

Water Supply Projects Update

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Chief Operating Officer – Corpus Christi Water

May 19, 2026

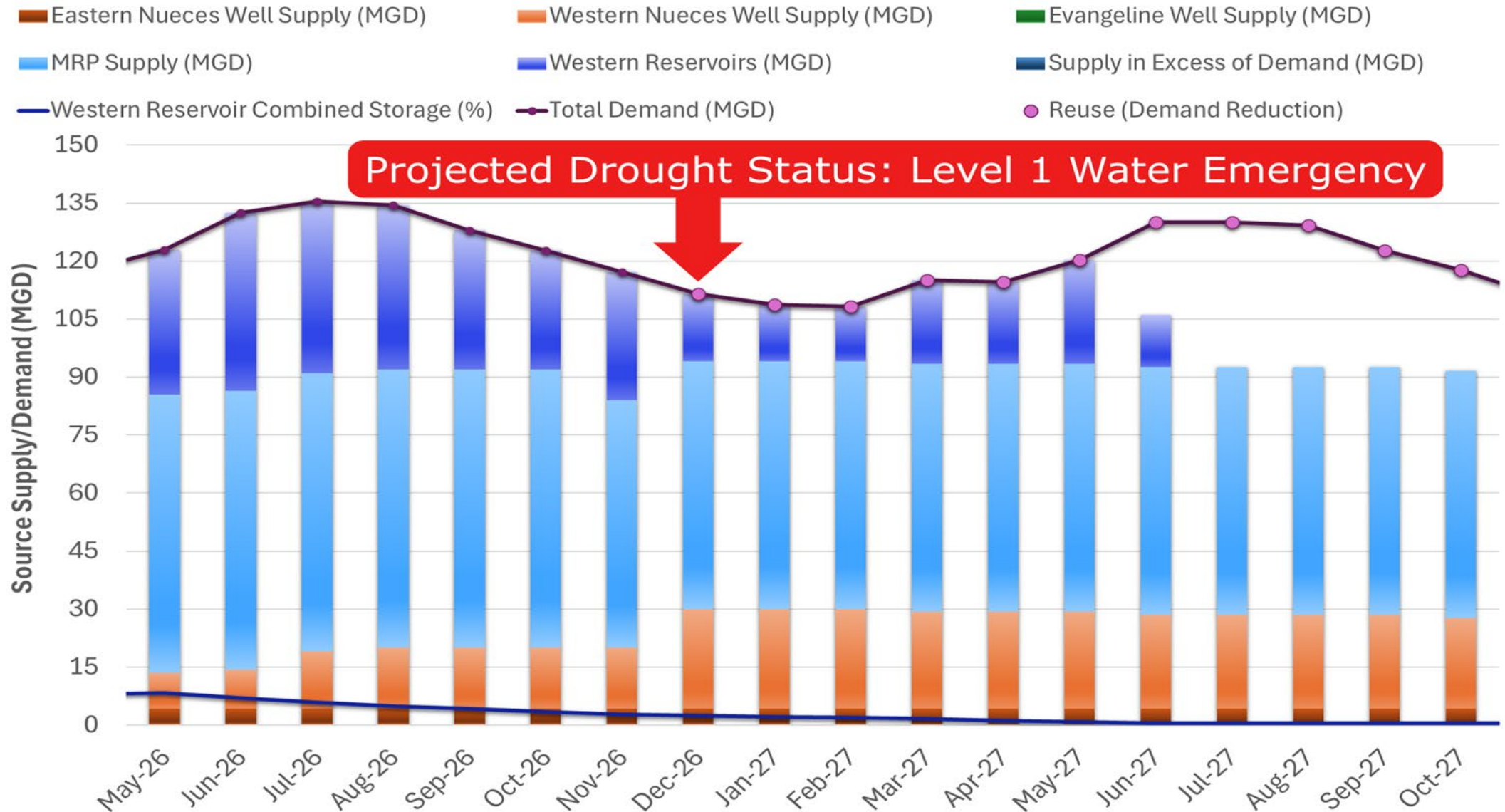


Discussion Topics

- **Dashboard Update**
- **National Weather Service Update**
- **Surface Water**
 - Western Reservoirs, Lake Texana, Lower Colorado River
- **Ground Water**
 - Evangeline Groundwater Program
 - Nueces River Groundwater Project
 - Brackish Groundwater Reverse Osmosis
 - Seven Seas
- **Wastewater Reuse**
 - Oso WWTP
 - Greenwood WWTP
 - Allison WWTP
 - Broadway WWTP
- **Seawater**
 - Inner Harbor Project
 - Harbor Island Project
 - Barney Davis Project
 - CC Polymers/Aquatech Project
 - AXE H2O



