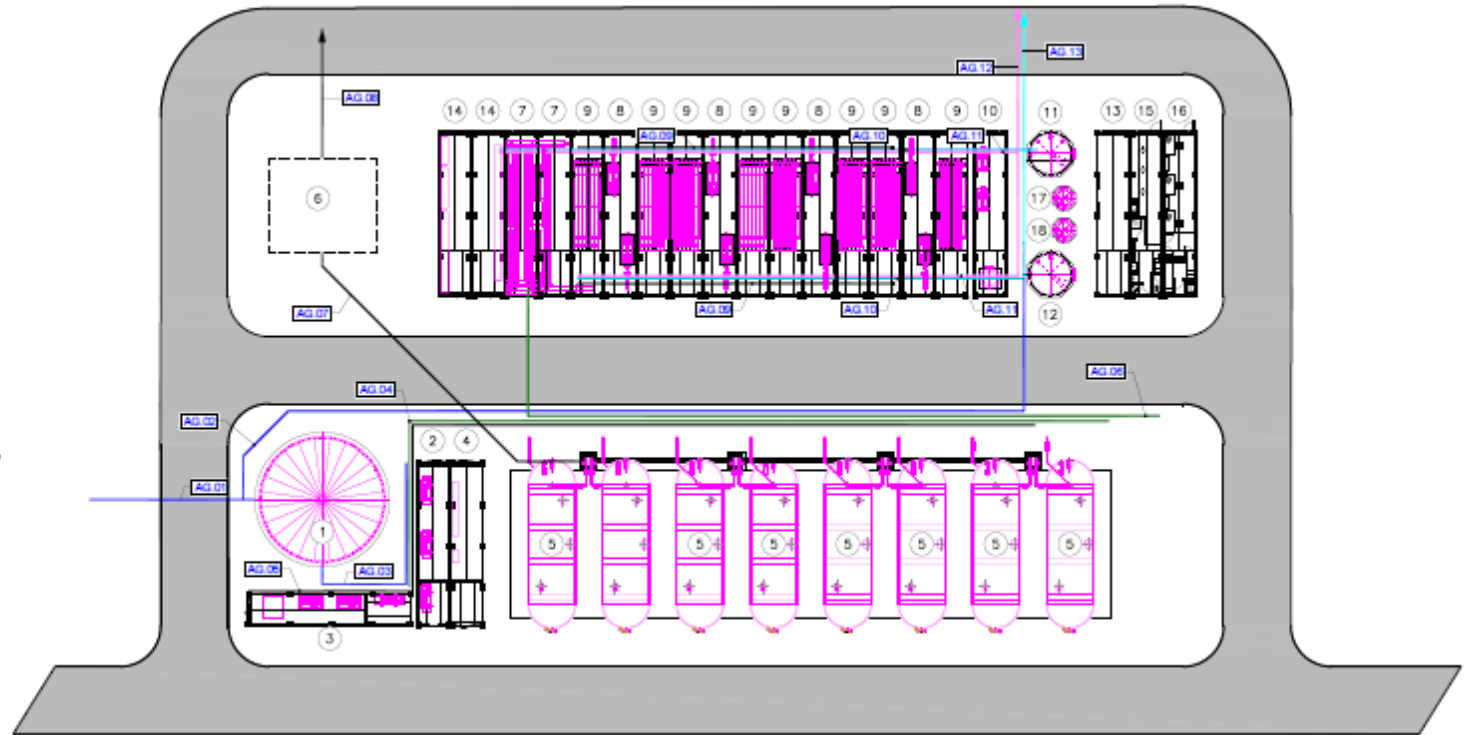


# Brackish Water Treatment Plant

## Project Scope - Groundwater Reverse Osmosis

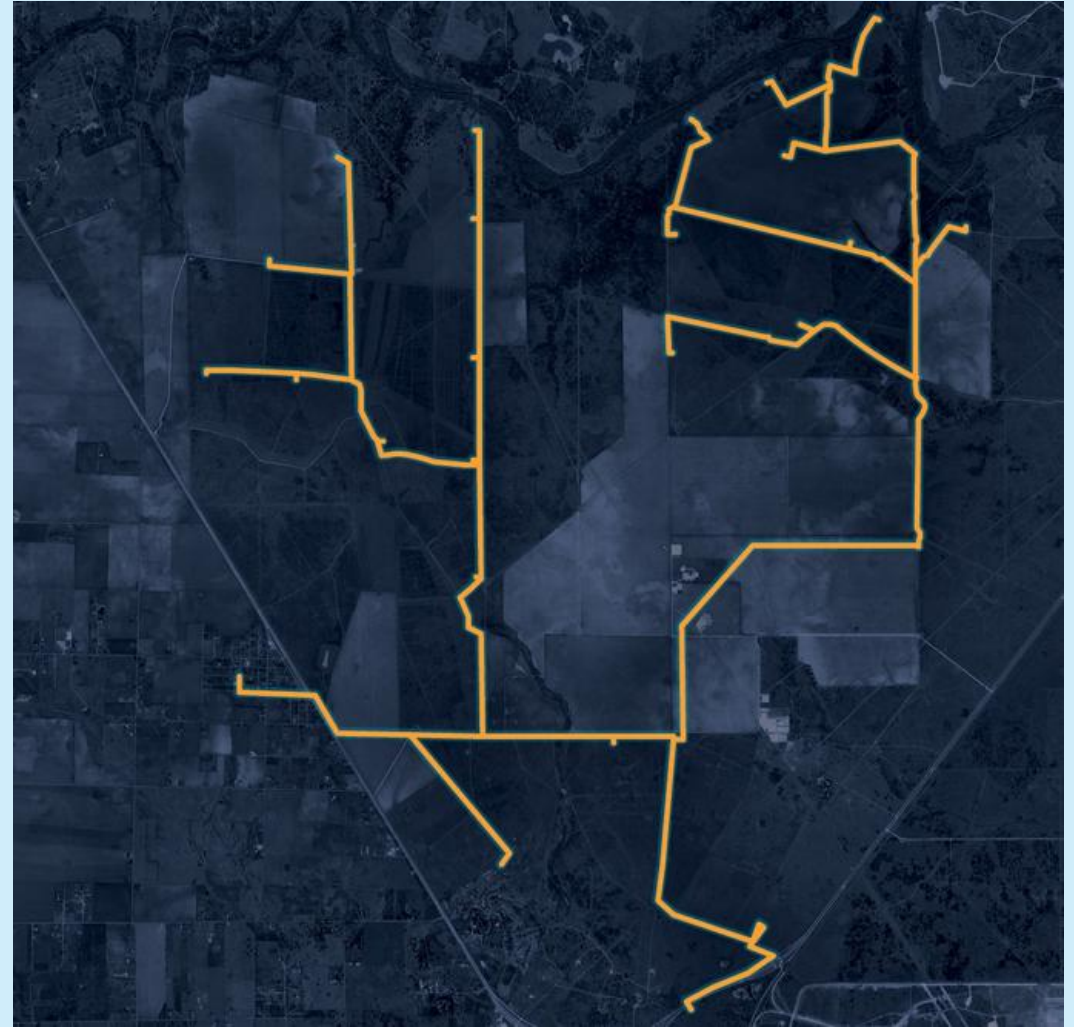
### Treated Water Delivery Schedule

- 3.91 MGD in 11 Months
- 9.24 MGD in 14 Months
- 14.56 MGD in 18 Months
- 21.3 MGD in 24 Months



