

Water Supply Projects Update

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March 17, 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

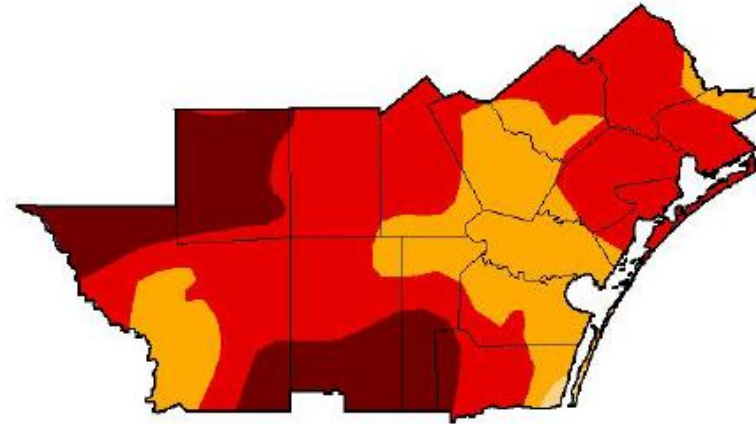


National Weather Service Update

U.S. Drought Monitor
Corpus Christi, TX WFO

March 10, 2026
(Released Thursday, Mar. 12, 2026)
Valid 8 a.m. EDT

- **Exceptional Drought** - Isolated portions of the southern Coastal Bend and northwestern Brush Country
- **Extreme Drought** - Most of the Brush Country and Coastal Plains
 - Includes Choke Canyon
- **Severe Drought** - Portions of the Coastal Plains and Coastal Bend
 - Includes Lake Corpus Christi
- **Moderate Drought** - Limited to far southeastern Kleberg and Padre Island
- **Abnormally Dry** - None.



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	100.00	99.66	73.27	21.29
Last Week 02-09-2026	0.00	100.00	100.00	99.66	73.27	21.29
3 Months Ago 12-09-2025	0.00	100.00	100.00	79.83	9.09	0.00
Start of Calendar Year 01-06-2026	0.00	100.00	100.00	83.57	33.92	0.00
Start of Water Year 09-30-2025	3.40	96.60	46.88	11.50	1.10	0.00
One Year Ago 03-11-2025	0.00	100.00	100.00	63.51	1.00	0.00

Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

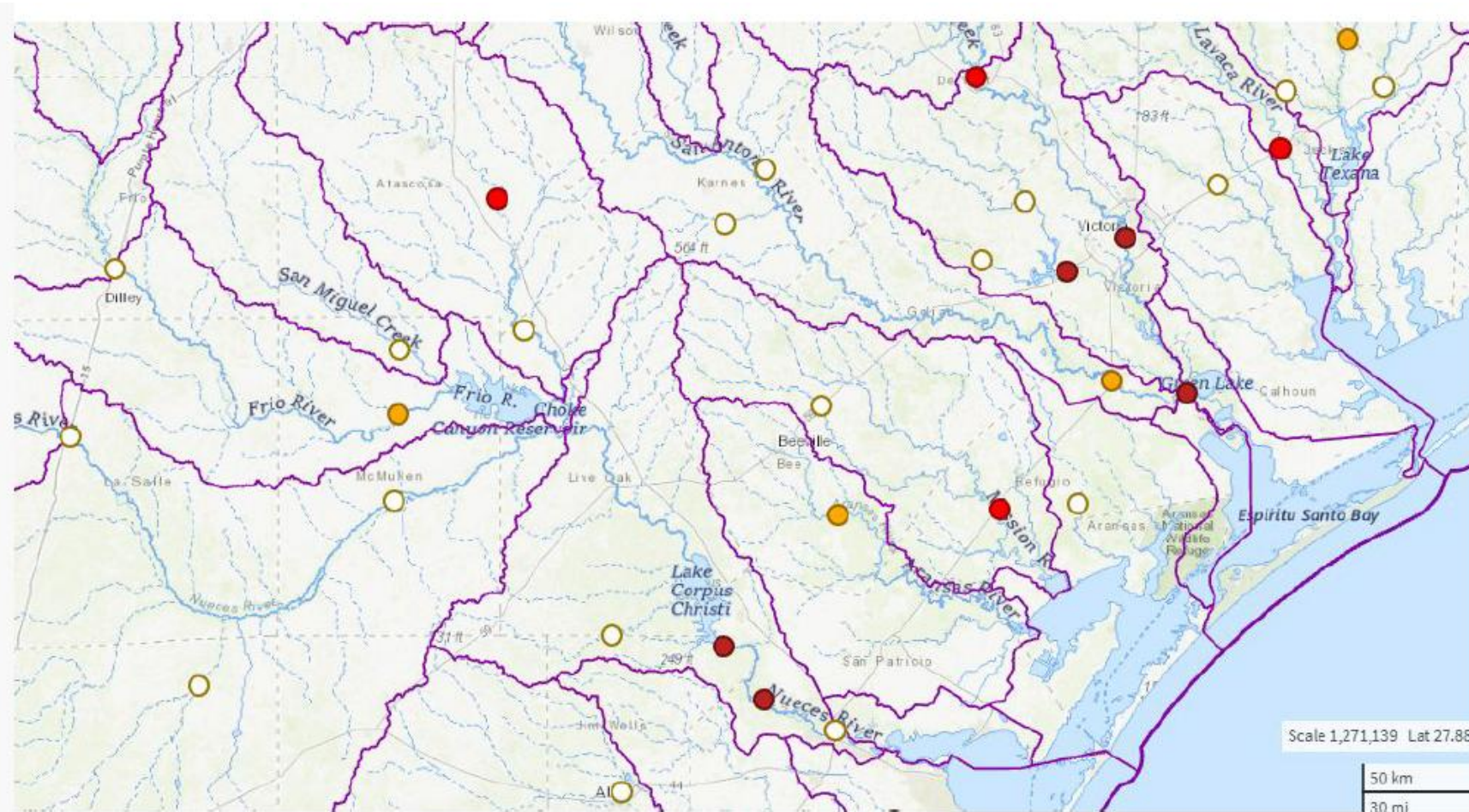
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droughtmonitor.unl.edu