Dashboard Update



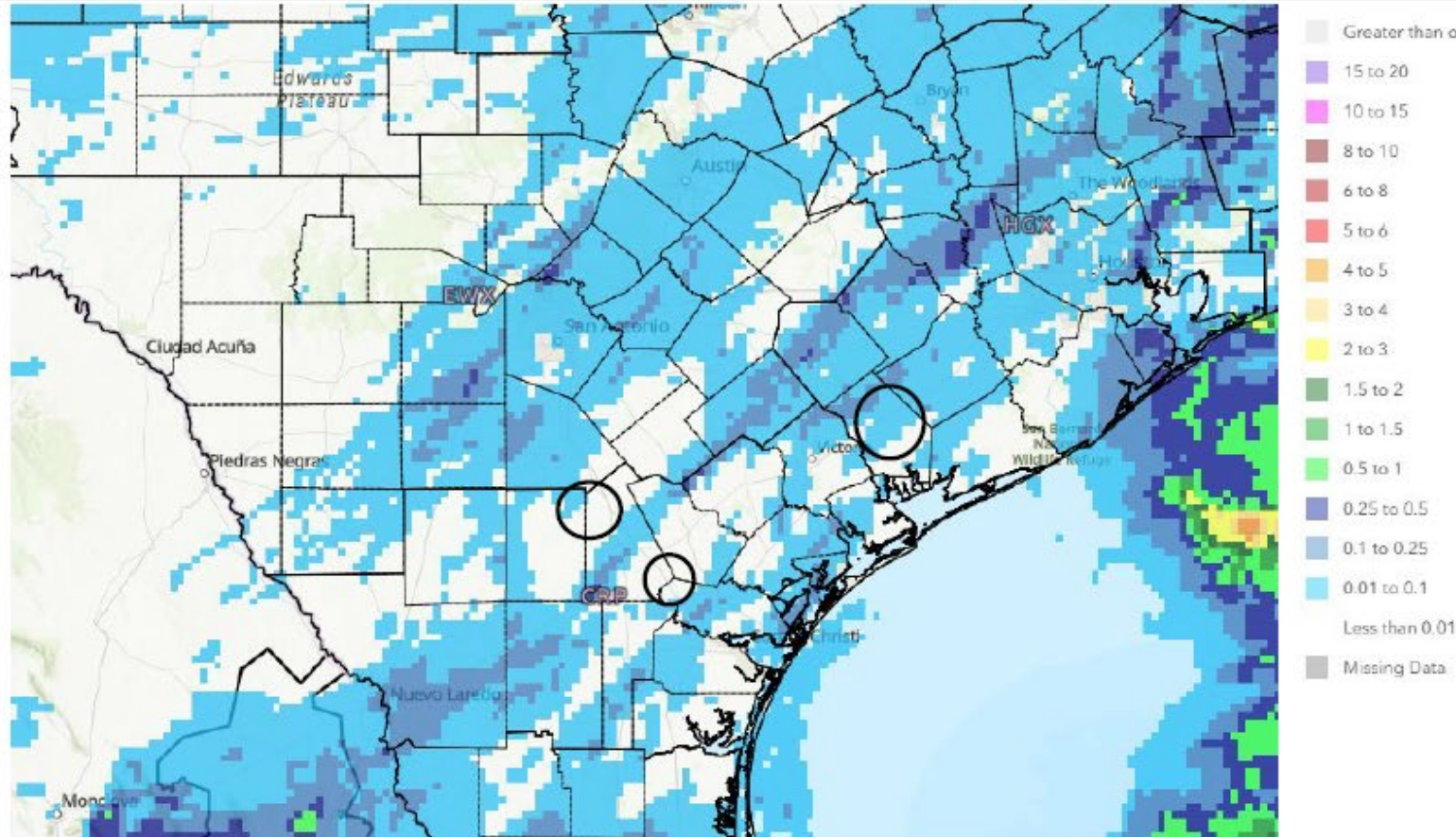
National Weather Service Update



Past 7 Days Observed Rainfall

May 18, 2026
11:15 AM

South Texas (Lakes Circled)



- Generally, 0.5-2" across the watershed with a pocket of 2-3" across the upper reaches of Lake Corpus Christi



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

National Weather Service
Corpus Christi, TX

National Weather Service Update

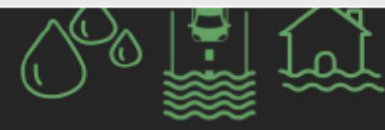
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Rainfall Forecast

Precipitation Expected this Week

Showers and Storms Could Lead to Flooding: *Tuesday Night through Sunday Morning*