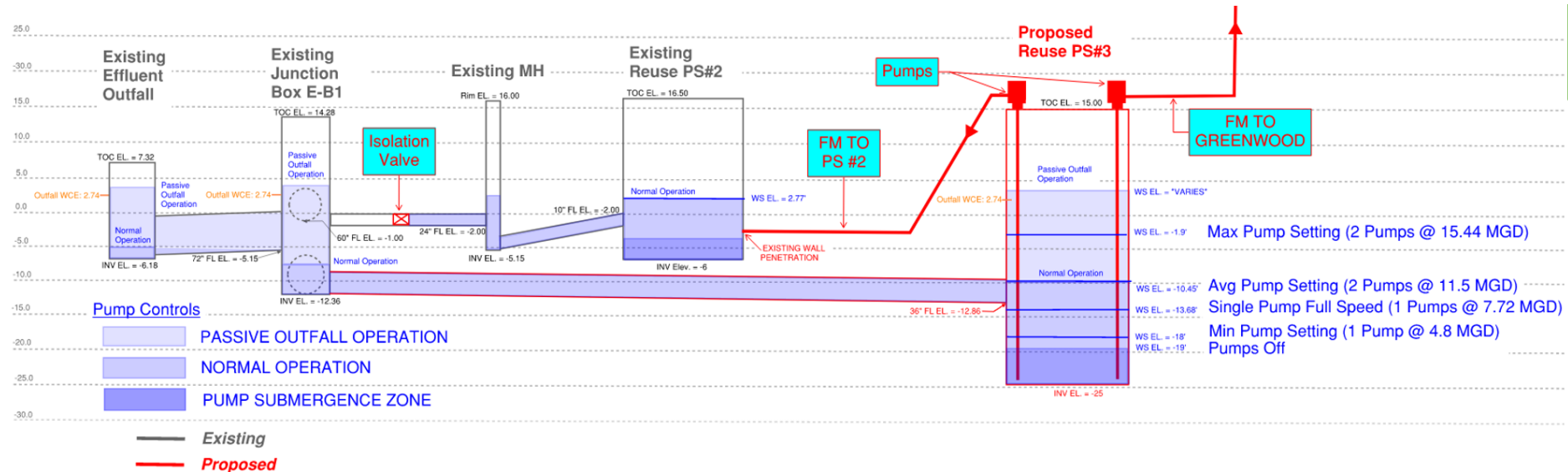
# Evangeline Groundwater Project Permit & Contractual Update

- The selected administrative law judge for the preliminary hearing
- Motion issued by seller's attorney to set the preliminary hearing date on March 31 or, as an alternate, April 9
- Amendments 1 & 2 have been approved for Garney Construction
- Garney construction will mobilize construction trailers to the site in early to mid-April
- HDPE pipe is being fabricated with the first delivery expected this week
- Garney has issued subcontracts to key contractors and equipment suppliers



# Effluent Reuse

# Wastewater Reuse Project Overview



- CCW continues to coordinate and work with Valero and FHR on the effluent project
- CCW continues to negotiate with additional entities to ensure project alignment, alongside ongoing work with Valero and FHR
- FHR expects Phase One at 1 MGD and Phase Two at 2-3 MGD
- Valero expects Phase One at 3 MGD and Phase Two at 8 MGD
- Ardurra has completed preliminary design of Oso upgrades and 15 miles of 36" conveyance line, with full design expected to be complete in July
- Staff and Ardurra are working towards contractor evaluation and construction under the CMAR process
- Potential for 16 MGD of Effluent Reuse

# Seawater

# Inner Harbor Seawater Desalination Project Overview

- **Path forward was reviewed at the February 24 Council meeting**
  - Staff is working to prepare a contract with CCDP for consideration during an April Council meeting
- **Farfield Modeling**
  - Committee Meeting scheduled for April 3
  - Data available from the modeler is available in April for review, with a report to follow
- **Owners Representative**
  - Qualifications received and under selection panel review
  - Owner's representative Contract would be presented for council consideration in April 2026
- **Operations and Maintenance Agreement**
  - Request for proposal to be developed
  - Request for proposals to be issued after April 2026