National Weather Service Update



Streamflow: Low Flow

- Below normal 10th – 24th percentile
- Much below normal <10th percentile
- All-time low for this day 0th percentile (minimum)
- Not flowing

Much below to all-time record low flows across the regional watersheds.

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

ENTER START DATE OF FORECAST

12-Mar-26

ENTER CORRESPONDING LAKE ELEVATION

35.90 MSL

94,391 AF

or

57.46%

Reservoir Capacity

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

Avg Daily
Inflow
(AF)

1.34

Avg Daily
Rainfall
(INCHES)

0.000

Avg Daily
Evaporation
(INCHES)

0.218

Avg Daily
B&E
(AF)

0.00

86.8 cfs Agreement rate maximum

Avg Daily
East M&I
(AF)

83.96

Avg Daily
West M&I
(AF)

130.77

Surface Water Supply Lake Texana

March 16
56.6%

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

21-Apr-26 OR **40** days ELV 34.09' MSL ~ 50% capacity, begin drought contingency plan water restrictions

16-Jun-26 OR **96** days ELV 31.33' MSL ~ 40% capacity, next step in water restrictions

13-Aug-26 OR **154** days ELV 28.10' MSL ~ 30% capacity, next step in water restrictions

12-Oct-26 OR **214** days ELV 24.27' MSL ~ 20% capacity, next step in water restrictions

Surface Water Supply Lake Corpus Christi & Choke Canyon Reservoir

**Daily Reservoir and Pass-Thru Status Report
March 16, 2026**

Choke Canyon Reservoir

- Lake Corpus Christi capacity is 9.7%
- Choke Canyon Reservoir capacity is 8.1%
- Combined Capacity is 8.6%



Nueces Groundwater Program

Eastern Well Field

- Well field is substantially complete and operating per the conditions of the Bed and Banks Permit
- Current expenditures: \$18,290,991*

Western Well Field

- Bed and Banks Permit – Application officially submitted to the Texas Commission on Environmental Quality (TCEQ) on January 30 and declared administratively complete
- Well Nos. 9, 10, 11, 12 – Permanent pumping equipment installed
- Well Nos. 13, 14 – Drilling complete and awaiting permanent pumping assembly. Installation scheduled to occur before the end of March.
- Well No. 15 – Drilling Complete, permanent pump designed, and awaiting materials
- Well No. 16 – Drilling Complete, development, test pumping, and water quality sampling
- Well No. 17 – Awaiting, for production screens
- Well No. 18 – Awaiting for production Screens
- Well no. 19 – drilling
- Average depth of cemented casing is 515'
- CCW Crews have installed 4.80 miles of PVC water line
- Full Well Field operation is expected in May 2026
- Current expenditures: \$21,037,772*

