

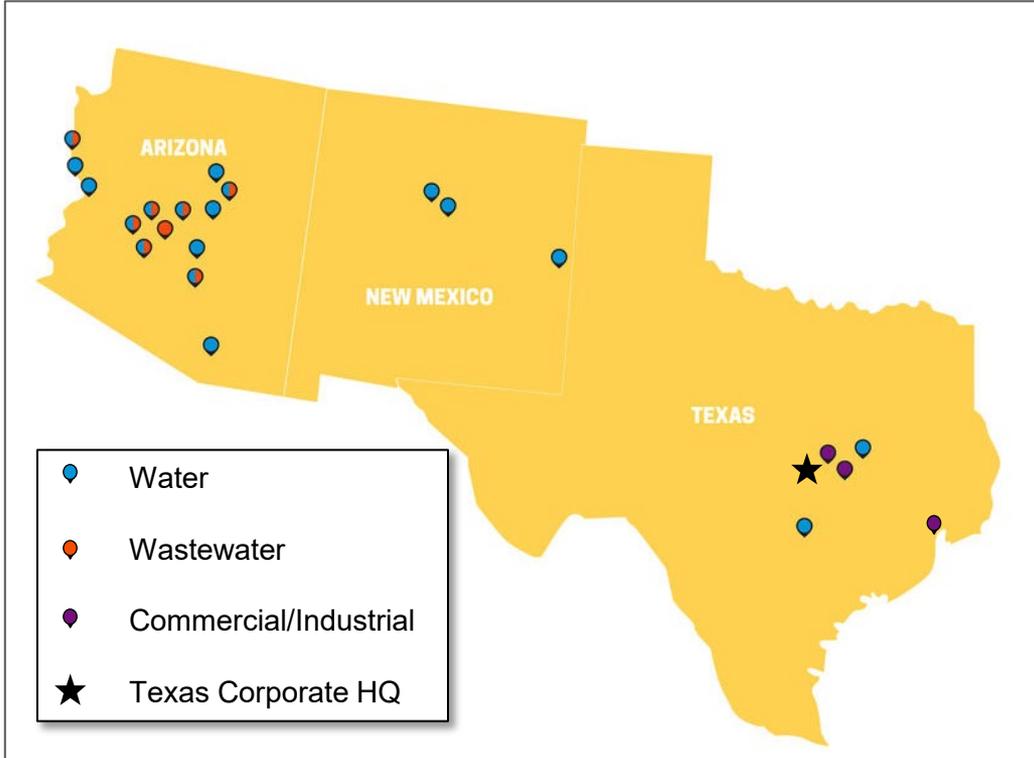
Bayshore Desalination Facility Texas City

“Water for the Future”
Jan. 2026



Former P.H. Robinson Power Plant site (center) looking north, showing Intake Channel (right), Outfall Channel (left) and Galveston Bay (horizon)

U.S. Operations Footprint



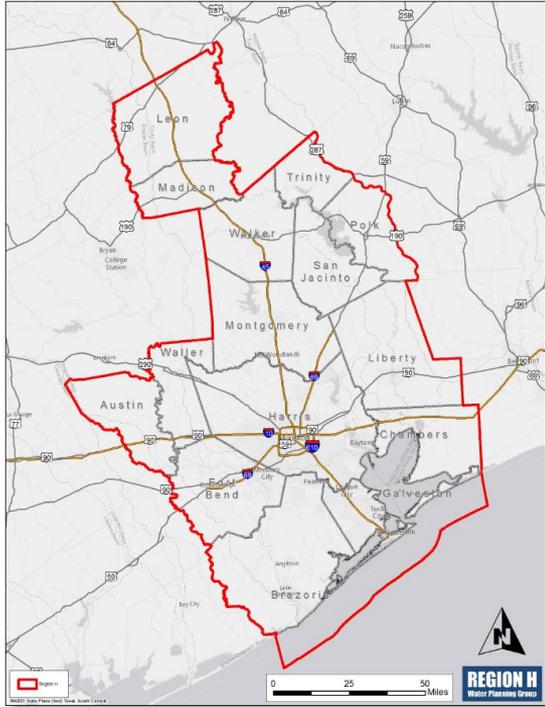
- Over 130 years delivering safe, reliable utility service
- 2 million+ customers across North America
- 600+ U.S.-based employees
- One of the largest regulated private water utilities in the U.S. Southwest

