## Water Supply Update

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- Water Supply Dashboard and Nueces River Basin Hydrology
- Nueces River Groundwater Wells Project
- Evangeline Groundwater Project
- CC Polymers Seawater Desalination Treatment Plant
- Reuse Alternatives
- NRA Harbor Island Seawater Desalination Project
- EV Ranch Project





### Water Supply Dashboard

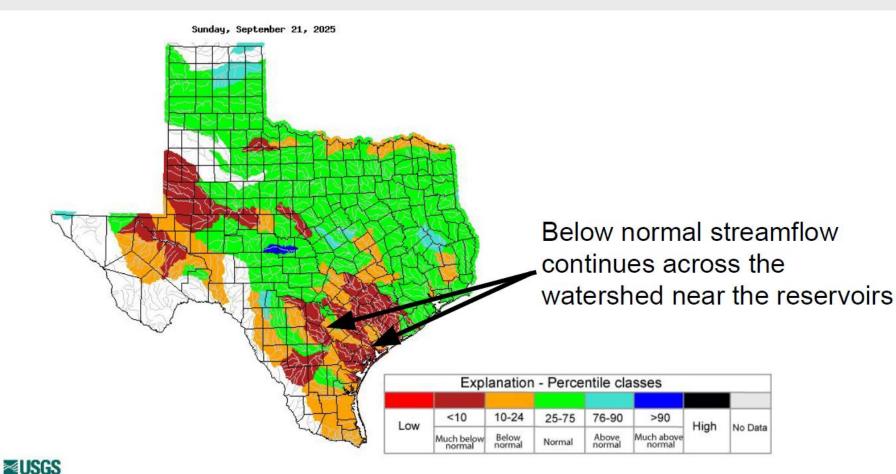
	15% Remaining in Western Supplies	10% Remaining in Western Supplies	Level 1 Water Emergency*  *This Level 1 Emergency is initiated when the City reaches 180-days from when the total water supply is not enough to meet the total water demand.
August 29, 2025	July 2025	December 2025	December 2026
September 19, 2025	July 2025	December 2025	November 2026

- Due to the lack of inflows into the lakes, the model update reduced the time until the system reaches a Level 1 Water Emergency.
- The reduction shifted the projections from November to December 2026.
- A Level 1 Water Emergency is when the total water supply does not meet the total demands.