****\$30M in grant funding formally approved by the Texas Water Development Board on January 21.***



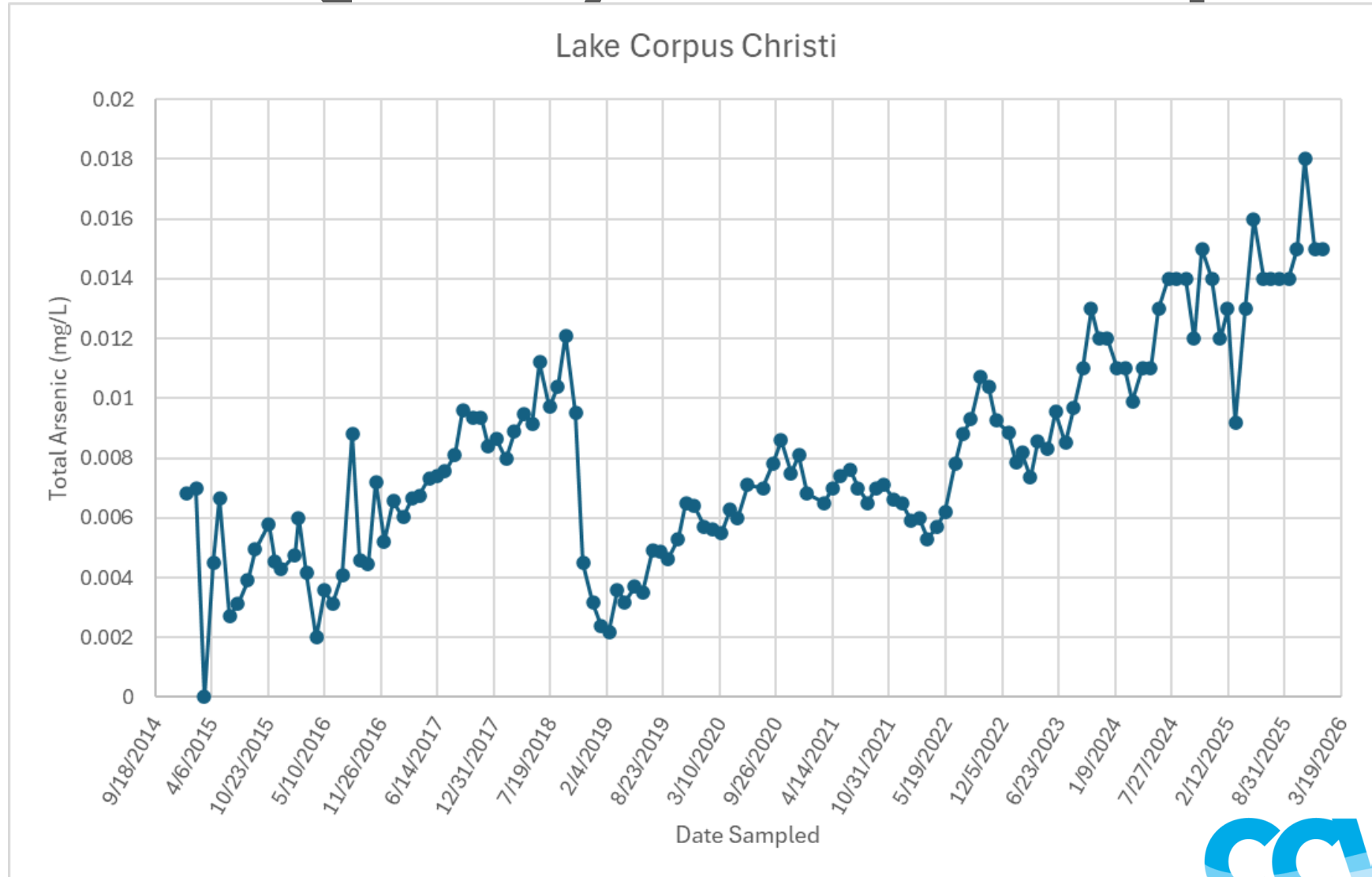
Water Quality in Eastern Well Field

Arsenic Data

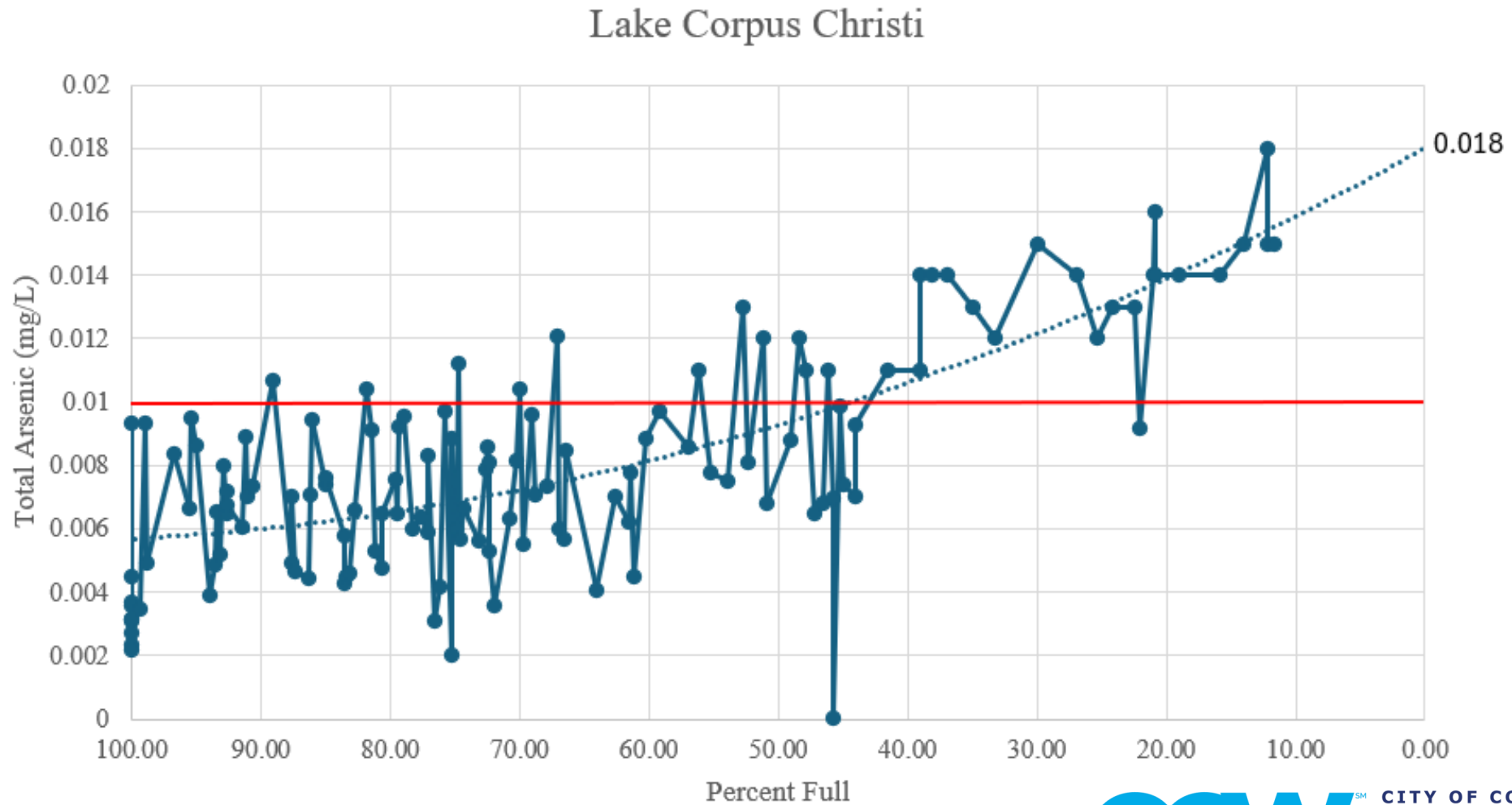


Eastern Wellfield		
Date	Location	Arsenic (mg/L)
5/3/2025	Well 3	0.0036
6/5/2025	Well 2	0.0031
9/15/2025	Well 2	Non-Detect
9/15/2025	Well 3	Non-Detect
9/15/2025	Well 4	Non-Detect
9/15/2025	Well 5	Non-Detect
10/1/2025	Well 6	Non-Detect
11/19/2025	Well 1	0.0063
11/19/2025	Well 2	0.0044
11/19/2025	Well 4	0.011
11/19/2025	Well 5	0.0049
11/19/2025	Well 6	0.0061
11/19/2025	Well 7	0.0056
2/3/2026	Well 1	0.0069