AGENDA

- ❑ Project Overview
- ❑ Permitting Timeline
- ❑ Operations and Performance
- ❑ Questions and Answers

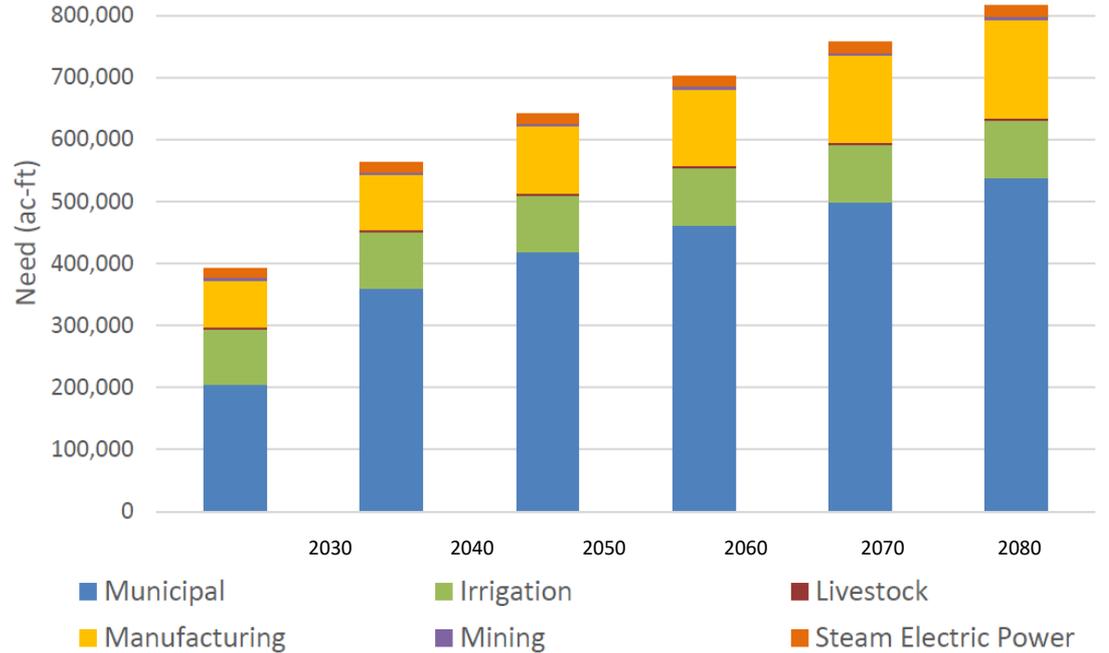


How Much New Water Supply is Needed?



