

Alternative Water Supply Update

Drew Molly, P.E.
Chief Operating Officer

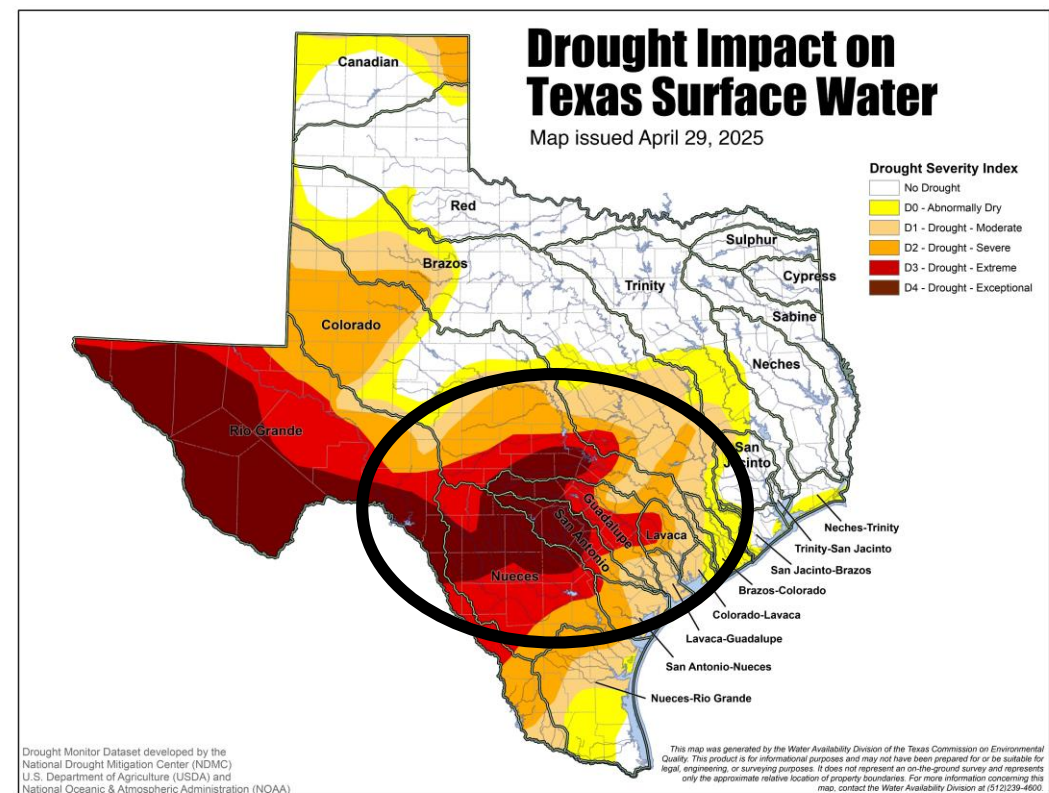
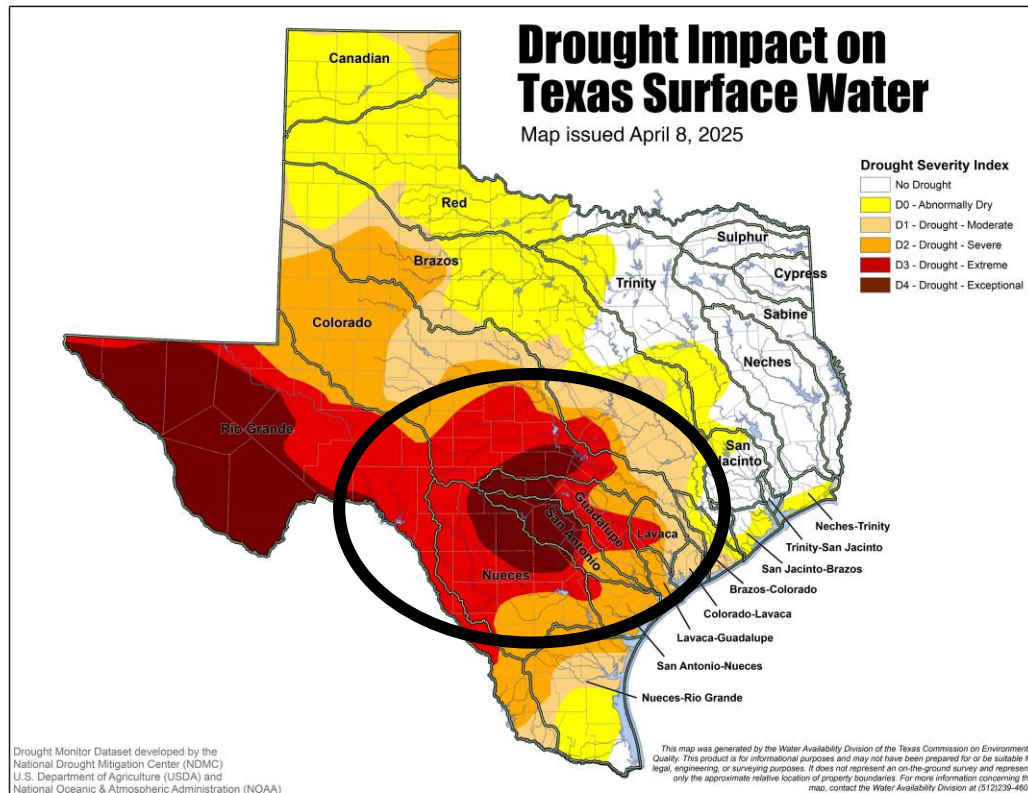
May 06, 2025