2/3/2026	Well 2	0.0047
2/3/2026	Well 3	0.0046
2/3/2026	Well 4	0.011
2/3/2026	Well 5	0.0047
2/3/2026	Well 6	0.0064
2/3/2026	Well 7	Non-Detect

Water Quality in Lake Corpus Christi



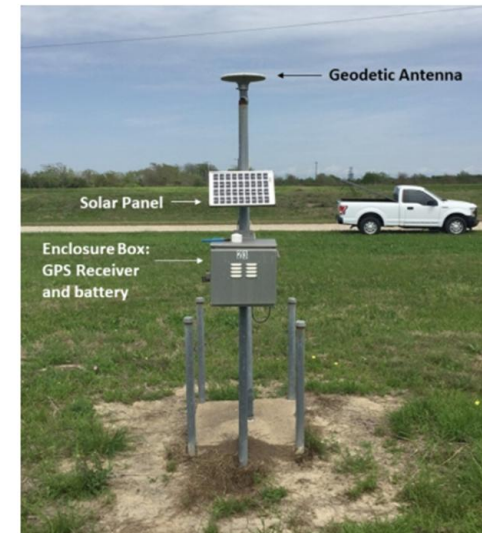
Water Quality Lake Corpus Christi



Well Field Monitoring Program

CCW Partnership with Area Well Owners

- 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
- Monitoring and operations protocol have been submitted to the CCASRCD which includes
 - Well field monitoring program
 - Operational protocol
 - Subsidence monitoring plan
 - Well assistance program
 - Providing quarterly updates to the District