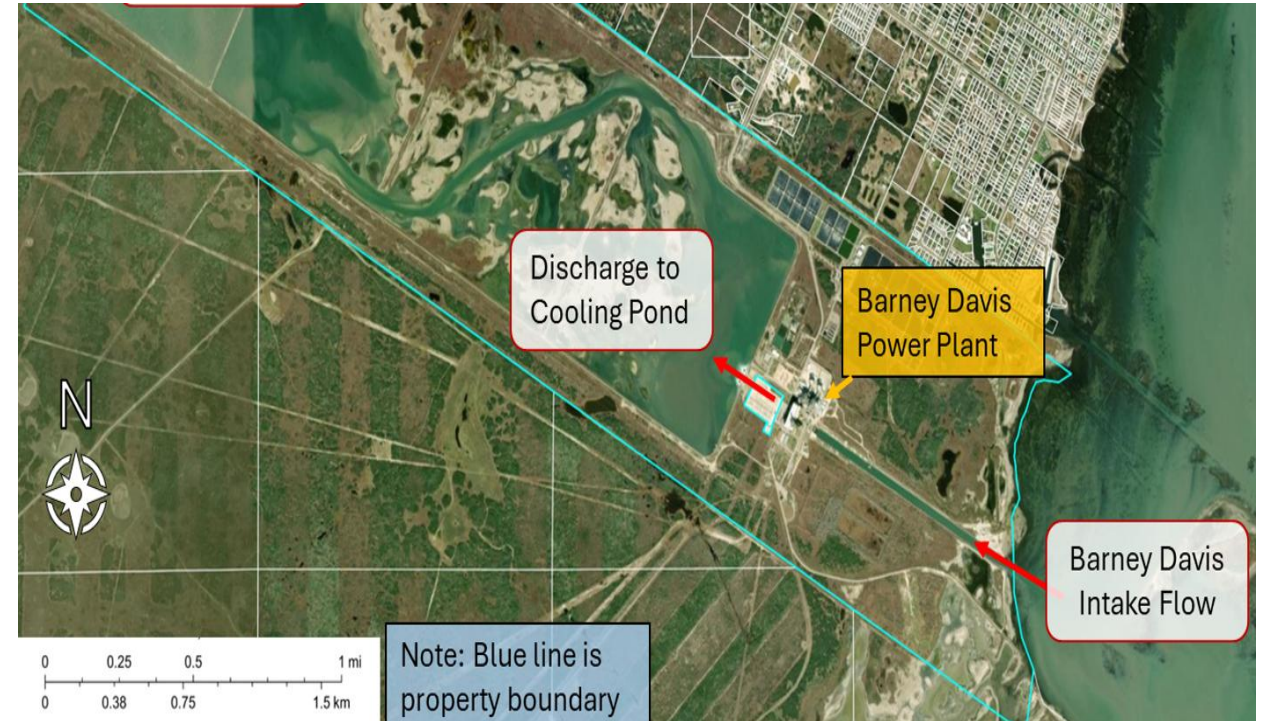
# Harbor Island Seawater Desalination Project Overview

- The Nueces River Authority (NRA) has issued a formal RFQ for the development partner and received four responses
  - NRA anticipates selecting this development partner by mid-June
- NRA approved a Master Service Agreement with Lockwood Andrews and Newman for services associated with the Harbor Island Conveyance System
- TCEQ has issued a notice regarding an application for a water use permit for the Harbor Island Seawater Desalination Project
  - Permit would authorize the diversion and use of 350,000 acre-feet of water per year from a point in the Gulf for municipal and industrial purposes in Aransas, Nueces, and San Patricio Counties
  - The application, technical data, and the Executive Director's draft permit are available on the TCEQ web page: <https://www.tceg.texas.gov/permitting/water-rights/wr-permitting/view-wrpend.apps>
  - The NRA expects TCEQ to issue the draft discharge permit by the end of February

# Barney Davis Seawater Desalination

Motion to Authorize Staff to Collaborate with CPS Energy to Develop Option for Seawater Desalination at the Barney Davis Location was approved on March 17

- CPS Energy to discuss with its board of directors and issue a reciprocal motion
- CPS has stated the preference would be for P3 to operate
- Power agreement would be with an electrical provider
- Long-term supply Agreement with a P3
- Possibility of creating a Public Utility Agency to develop the project
- New TCEQ Discharge Permit would be required





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**CORPUS CHRISTI  
WATER**