Region H includes 15 counties, 3 major rivers and >7 million residents

Water Need by Decade Region H 2026 Plan

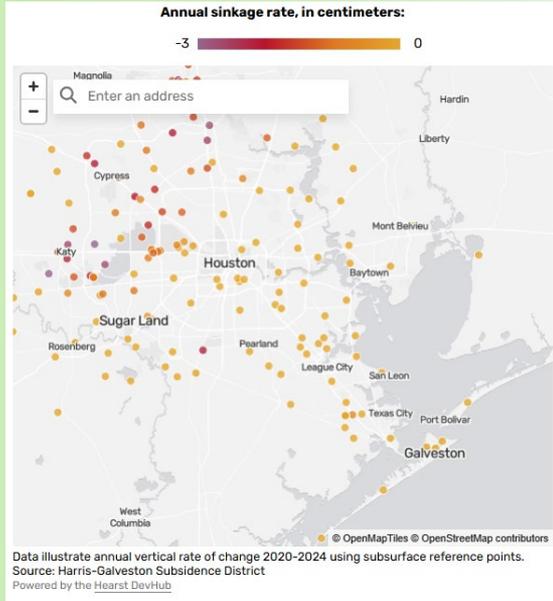


***1 acre foot = 325,851 gallons**

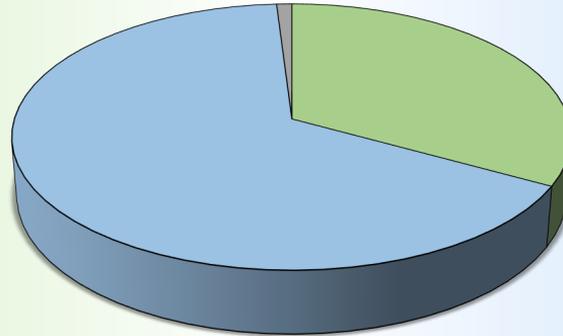
Water Supply Options

Groundwater

Limited by land subsidence



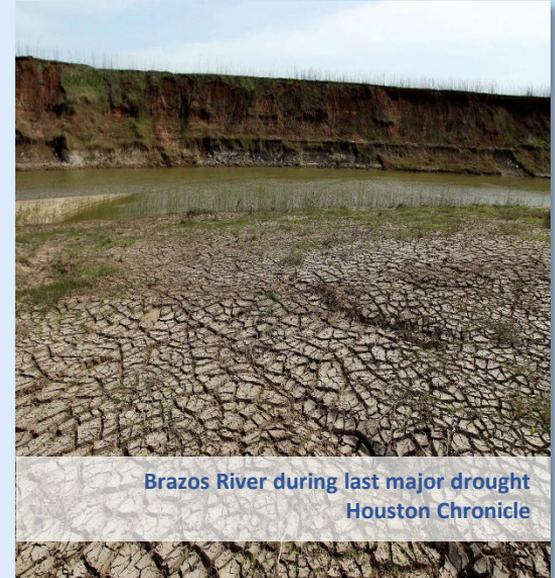
Current sources of Region H water supply:



- Groundwater
- Surface Water
- Other

Surface Water

Limited by drought and upstream use



Water for the Future

P.H. Robinson Power Plant

1966 to 2008

HL&P and NRG withdrew and discharged about 1.2 billion gallons per day of seawater for cooling

2008 to 2024

Decommissioned after Hurricane Ike and dismantled

2024 to Present

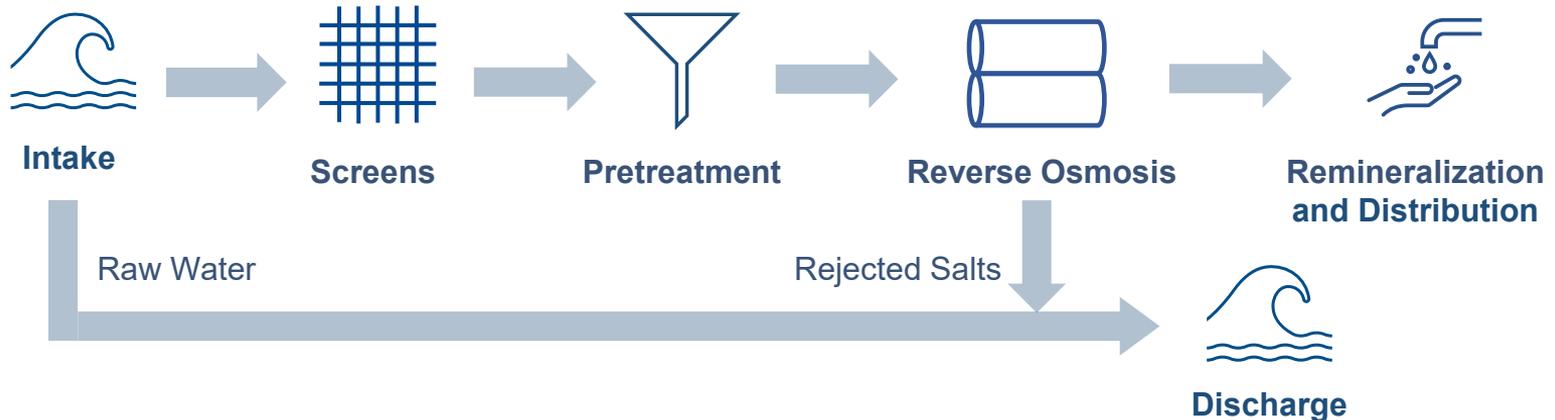
EPCOR evaluates the feasibility of repurposing the site for seawater desalination