Drought Monitor

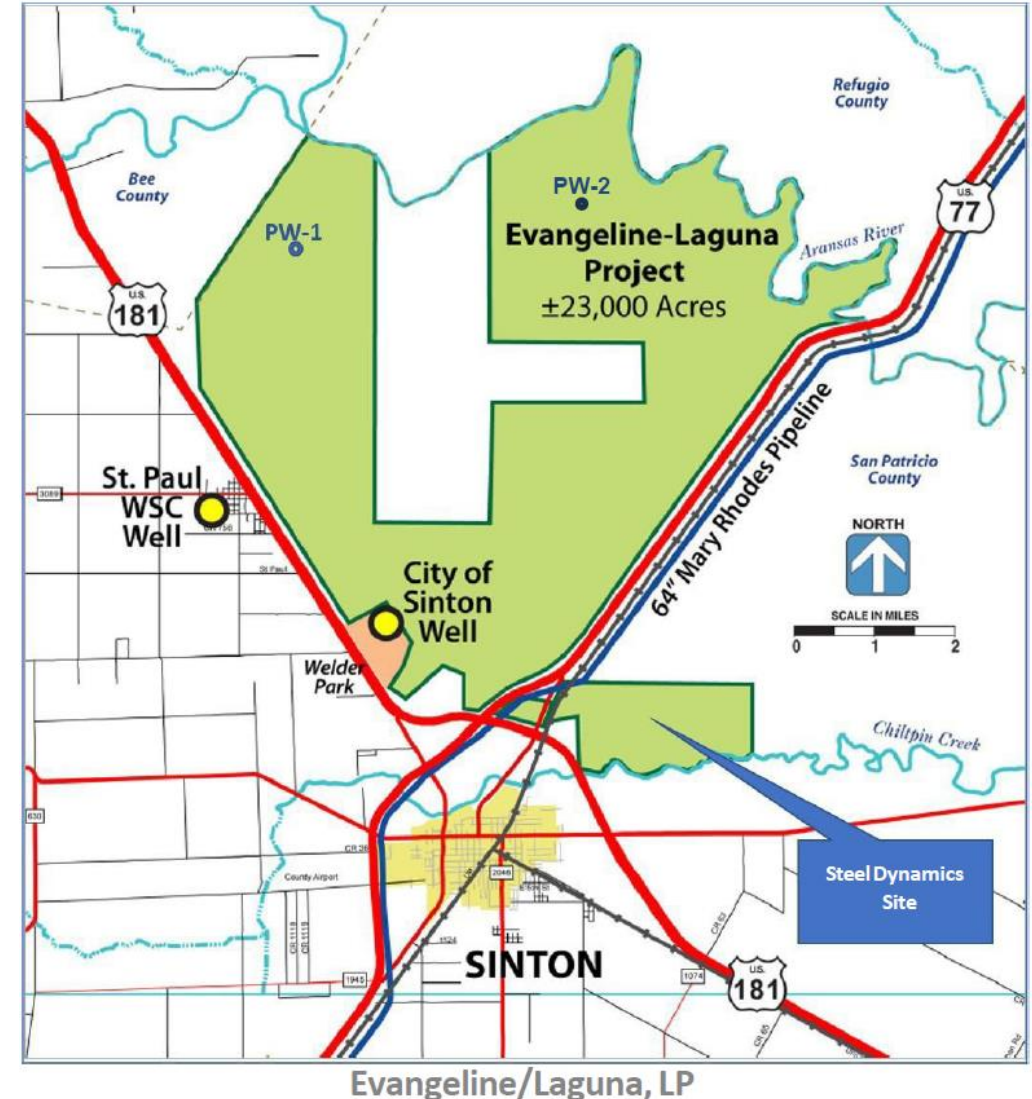
As of April 29, 2025, 62% of Texas is in some level of drought, 20% less than the 82% on April 8.