### 7-Day Streamflow Anomaly

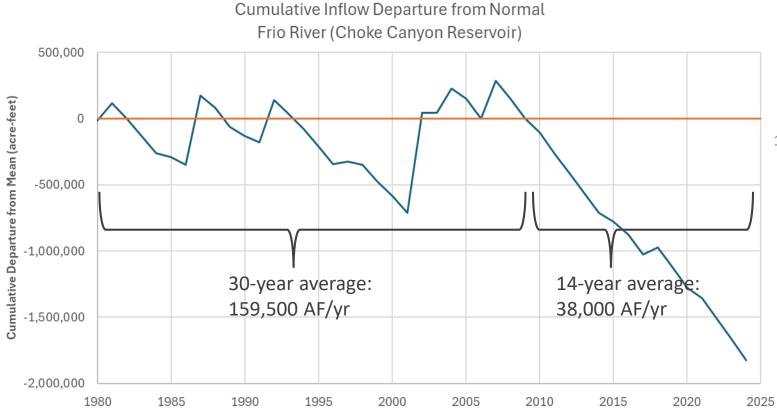
September 22, 2025 9:19 AM







- Nueces River Basin Hydrology Recap
  - Frio River near Tilden

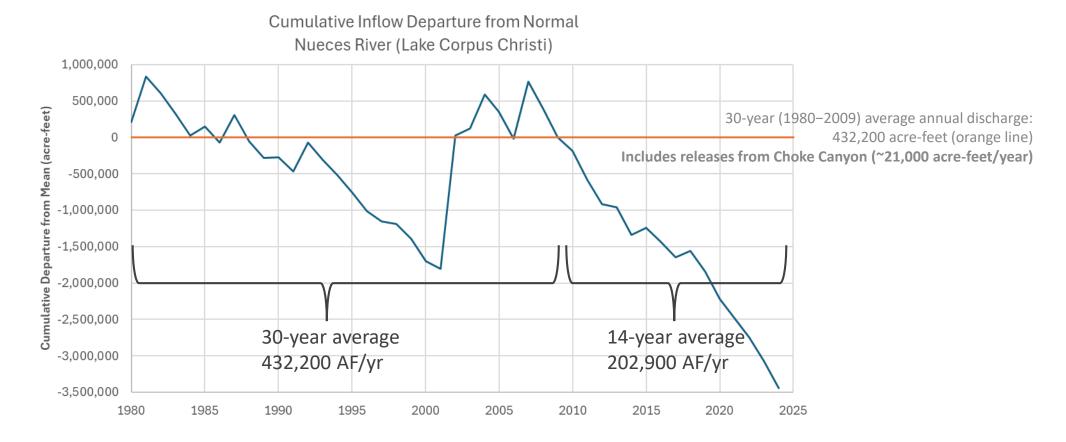


30-year (1980–2009) average annual discharge: 159,530 acre-feet (orange line)

**Choke Canyon Reservoir Capacity: 662,820 acre-feet** 



- Nueces River Basin Hydrology Recap
  - Nueces River at Three Rivers



#### **Nueces River Groundwater Wells Project**

#### **Eastern Well Field**

- Permits Bed & Bank Permit secured on August 7, 2025
- Wells No. 1-8 drilled, discharging up to 8 MGD
- Long-term Sustainable Pumping is approx. 11 MGD

#### **Western Well Field**

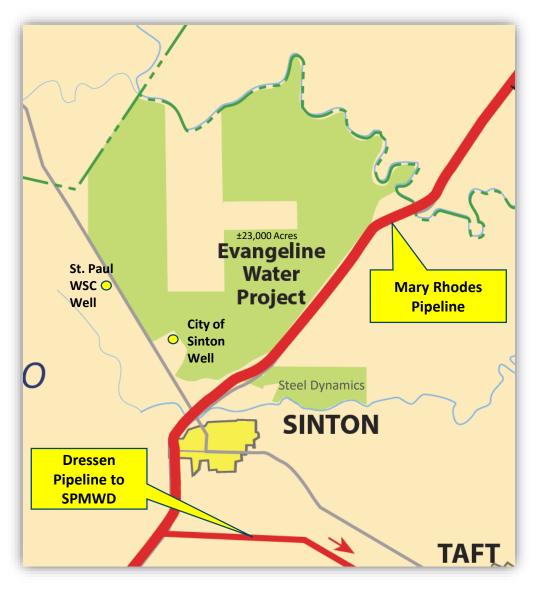
- Permits Ongoing analysis and discussions with TCEQ
- Well No. 9 pump testing complete, Well No. 10 drilling complete, and currently drilling Well No. 11
- Long-term Sustainable Pumping is approx. 17 MGD

Estimated Capital Cost (Western and Eastern Well Field):

- Expenditures approx. \$15,5M to date.
- \$30M grant funding secured from the State of Texas







#### **Project Details:**

- Evangeline Groundwater Project
  - Volume 24 million gallons a day (MGD)
  - Water Rights Purchase: \$169M
- Review final term sheet and associated pre-engineering contracts.
- Property appraisal value will be completed beginning of October.
- HDR is completing the hydraulic modeling of MRP with Evangeline inputs.
- · Retained an independent hydrogeologist.

### **CC Polymers Seawater Desalination Plant**

- Proposal for facility condition assessment projected for Council review on October 7.
- CCW staff visited the CC Polymers site on September 11 and 12.
- CDM Smith, the City's consultant, provided the following estimates for project cost, timeline, and permitting requirements\*.