**For information contact
CCW at 361-826-1600**

Containerized Brackish Water Treatment Plant

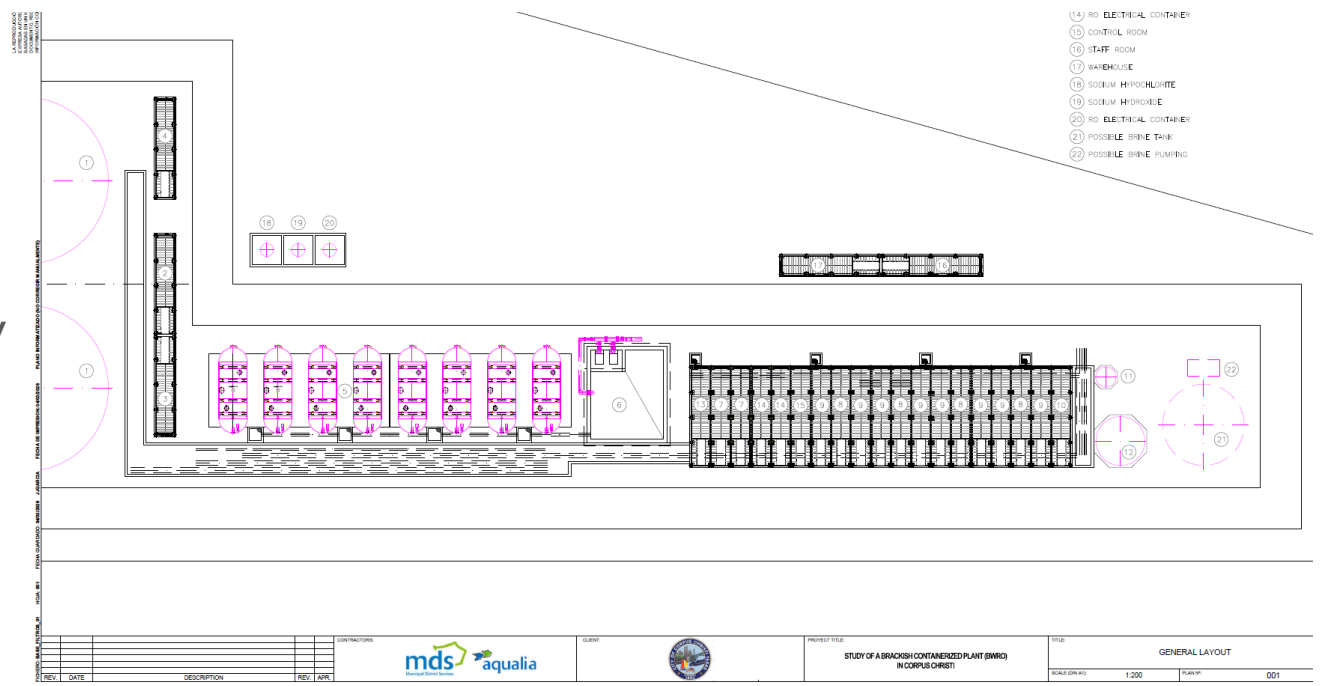
Project Scope



- Western Well Field Pump Station
- Conveyance line from the Western Well Field to the O.N. Stevens Water Treatment Plant (ONSWTP)
- Brackish groundwater treatment plant

Containerized Brackish Water Treatment Plant

- Permitting Meetings with TCEQ
 - Reverse Osmosis Treatment
 - Discharge including evaporative ponds, injection well, and surface discharge
- Extensive review of water quality by Aqualia
- Confirming delivery constraints and supply chain logistics
- Weekly meetings with Aqualia management team including Aqualia engineering staff and at 90% design
- Electrical and power supply at ON Stevens
- Site improvements at ON Stevens including
 - Ground storage tanks
 - Connection to the clear well
 - Concrete foundations

