

Update on Corpus Christi Desalination Plant

CORPUS CHRISTI | DESALINATION PLANT



City Council Meeting
February 24th, 2026

Overview

- Corpus Christi Desal Partners
- Project Status Update
- Project Timeline
- Cost Details



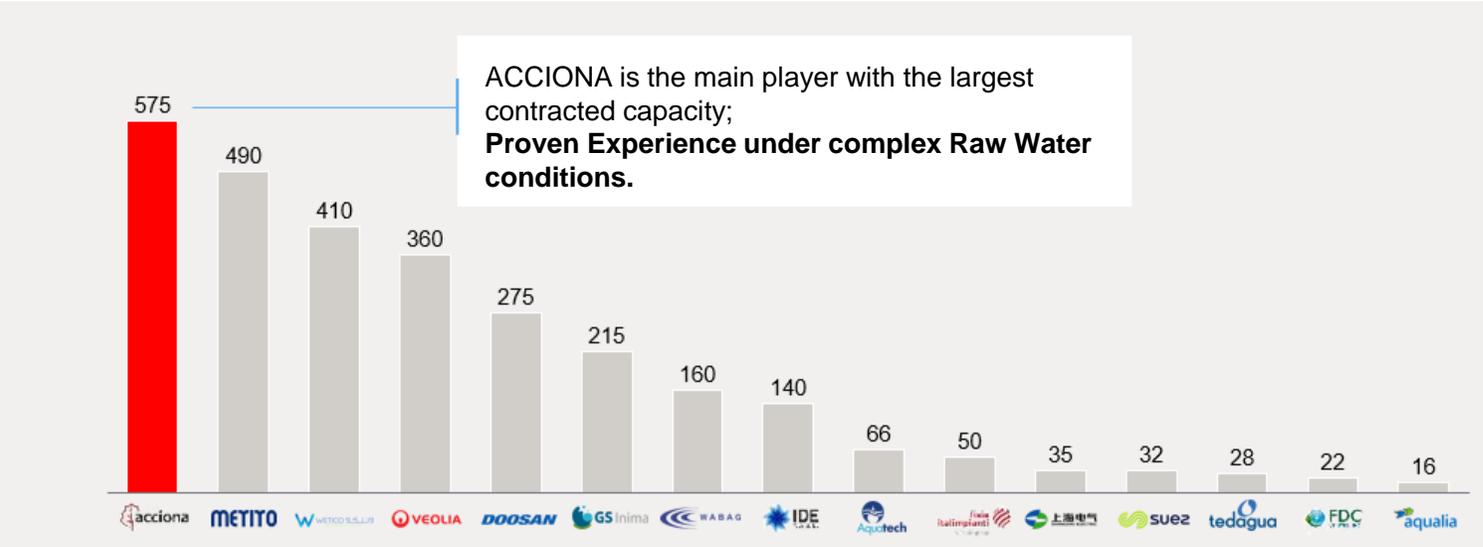
Corpus Christi Desal Partners



ACCIONA brings unmatched global desalination and operational experience—including design and construction of 92 seawater reverse osmosis (SWRO) plants and ongoing operations of 25 SWRO plants. This experience will directly inform design, ensuring efficient, reliable Plant operations through its global resources and in-house R&D capabilities.



Total Desalination Contracted Capacity



92 Desalination Plants
4 among the biggest in the world
 + **550 PLANTS MANAGED (25 SWRO)**

1,849 MGD capacity installed
World leaders in reverse osmosis
32.7 million people (population equivalent)

IN-HOUSE TECHNOLOGIES
22 patent families and 60 brands granted
+65,000 Employees in 40 Countries

Corpus Christi Desal Partners



MasTec's National and local construction and infrastructure experience reduces Project risk and accelerates delivery, leveraging large-scale project capabilities and Texas market knowledge.



MasTec is also ranked as the largest minority-controlled general contractor in the U.S.