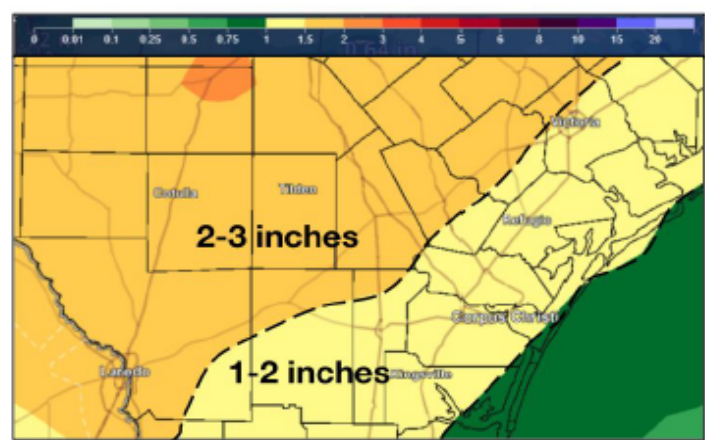
Impacts

- A few locations could experience flash flooding if heavy rains occur repeatedly over the same area.
- Flooding threat should remain localized, mainly over urban areas, creeks, low-lying areas, and ponding on roads.

Amounts

- Areas of 1.5-3" of rain will be common across South Texas
 - Locally up to 3-4"

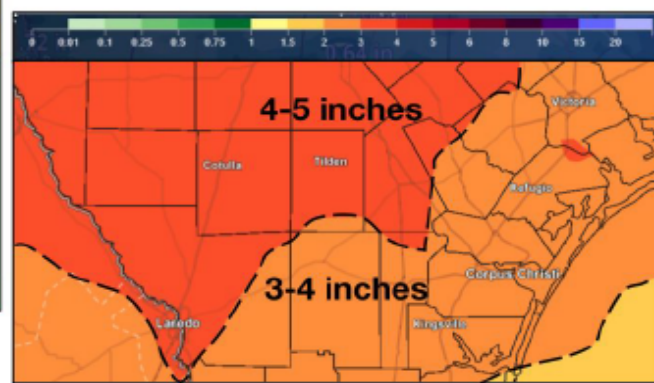
Most Likely Rainfall Amounts



High-End Rainfall Amounts

(10% chance of reaching these values)

- Rainfall up to 3.5-5".
- If these values occur, localized flooding threat increases.