What is the Bayshore Desalination Project?

- Treats seawater into **clean, safe, drinking water**
- Designed to **meet all federal and drinking water standards**
- **Prioritizes environmental safeguards** to protect Galveston Bay

Bayshore Desalination Process

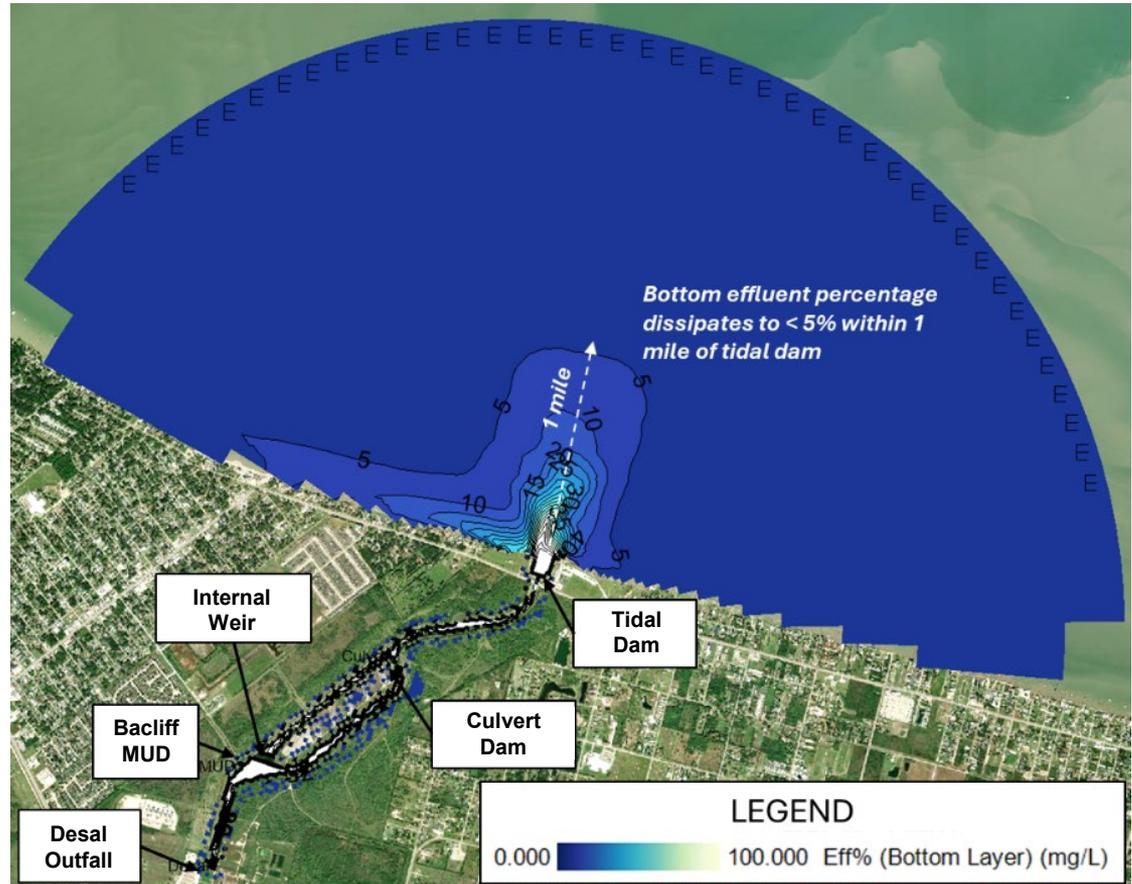


EPCOR Near-field and Far-field Modeling

Key Findings

At the point of discharge:

- **Salinity impact dissipates within 1 mile of the tidal dam** that connects the discharge channel to the bay
- **No significant increase in the risk of hypoxia**

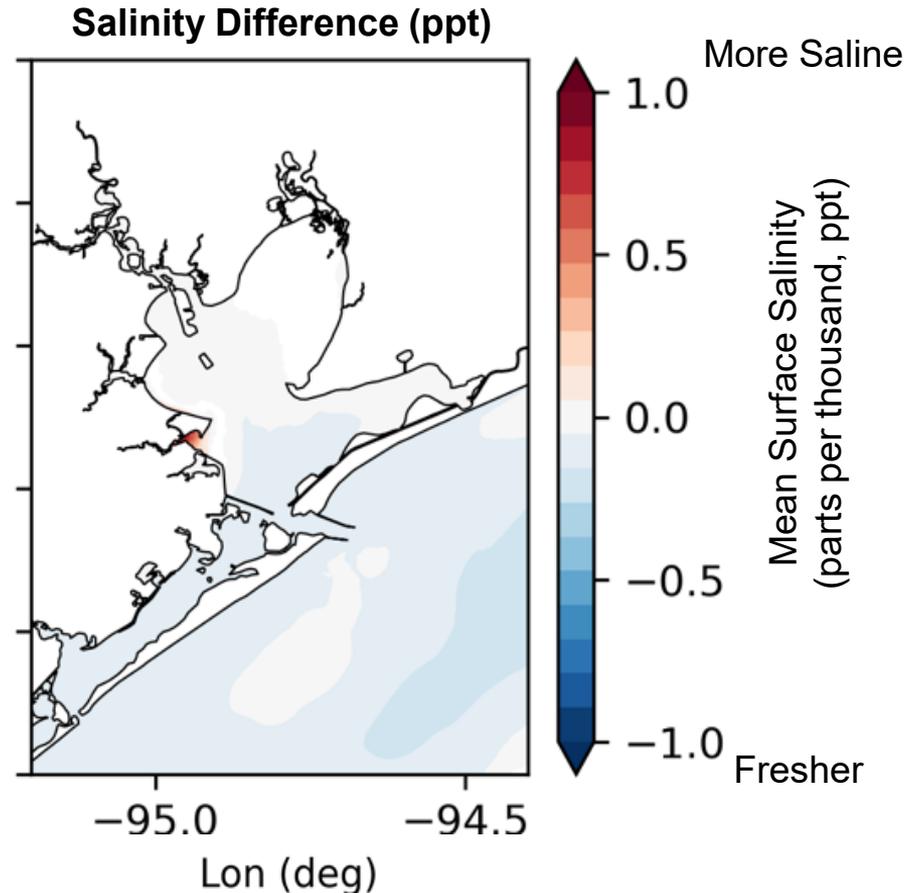


Independent Review – Discharge Salinity

Key Findings

In Galveston Bay:

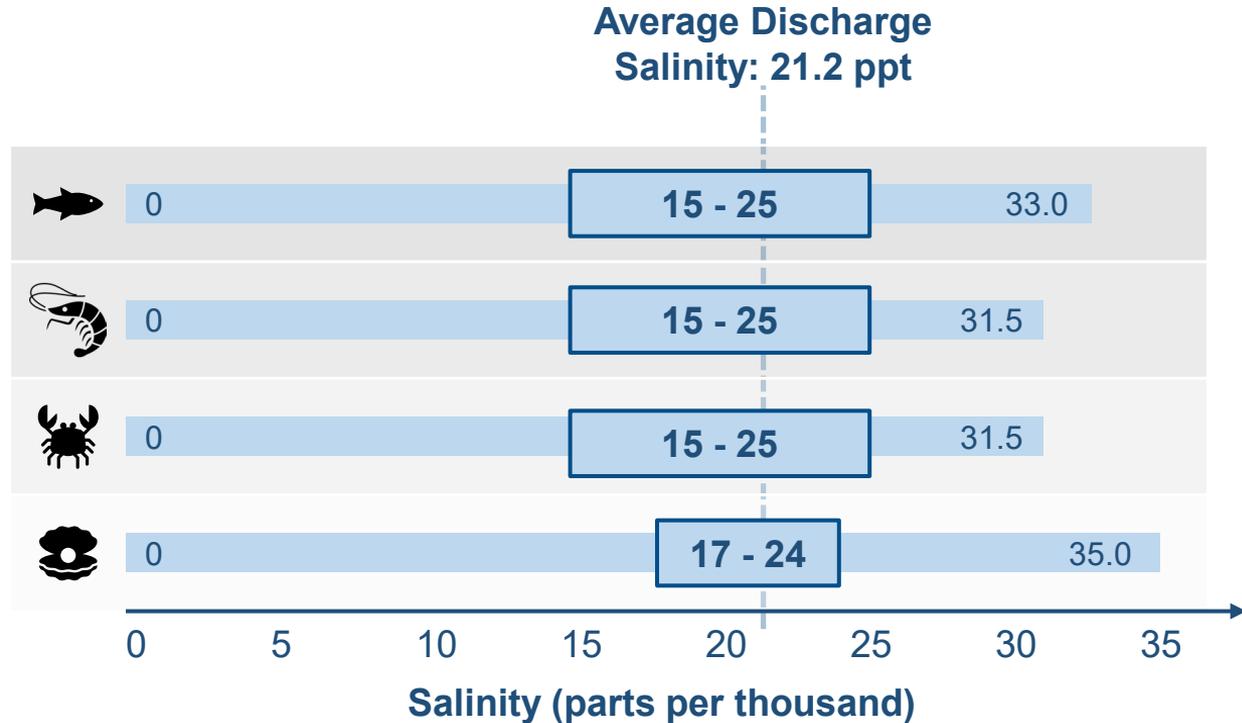
- **No increase in bay salinity**
- **No significant increase in the risk of hypoxia**
- Some reduction in Lower Galveston Bay salinity due to increased circulation



Key Findings

Important species:

- Species tolerate a wide range of salinity in Galveston Bay
- **Optimal salinity range for larval recruitment is generally 15-25 ppt**
- Average discharge salinity (21.2 ppt) falls within optimal range



Built-in Bay Protections

FLOW AUGMENTATION



Uses raw water to reduce salinity before discharge



Effectively used in other sites: Tampa Bay, Florida and Carlsbad, California

INTAKE DESIGN



Low intake velocity minimizes risk of impingement of fish



Small screen size minimizes risk of entrainment of organisms

Permitting Information

TPDES Permit Overview:

- Regulatory oversight to control discharges into surface waters
- Open, public process to review technical components of application including:
 - EPCOR Modeling
 - Texas A&M - Galveston Salinity and Marine Life Impact independent studies



Permitting Timeline

Oct 2025

- TCEQ Discharge Permit application submitted
- BayshoreWaterTX.com made available before TCEQ notice



Nov 2025

- **Ongoing community outreach and engagement**
- **1st notice: TCEQ Discharge Permit Application, available for public review and comment**



~2026

- TCEQ Notice of Application and Preliminary Decision (NAPD) and draft permit issued
- 2nd notice published, draft permit available for public review and comment



~2027

- Final permit considered for approval



~2028

- Commercial contracts and construction begins



Our Track Record



- Project development
- Safety and operational excellence
- Job training and workforce development
- Employee engagement

WATER FOR THE FUTURE

Questions and Answers



BayshoreWaterTX.com



Contact:
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