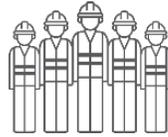
2025 ENGINEERING NEWS-RECORD TOP 400 CONTRACTORS

MASTEC RANKS

#5



\$4 BILLION
BONDING
CAPACITY



35,000+
EMPLOYEE
NETWORK

90+

YEARS
EXPERIENCE



\$905M
EQUIPMENT
FLEET



Contractor
MINORITY
CONTROLLED

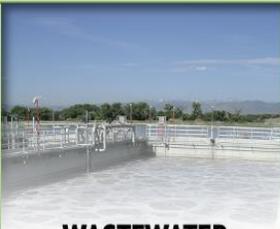
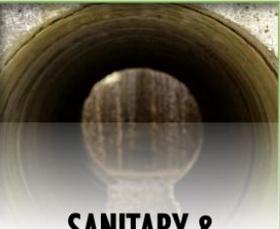
Corpus Christi Desal Partners



ARDURRA's long-standing local relationships and intimate understanding of Corpus Christi's water system provides seamless Plant integration. Their regulatory expertise expedites permitting and funding processes to safeguard the Project against potential delays.

- ✓ Engineering track record in Water Sector.
- ✓ TCEQ / TWDB Experience and Knowledge
- ✓ Local presence and CCW experience.

ENR Engineering News-Record **THE 2024 TOP 500 SOURCEBOOK RANKINGS:**

 <p>WATER SUPPLY #19 Up from #20</p>	 <p>SEWER & WASTE #14 Up from #17</p>	 <p>WATER TREATMENT & DESALINATION #11 Up from #12</p>	 <p>WASTEWATER TREATMENT #10 Up from #12</p>	 <p>WATER TRANSMISSION LINES & AQUEDUCTS #13 Up from #17</p>	 <p>SANITARY & STORM SEWERS #19 Up from #21</p>
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Project Status Update

Project Overview:

- MOU for Revised Approach
- Review of Prior Work
- Approval to Negotiate (No Commitment)
- Far Field Study in Parallel
- Proposed Combined Phase 1A-1B
- 60% Design & GMP Validation
- Final Design and Construction 2029



Project Status Update

Corpus Christi Desal Partners: Revised Approach

A. Review and Leverage Existing Information and Efforts to Date

B. Re-Evaluate Raw Water Characteristics and Finished Water Specifications

**C. Leverage Experience to Develop a Cost-effective Solution
(Design, Procurement and Construction)**

**D. Define Alternatives to Adjust the Facility as Design
Progresses with an Aim to Drive Price Certainty on GMP**

E. Source Local Contractors to Validate Unit Pricing

Project Status Update

Modified Approach:



Relocate Raw Water Pump Station



Update Raw Water Pipeline



Design/Construction Approach



Change from 7 to 6 RO Racks



Removal of Additional Navigation Station Tanks



Optimized Buildings Design



Individual System Pricing Approach



Local Price Validation

Project Status Update

CCDP Facility Design:



