

Water Supply Update

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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 - Immediate (discharging 5 – 7 MGD)

Western Well field

- Volume – Up to 27 MGD
- Permits – In progress
- Timeline – Drilling wells now on cleared site

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



- **Evangeline Groundwater Project – Phase 1 (Into Mary Rhodes Pipeline)**
 - Volume - 12 MGD
 - Timeline: 2029 (per Garver)
 - Estimated Capital Cost: \$200M
 - Water Rights Purchase: \$169M
- **Evangeline Groundwater Project – Phase 2 (With RO Treatment and Additional Pipeline)**
 - Volume – Total 24 MGD
 - Timeline: TBD
 - Estimated Capital Cost: \$640M
 - Water Rights Purchase: \$169M

NRA – Harbor Island Seawater Desalination

- **Project Overview: Phase 1 – 100 MGD**
 - Public Private Partnership (P3) DBFOM & Transfer
 - Permits recently submitted for USACE (Feb 2025) and TCEQ discharge (April 2025)
 - Easement Amendment to GLO not submitted yet.
 - Cost model not developed.
 - Timeline (per NRA 8.12.2025 presentation to City Council) – Delivery 2029 – 2032

- **Reservation Fees proposed to City**

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

- The reservation fee provides a one-year option that must be renewed and paid annually.
- Fee would be paid for out of operating fund.



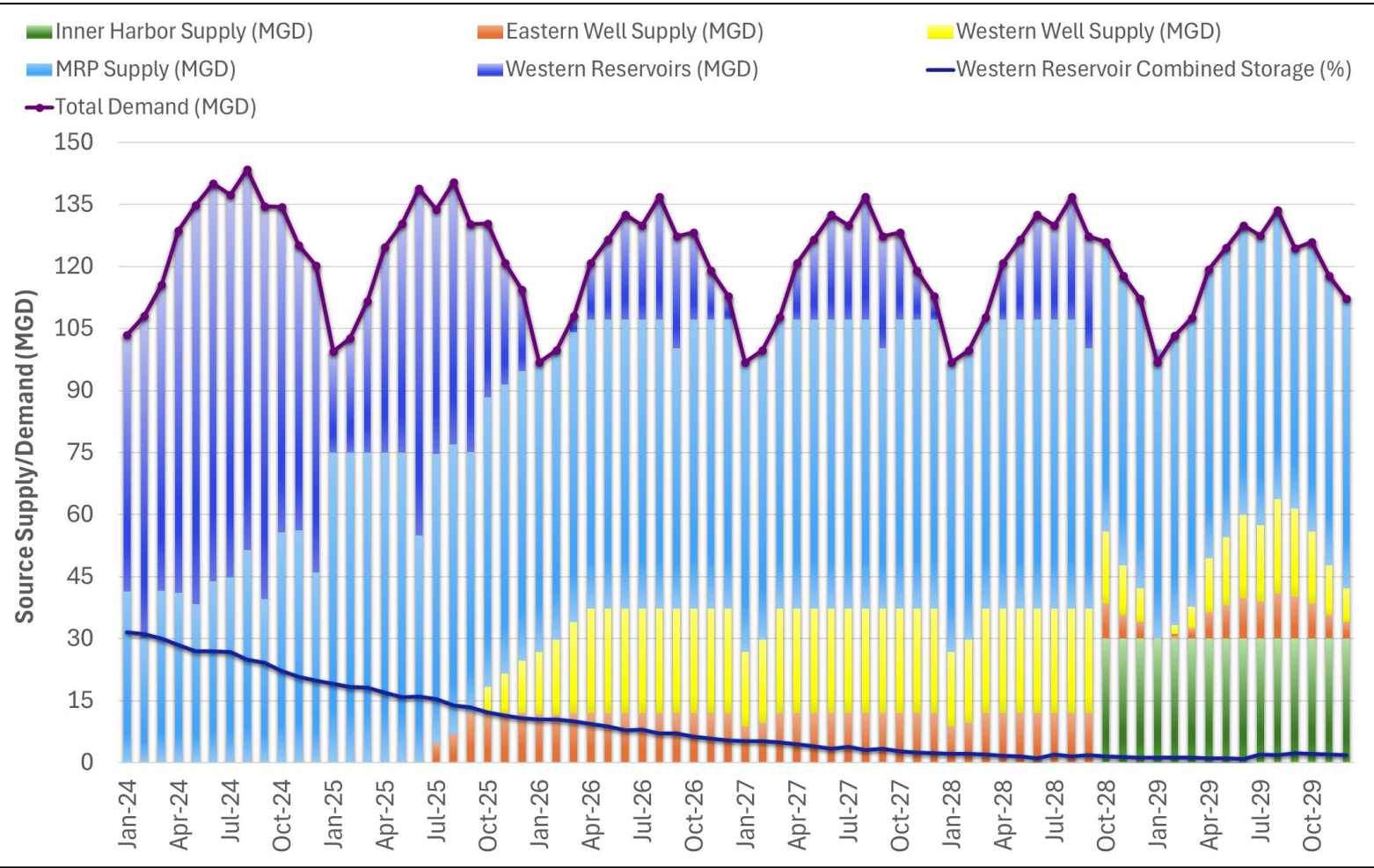
Next Steps for Supplemental Projects

- **Evangeline Groundwater Project**
 - **Wednesday, August 27, 2025**
 - Invited: Project sponsor Council member Carolyn Vaughn, Mayor, City Staff, City Consultant, and Evangeline/Laguna LP
- **CC Polymers Seawater Desalination Treatment Plant**
 - **Wednesday, August 27, 2025**
 - Invited: Project Sponsor Council member Gil Hernandez, Mayor, City staff, CC Polymers, and City Consultants
- **Harbor Island Seawater Desalination Project**
 - **Thursday, August 28, 2025**
 - Invited: City staff and NRA
- **Effluent Reuse Project**
 - **Thursday, August 28, 2025**
 - Invited: City staff and Ardurra
 - **Tuesday, September 9, 2025 – Presentation to City Council**
- **South Texas Water Authority**
 - **Tuesday, September 23, 2025 – Briefing to City Council**



Reservoir Capacity Projections

Water Supply Dashboard Projections



	Eastern Wellfield	Western Wellfield	Inner Harbor
Anticipated Volume (MGD)	Near Term: 11 Long Term: 11	Near Term: 27 Long Term: 17	Long Term: 30
Date online	August 2025	April 2026	October 2028
Projected Date of ZERO water in LCC and CCR	May 2027	May 2029	Never



Four horizontal, wavy bands of blue and cyan colors, resembling water or waves, spanning the width of the slide.

Thank you!



Water Supply Projects Update

- **Evangeline Groundwater Project – Phase 1 (Into Mary Rhodes Pipeline)**
 - Volume - 12 MGD
 - Timeline: Q2 2029 (per Garver)
 - Estimated Capital Cost: \$200M
 - Water Rights Purchase: \$169M