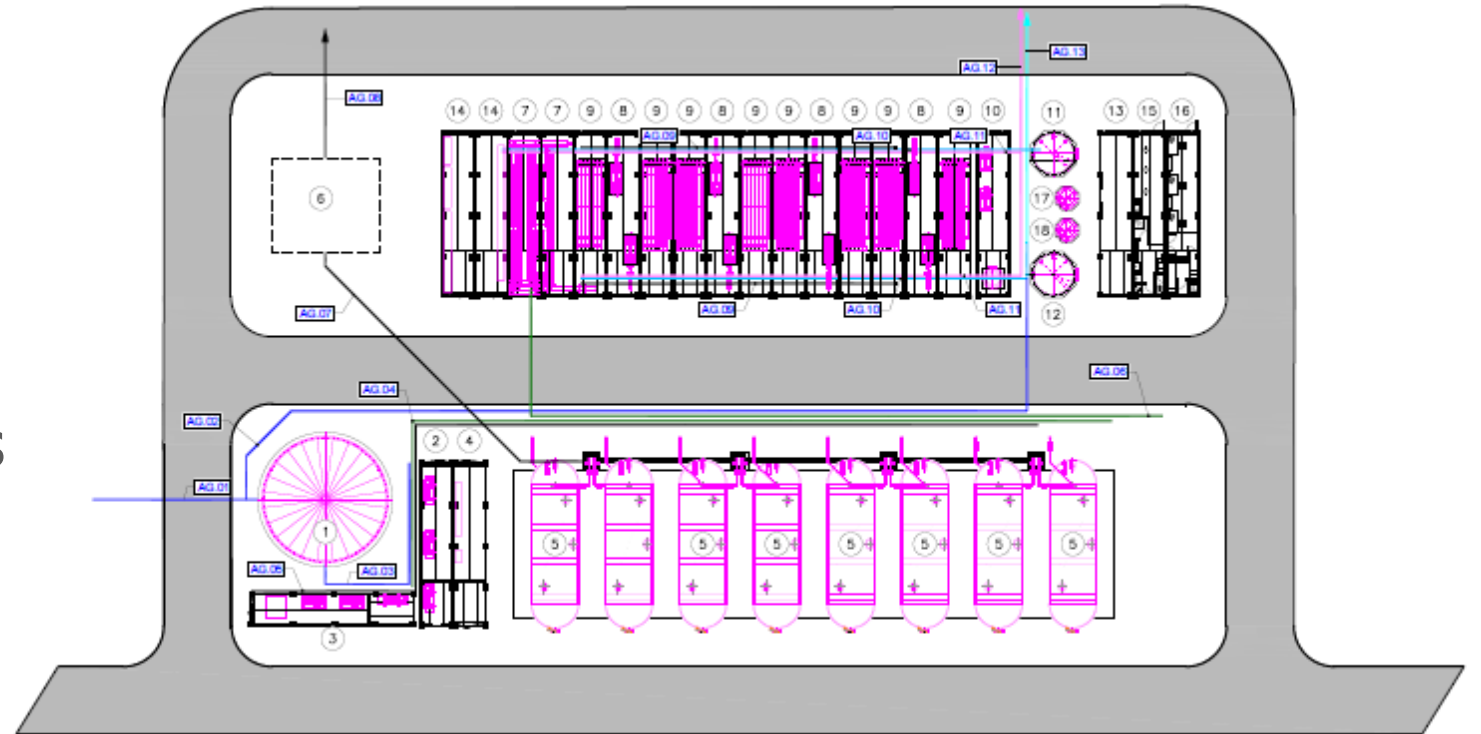


Containerized Brackish Water Treatment Plant

Project Scope – Brackish Groundwater Reverse Osmosis

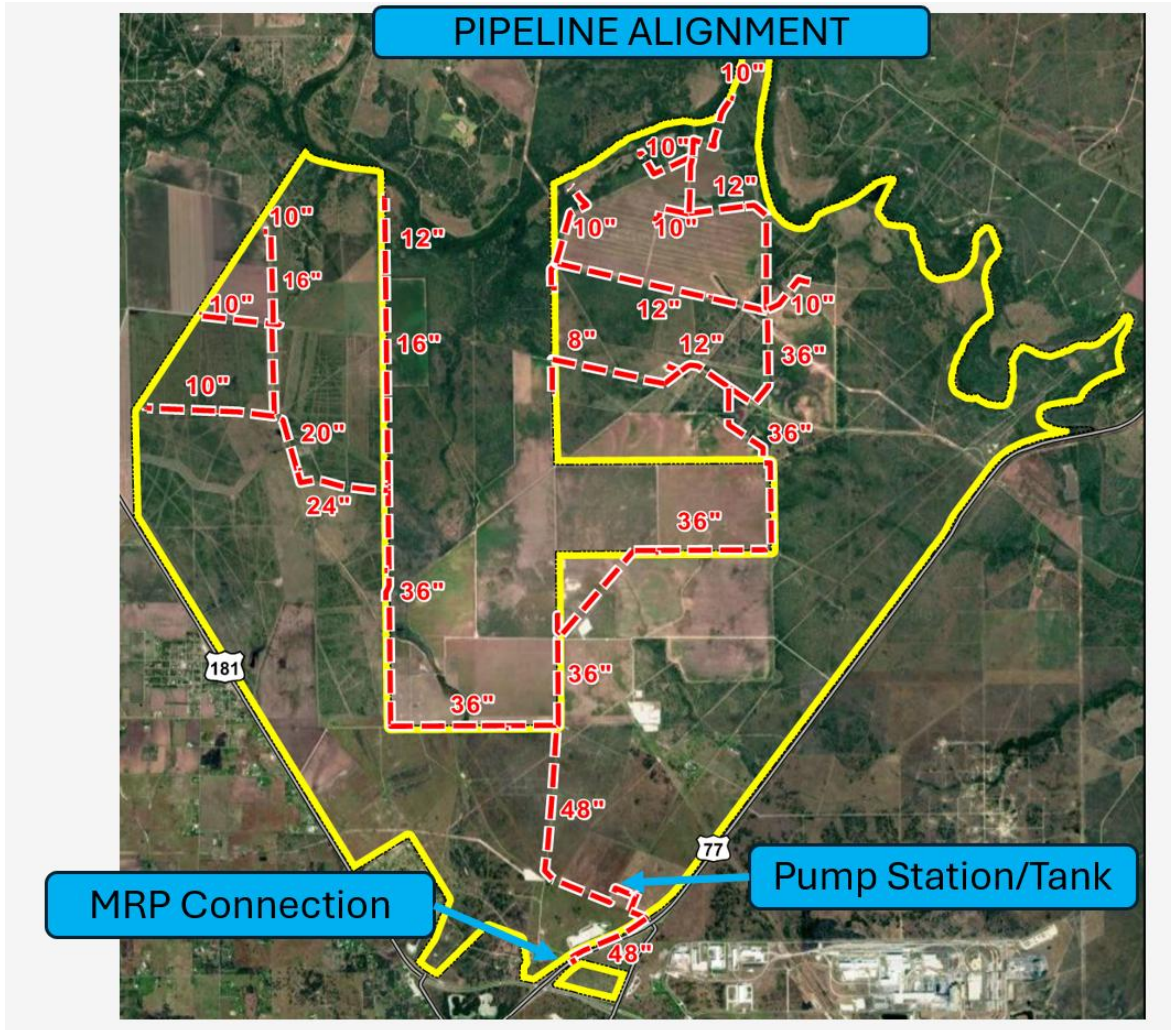
Treated Water Delivery Schedule

- 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

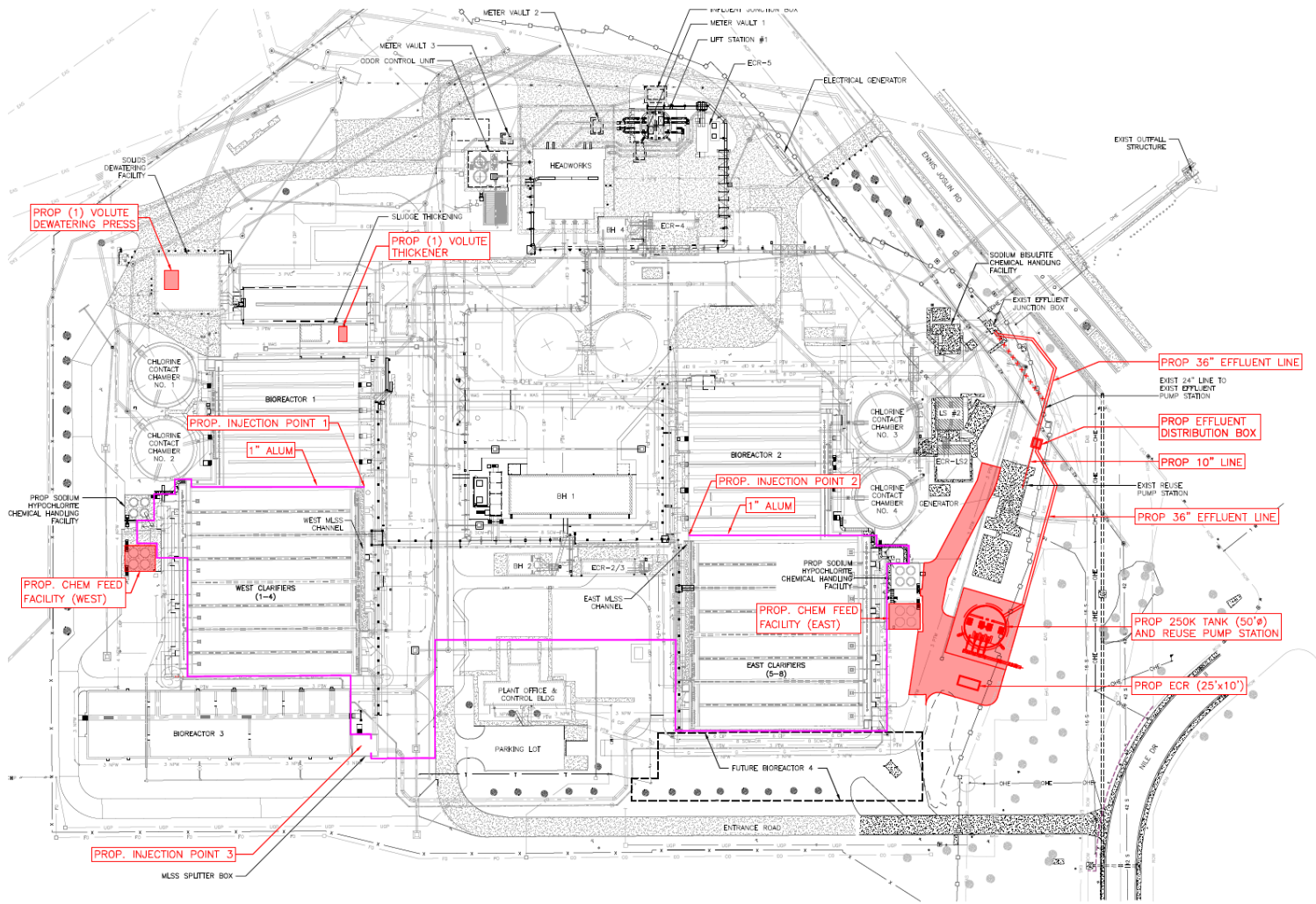
Construction


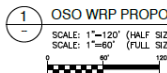


Project Overview

- Development of 22 additional wells (24 total)
- Well field water lines (approx. 35 miles)
- Connection to the Mary Rhodes Pipeline
- Electrical infrastructure and controls