Project Status

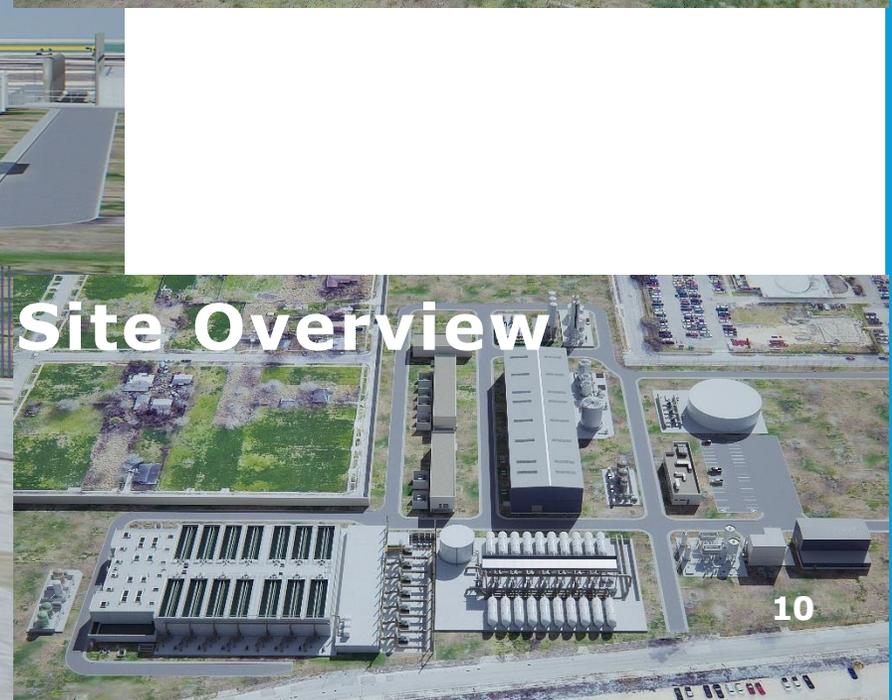
CCDP Facility Design:



Pretreatment actiDAFF



Site view



Site Overview

Project Status

CCDP Facility Design:



Post treatment and disinfection



RO Building



Pressurized Filters

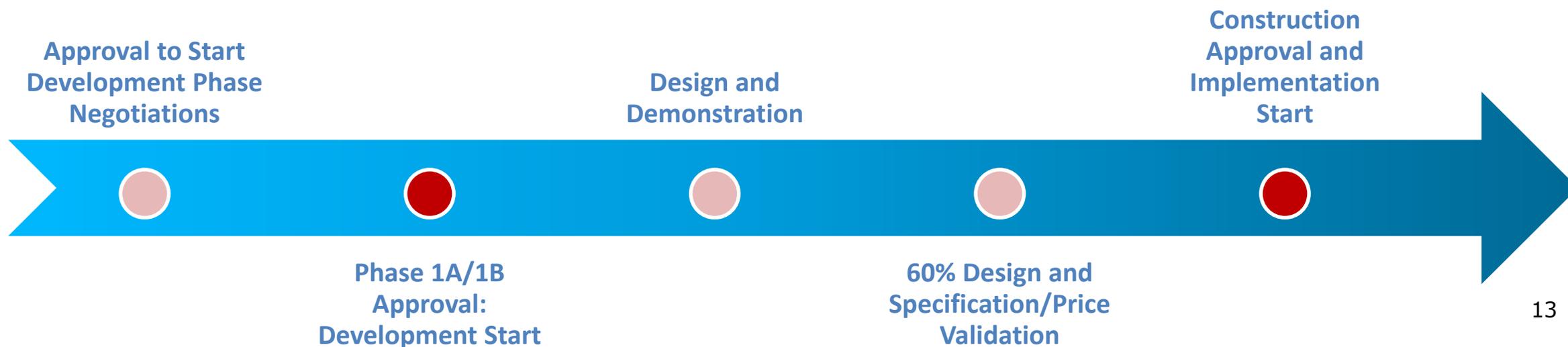
Project Site Flyover



Project Status Update

Current Status and Upcoming Milestones:

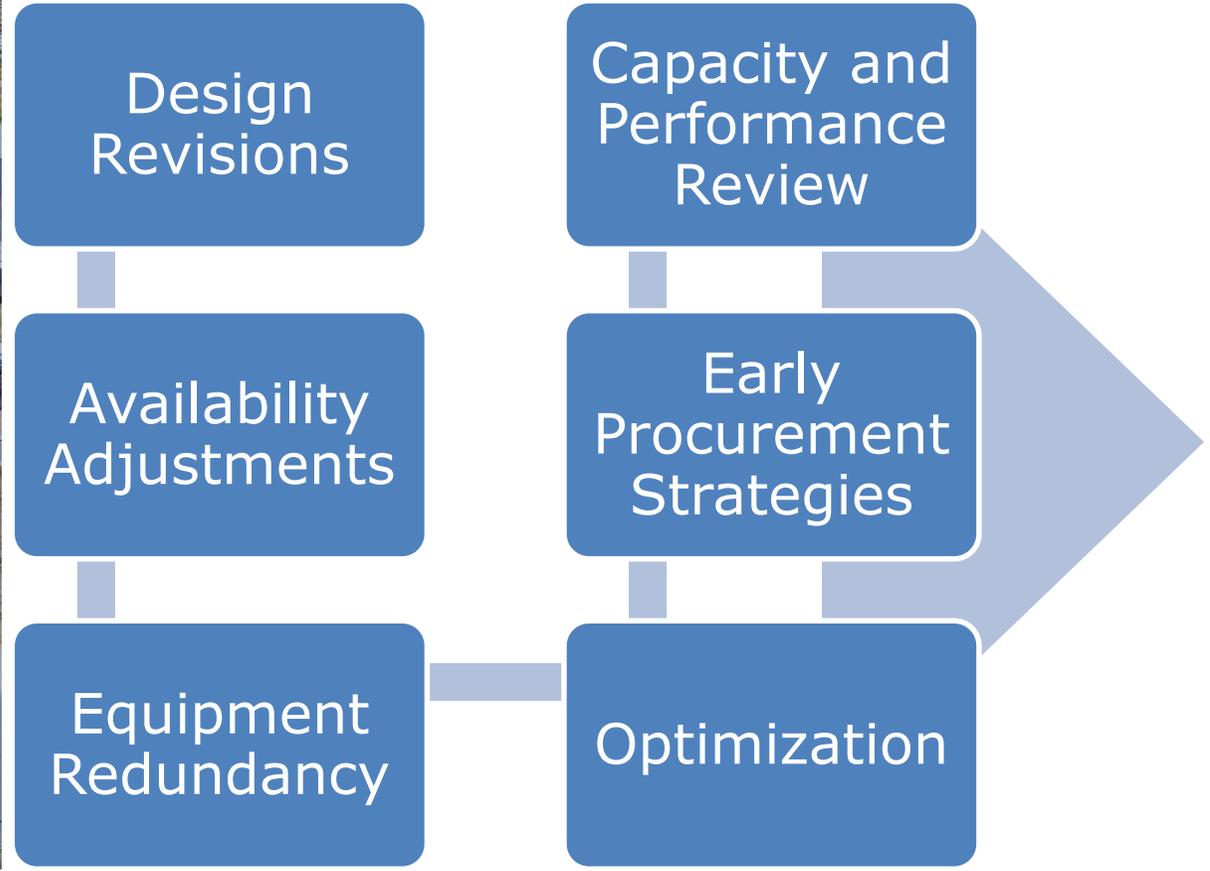
- Pending Approval to Commence Negotiations (No Commitment)
- Combined Phase 1A & 1B: Design, Demonstration Plant and Price Validation



Project Status Update



Revised Approach for GMP



GMP Validation

Project Timeline

TASK	START	END	DURATION (Days/Months)
Phase 0			
Proposal Presentation and Council Approval	2/24/26	2/24/26	-
Development Phase Negotiation	2/25/26	3/27/26	30/1
Council Approval and Notice to Proceed	3/31/26	3/31/26	-
Design, Piloting and GMP Development			
Phase 1A (Planning, BOD and Pilot Procurement)	4/1/26	9/28/26	180/6
Phase 1B (60% Design, Piloting and GMP Development)	9/29/26	3/28/27	180/6
GMP and Design Details Validation	3/29/27	4/28/27	30/1
Final Design and Construction			
Council Approval and Notice to Proceed	5/11/27	5/11/27	-
Complete Design	5/12/27	1/7/28	240/8
Construction	5/12/27	10/28/29	900/30
Mechanical Completion	10/29/29	10/29/29	-