- The Nueces River Basin is in Severe to Exceptional Drought with a higher intensity than on April 8, 2025.
- Combined lake levels are at 16.5%, as of May 2, 2025.



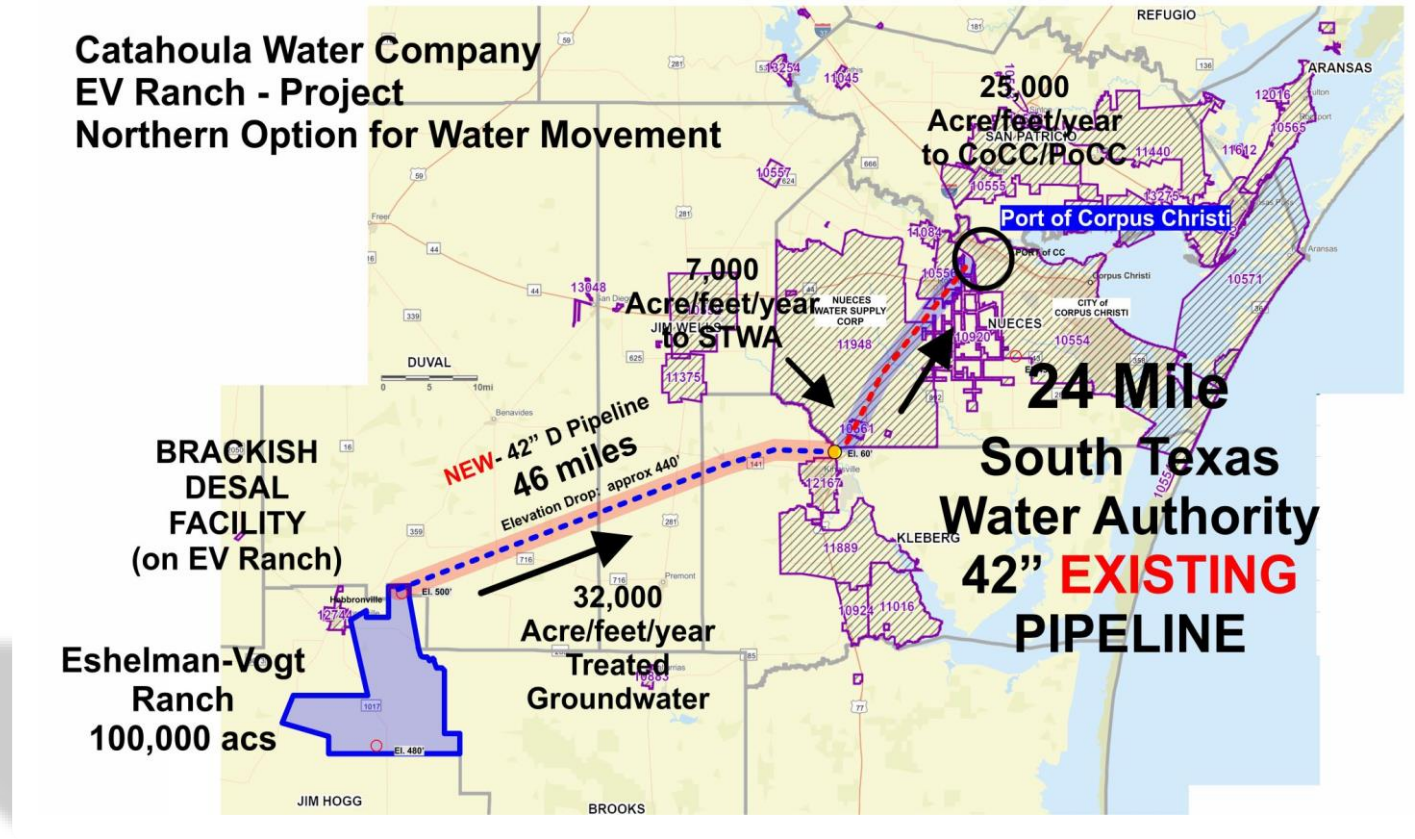
Evangeline Laguna, LLP (Evangeline) Groundwater Project