NATIONAL WEATHER SERVICE
CORPUS CHRISTI

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May 18, 2026 | 1:58 AM



National Oceanic and
Atmospheric Administration
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Corpus Christi, TX

Surface Water

Surface Water Supply



May 19, 2026

	05/19/26	05/19/25
Lake Texana	75.7%	74%
Lake Corpus Christi	11%	20.1%
Choke Canyon Reservoir	7.2%	14.2%

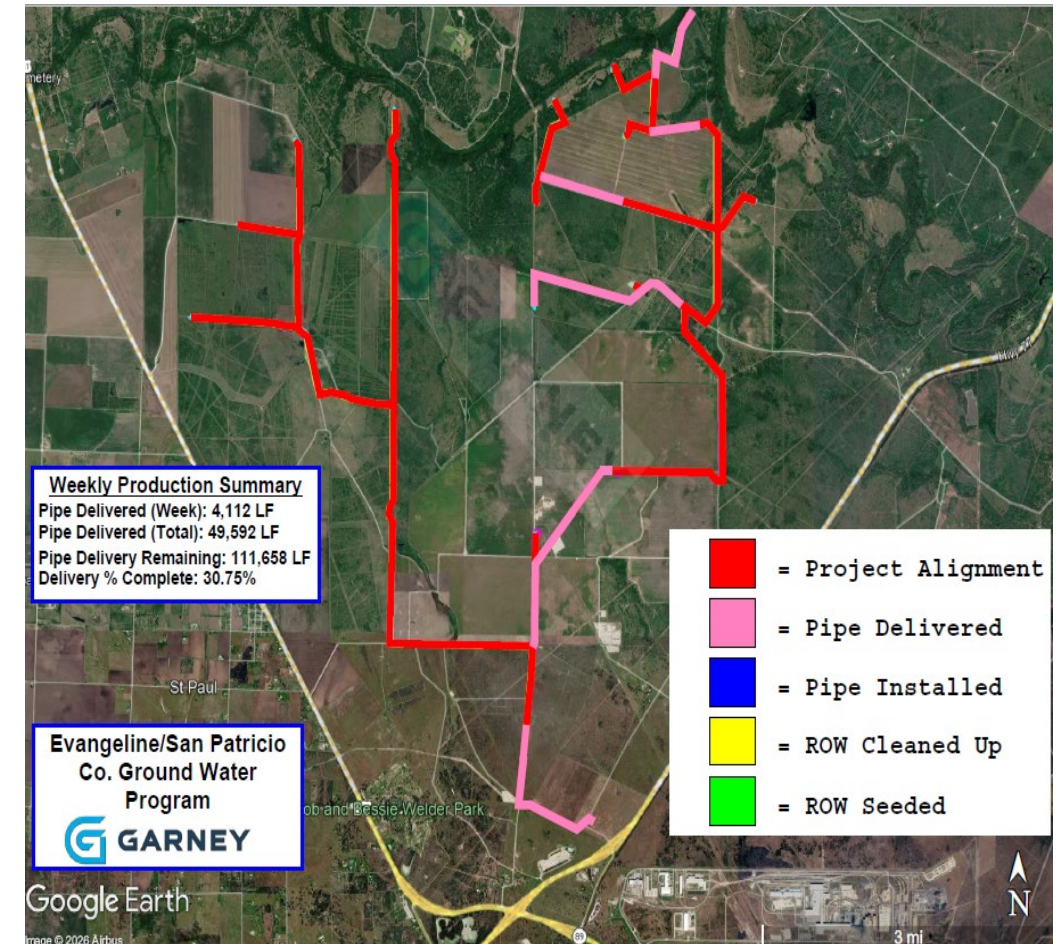
Lower Colorado River

- Water Requested is Available

Groundwater

Evangeline Groundwater Project Permit & Contractual Update

- The SPCGCD contracted with an Administrative Law Judge (ALJ), Alicia York, to conduct the Preliminary Hearing to determine if any of the protestants had standing to contest the Evangeline permits. The hearing was held on April 28, 2026
- On May 15, the Judge issued an opinion finding standing for all Protestants and recommending that the requested contested case be granted as to all permit applications, including 22 drilling permits and transport permit for The City of Sinton and the St. Paul Water Supply Corporation. Additionally, the Judge determined that Mr. Charles Ring has standing for a contested case regarding the transport permit. The Judge is also agreeable to setting a hearing date for Mr. Ring's additional protest of the drilling permits
- Pape Dawson has completed the 60% design deliverables
- A total of 49,592 linear feet of pipe has been delivered to the site
- Garney Construction has mobilized construction trailers to the site, with crews arriving on-site to begin pipeline installation beginning the first week of May