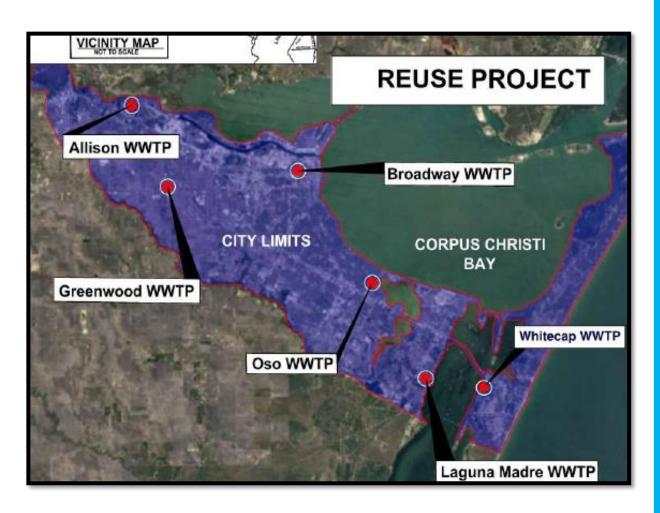
Phase	Total capacity	OPCC Capital Cost	Total Time	Permitting Requirements
PHASE 0 - Initial Inspection + Purchase Negotiations	9.4 MGD	Condition assessment +engineering support \$1.62 M	12 months	N/A
PHASE 1 - TCEQ Potable Pilot and Initial Engineering	9.4 MGD	Studies, permits and engineering for expansion \$19.9 M Purchase plant \$225 M Total \$244.9 M	28 months	-TCEQ approval to produce drinking water -Intake permit amendment for change use type and expansion
PHASE 2 – Expand to 23.5 MGD Potable	23.5 MGD	\$263.5 M	32 months produce potable water 9.4 MGD 36 months delivery 7.4 MGD to CCP (to be confirmed) 51 months to produce 23.5 MGD	Construction permits Intake, discharge and potable production permit previously approved
PHASE 3 - Expand to 31.5 MGD (total production of 24 MGD potable and 7.5 MGD industrial)	31.5 MGD	\$144 M	51 months	Idem to phase 2
Total	31.5 MGD	\$654 M		



<sup>\*</sup>Please note that this is still preliminary information and has not been finalized.

### **Reuse Alternatives**

- Garver continues to investigate reclaimed water potential with a focus on the following three options.
  - Conveyance of effluent and TCEQ permitting to take water to the Nueces River
  - Aquifer Storage and Recovery
  - Direct potable reuse
  - CCW and Garver are preparing to present updates to the City Council in the upcoming weeks.
- CCW to meet with the Gulf Coast Authority (GCA) and Ardurra on September 25.





### NRA – Harbor Island Seawater Desalination

- **Meeting held on September 22 to discuss** project terms.
- **Project Details: Phase 1 100 MGD** 
  - Procurement: Public Private Partnership (P3) Design, Build, Finance, Operate, Maintain (DBFOM), & Transfer
  - **Timeline:** Estimated construction start in March 2027 and produce water by December 2029
  - **Required Permits** 
    - TCEQ Intake
    - TCEQ Discharge
    - USACE (US Army Corps of Engineers) Construction on Harbor Island
    - 4. USACE Bore under the Island
    - USACE Right of Way permit for Diversion and Discharge lines into the Gulf

- **Option Fees proposed to City** 
  - The one-time, non-refundable option fee to reserve the water.
  - Fee does not guarantee a delivery date for the water.
  - CCW will bring the option fee for Council consideration on October 7.

Water Purchase Agreement Amount	Annual Reservation Fee	
30 MGD	\$1,642,578.98	
40 MGD	\$2,190,105.30	
50 MGD	\$2,737,631.62	



## EV Ranch Project

- Meeting held on September 22 to discuss new project proposal.
- Follow-up meeting with Leadership from EV Ranch will be scheduled in mid-October

# Thank you!

