

# Water Supply Update

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# Water Supply Projects Update

- **Nueces River Groundwater Wells Project**
- **Evangeline Groundwater Project**
- **South Texas Water Authority**
- **EV Ranch Groundwater Project**
- **CC Polymers Seawater Desalination Treatment Plant**
- **Reclaimed Water Infrastructure Project**

# Water Supply Projects Update

## Nueces River Groundwater Wells Project Phase 1 - To River

### Eastern Well Field

- Volume – Permitted for 17,920 acre-feet/year (~16 MGD)
- Permits – Bed & Bank Permit secured on August 7, 2025
- **Timeline** - Wells 1-8 drilled, discharging 5 – 7 MGD

### Western Well field

- Volume – Up to 27 MGD
- Permits – In progress
- **Timeline** – Well 9 pump testing complete and currently drilling well 10

Estimated Capital Cost (Western and Eastern Well Field): \$18M to date. \$30M grant funding secured from the State of Texas

## Nueces River Groundwater Wells Project Phase 2 - Treatment Facility and Pipeline

### Eastern Well Field

- Volume – Sustained production 11 MGD

### Western Well Field

- Volume – Estimated Sustained production 17 MGD
- Permits – Bed & Bank Permit still needed

### Treatment Facility and Pipeline

- Volume – Total estimated sustained production 28 MGD
- Timeline: 2028
- Estimated Capital Cost (Brackish RO and Pipeline for Western and Eastern Well Fields): \$350M

# Water Supply Projects Update



## Project Details:

- **Evangeline Groundwater Project – Phase 1 (Into Mary Rhodes Pipeline)**
  - Volume - 12 MGD
  - Timeline: 2029 (per Garver)
  - Estimated Capital Cost: \$200M
  - Water Rights Purchase: \$169M
- **Meeting held on August 27 to review term sheet.**
- **Property appraisal value will be completed at the end of September.**
- **HDR is working to complete the hydraulic modeling of MRP with Evangeline inputs**
- **Independent hydrogeologist to be retained**

# Water Supply Projects Update

## CC Polymers Seawater Desalination Plant

- Meeting held on August 27 to review project details.
- CC Polymer representative confirmed that their Board has only been briefed on the new approach
- CDM Smith, the City's consultant, provided the following estimates for project cost, timeline, and permitting requirements.
  - Please note that this is still preliminary information and has not been finalized.

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
<b>Total</b>	<b>31.5 MGD</b>	<b>\$654 M</b>		

# NRA – Harbor Island Seawater Desalination

- **Meeting held on August 28 to discuss project terms.**
- **Project Details: Phase 1 – 100 MGD**
  - Procurement: Public Private Partnership (P3) DBFOM & Transfer
  - **Timeline:** Estimated construction start in March 2027 and produce water by December 2029
- **Required Permits**
  1. TCEQ Intake
  2. TCEQ Discharge
  3. USACE (US Army Corps of Engineers) Construction on Harbor Island
  4. USACE Bore under the Island
  5. USACE Right of Way permit for Diversion and Discharge lines into the Gulf

- **Reservation Fees proposed to City**
  - The non-refundable reservation fee provides a one-year option that must be renewed and paid for two years.
  - Fee would be paid out of the operating fund.
  - Reservation fee does not guarantee a delivery date for the water

Water Purchase Agreement Amount	Annual Reservation Fee
30 MGD	\$821,289.49
40 MGD	\$1,095,052.65
50 MGD	\$1,368,815.81

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Thank you!