Nueces Groundwater Program Project Overview

Eastern Well Field

- Well field is substantially complete and operating per the conditions of the Bed and Banks Permit
- Generator maintenance and repairs scheduled
- Investigating power/motor issue at Well No. 3 & 5

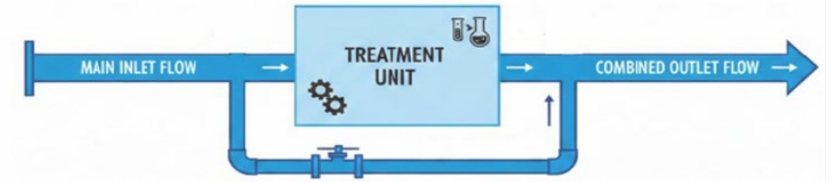
Western Well Field

- Bed and Banks Permit – Temporary Issued March 18, 2026
- Eight wells online, with an additional well online within a week
- Average depth of cemented casing is 515'
- Test pumping the 9th well this week
- Drilling continues on 10th & 11th wells
- Total amount of pipe installed by CCW is 25,737 LF



Brackish Ground Water Treatment Project Overview

- Permitting Meetings with TCEQ
 - Reverse Osmosis Treatment
 - Discharge including evaporative ponds, injection well, and surface discharge
- Conveyance Line Design at 58%
- Ground Storage Tanks
 - 2 – 500,000-gallon tanks at ON Stevens
 - 1 – 3,000,000 Gallon tank at Western wellfield
- Pump Station at Western Well Field
 - CCW has finalized the pump design
- ONS Civil, Piping, and Foundational
 - Met with Garver last week to finalize the recommendations for the civil and piping layout of the containerized unit
- Electrical
 - HDR/Garver/CCW electrical coordination meeting last week to confirm limits
 - Garver to provide additional information to confirm loads that HDR provided to AEP
- Contract for Phase I
- Conveyance line next week
- Construction activities starting by the end of May
- Preordered 63,000+ LF of 36" pipe and 3" conduit



Conceptual image

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

Seven Seas Water Group Project Overview

- CCW met with the Seven Seas Water Group this past week to discuss a prospective project
- Seven Seas holds an option on approximately 5,000 acres of land and intends to pursue agreements for additional property if the project were determined feasible. They are also working to complete a contract to drill a test well on the site, which will be essential for conducting an aquifer test and a hydrogeologic study of the area

Wastewater Reuse

Wastewater Reuse Project Overview

- The CMAR contract was presented and approved for Reytec on the May 12 Council Meeting
- Ardurra has completed 60% design of Oso upgrades and 15 miles of 36" conveyance line, with full design expected to be complete in July
- Completing conveyance line from Oso to Greenwood expected mid year 2027
- CCW continues to coordinate with Valero and FHR to improve delivery schedule
- CCW continues to negotiate with additional entities to ensure project alignment, alongside ongoing work with Valero and FHR
- FHR expects Phase One at 2 MGD & Phase Two at 3 MGD
- Valero expects Phase One up to 3 MGD and Phase Two at 8 MGD



Seawater Desalination

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 a June Council meeting
- Ongoing meetings with Legal and technical staff

Farfield Modeling

- Committee meetings scheduled for May 21 and 28
- Data available from the modeler is available May 28 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 June 2026

Operations and Maintenance Agreement

- Request for proposal to be developed
- Request for proposals to be issued after June 2026