- 3 MGD Ground storage tank
- 24 MGD high-service pump station
- Access roads

Wastewater Reuse Project Overview





OSO WRP PROPOSED CIVIL SITE PLAN
 SCALE: 1"=120' (HALF SIZE SHEETS)
 SCALE: 1"=60' (FULL SIZE SHEETS)

- CCW continues to coordinate and work with Valero and FHR on effluent projects
- CCW continues to negotiate with other entities
- Ardurra has completed preliminary design of Oso upgrades and 15 miles of 36" conveyance line
- Design is expected to be complete in July
- Working towards contractor evaluation and construction start

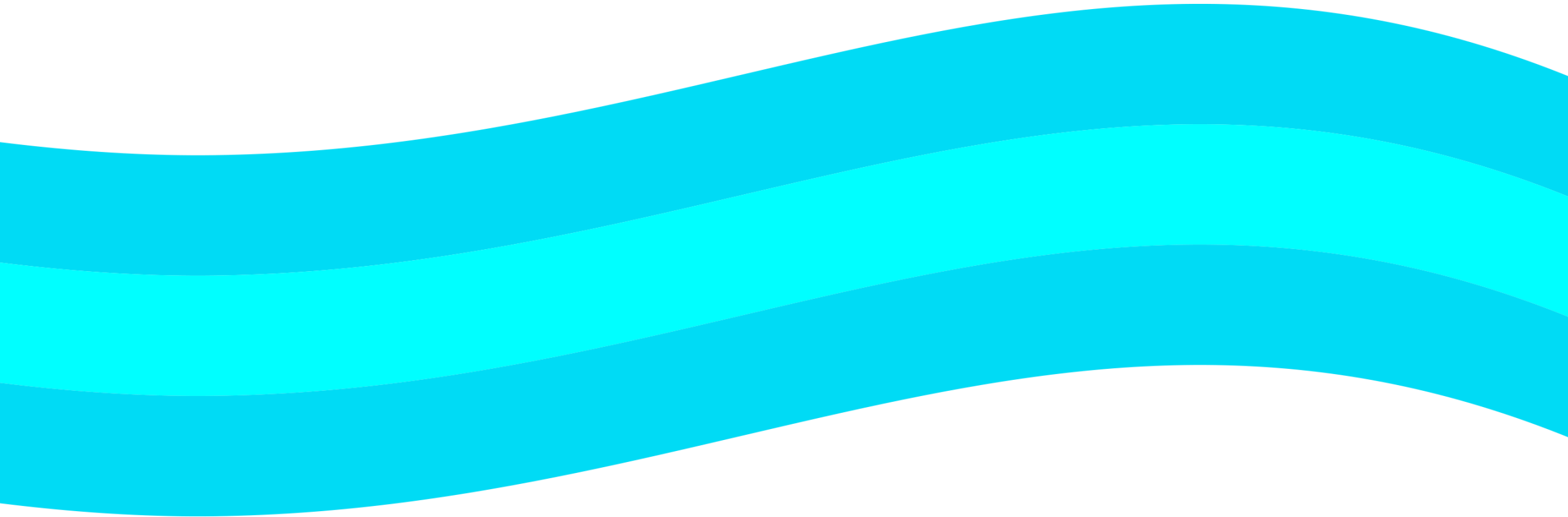
Inner Harbor Seawater Desalination Project Overview

- **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**
 - Modeling contract presented to council on March 17
- **Owners Representative**
 - Qualifications received and under selection panel review
 - Owners 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 at their meeting on February 20
- 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



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**CORPUS CHRISTI
WATER**