Project Cost Breakdown

Project Phase	CCDP Proposal (\$M)	Previous 10% Design Stage (\$M)	Delta (\$M)
Project Administration, Technical Support and Construction Inspection Services (Owner's Advisor)			
Phase 1A – Planning, Pilot Protocol, and Basis of Design		10,000,000	
Phase 1B – Design, Early Works, and Guaranteed Maximum Price (GMP)		95,000,000	
Subtotal - Phase 1 Cost	78,610,000	105,000,000	26,390,000
Phase 2 – Final Design and Engineering Services			
Phase 2 – Construction			
Subtotal - Phase 2 Cost	900,160,000	1,210,000	309,840,000
Total Project Cost	978,770,000	1,315,000,000	336,230,000

25% Reduction

Construction Cost Details

Phase 2. Construction Cost category	CCDP Proposal	Previous 10% Design Stage
Marine Works	\$130,988,000	\$171,000,000
Treatment Plant Labor and Construction Equipment	\$542,962,000	\$681,400,000
Civil & Structural & buildings	\$186,680,000	\$292,600,000
Piping & Process equipment	\$253,547,000	\$280,500,000
Electrical and Instrumentation	\$102,735,000	\$108,300,000
Product Waterline & Navigation pump improvements	\$56,267,000	\$121,400,000
Subtotal	\$730,217,000	\$973,800,000
Escalation	\$43,813,000	\$78,700,000
Contingency	\$43,813,000	\$70,000,000
Subtotal	\$817,843,000	\$1,122,500,000
Bonds and Builders Risk Insurance	\$10,757,000	\$10,300,000
General Conditions	\$71,560,000	\$77,200,000
Total Cost	\$900,160,000	\$1,210,000,000

Project Cost and Rate Impact

30 million gallons per day 

Land acquisition secured 

Upgraded Navigation Pump Station 

All permits attained 

Project Cost \$978.8M 

Project	Water Rights Purchase	CAPEX	Total CAPEX / Water Rights	Annual OPEX	Cost of Water per 1,000 gal.	Current Raw Water Rate per 1,000 gal.	New Raw Water per 1,000 gal.	Raw Water Rate Increase per 1,000 gal.
CCDP Seawater Desalination – 30 MGD (Inner Harbor) – Current Assumptions	-	\$978.8M	\$978.8M	\$32M	\$8.05	\$1.18	\$3.48	\$2.30

Project	Monthly Bill Increase for Average Residential (6,000 gallons)	Monthly Bill Increase for Average Commercial (20,000 gallons)	Monthly Bill Increase for Average Large Volume (90,000,000 gallons)
CCDP Seawater Desalination – 30 MGD (Inner Harbor) – Current Assumptions	\$13.80	\$46.00	\$207,000.00

- Removal of \$6M Drought Surcharge Exemption Fee Revenue
- Revenue bond interest rate beyond SWIFT adjusted from 4.3% to 5%
- Billed volume decreased from initial estimate due to drought

Upcoming Steps and Actions

- **Farfield Modeling**

- Qualifications from Modelers were due February 23
- Modeler information provided to the committee February 25
- Committee will provide feedback by March 2
- Modelers to be discussed at the March 5 committee meeting

- **Owners Representative**

- Qualifications have been received
- Selection Panel will review qualifications
- Owners Representative Contract would be presented for council consideration in April 2026

- **Operations and Maintenance Agreement**

- Request for proposals to be developed
- Request for proposals to be issued after April 2026

Staff Recommendation

Staff recommends authorization of contract negotiations with CCDP, allowing for the development of a guaranteed maximum price, demonstration plant, and design to 60% for the Inner Harbor Desalination Plant project.



CITY OF CORPUS CHRISTI
**CORPUS CHRISTI
WATER**