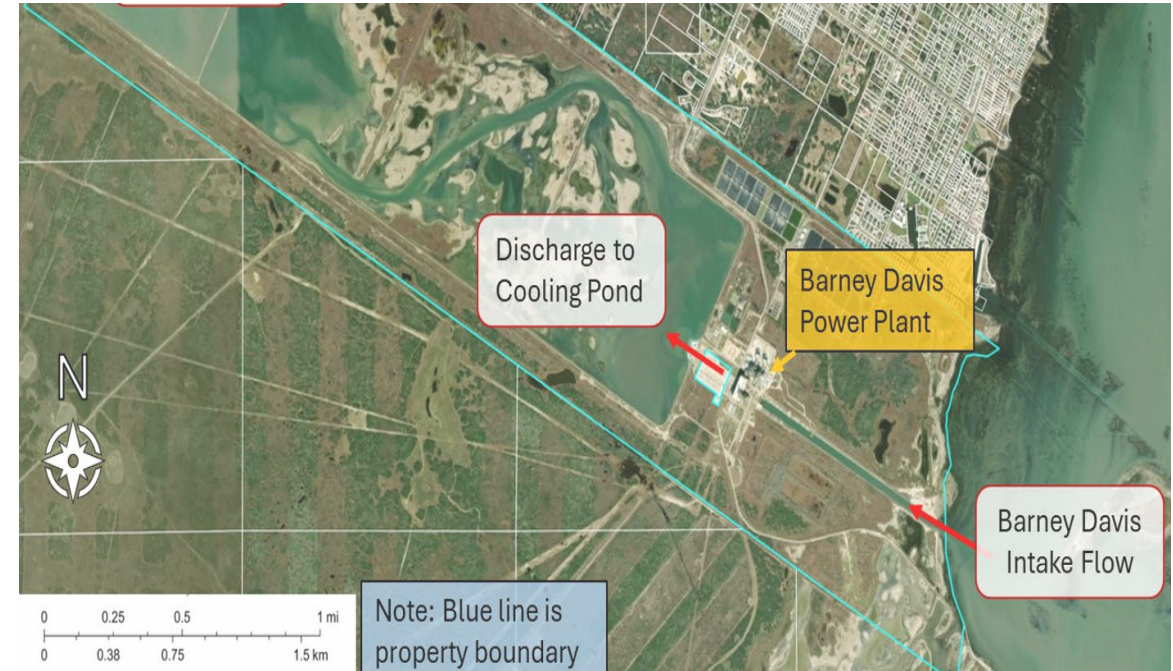
Harbor Island Seawater Desalination Project Overview

- 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 Draft Intake Permit has been issued
- TCEQ Discharge Permit has been issued with a public meeting scheduled for May 27
- CCW has requested a meeting with LAN to discuss the conveyance line design and potential connection point
- NRA is planned to select its design partner at the May 21 board meeting

Barney Davis Seawater Desalination Project Overview

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 is willing to collaborate with the City on a potential project at the site
- 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



CC Polymers/Aquatech Seawater Desalination Project Overview

- Existing Facility located on the Ship Channel
- Texas Commission for Environmental Quality (TCEQ) Permits:
 - Water Use Permit No. 12986 - 2014
 - Discharge No. 0005019000 – 2014 and renewed 2024
- Aquatech International, a US-based desalination company, has come to an agreement with CCP to sell potable water to the City.
- Aquatech will complete the existing facility, add a potable water system, connect to the City's distribution system and obtain TCEQ water treatment plant permit
- Meeting with Aquatech was held on May 7
- Additional information from Aquatech is to be submitted this week and a follow up meeting will be scheduled



AXE H2O

Project Overview

- On May 5, AXE H2O presented to the Council a proposal for a potential seawater desalination plant on the south side of Corpus Christi
- City staff have been in contact with AXE H2O representatives and are awaiting additional information to evaluate the contractual terms and the feasibility of their proposed business concept. This information has not yet been provided by AXE H2O.