- April 22nd, the City and Evangeline executed an MOU regarding purchasing water rights and related rights for approximately 23,000 acres in San Patricio County.
- The MOU highlights the terms under which the City and Evangeline will define the potential purchase of partial or full water rights.



Echelman-Voigt (EV) Ranch Project

- On April 11th, the City and Catahoula Water Company met to discuss details for a draft term sheet to purchase brackish groundwater.
- An assessment of the project plan will be conducted by Garver Engineering.



Nueces River Groundwater Wells Project

- Significant progress has been made in the Nueces River Water Ground Water Wells Program since the City Manager signed the emergency authorization on January 27, 2025.
- The City continues the permanent development and installation of Wells Nos. 1 through 3. We have begun drilling Well No.4 and aim to complete the work within the next two weeks. We are mobilizing a second drilling rig to begin developing Well No. 5.



Reclaimed Water Infrastructure Project

- On April 8th, the City Council approved a professional services contract with Garver to provide the preliminary design services for this project, which is anticipated to be completed by January 2026.



AGENDA MEMORANDUM
Action Item for the City Council Meeting of April 8, 2025

DATE: April 1, 2025
TO: Peter Zanoni, City Manager
FROM: Jeff H. Edmonds, P. E., Director of Engineering Services
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Professional Services Contract
Reclaimed Water Infrastructure

CAPTION:

Motion authorizing a professional services contract with Garver, LLC, Corpus Christi, Texas, to provide preliminary design services for the Reclaimed Water Infrastructure project to evaluate and develop a direct and indirect potable reuse plan for the Oso, Greenwood, Allison, Laguna Madre, and Broadway Water Reclamation Plants in an amount not to exceed \$1,291,550.00, located Citywide, with FY 2025 funding available from Water Capital Fund.

SUMMARY:

This motion authorizes the approval of a professional services contract for preliminary design phase services for the Reclaimed Water Infrastructure project. It aims to evaluate and develop a direct and indirect potable reuse plan for the Oso, Greenwood, Allison, Laguna Madre, and Broadway Water Reclamation Plants. Additionally, it includes a water characterization study and the development of a pilot plant study protocol.

Groundwater Supply Assessment

- **Nueces River Groundwater Wells Project**—City-led production and treatment of brackish groundwater wells along the Nueces River
- **Evangeline Groundwater Project**—Water rights purchase of 12 MGD and potentially up to 24 MGD near Sinton, Texas, with phased delivery and City ownership of eventual production/conveyance infrastructure
- **EV Ranch Project**—Third-party treated brackish groundwater supply with City-involved project development
- **South Texas Water Authority (STWA) Project**—Third-party well field development by STWA/Seven Seas to consider supplying the City, if there is additional water available

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Thank you!

