BROWNSVILLE
PUBLIC UTILITIES BOARD

Information current as of October 2026

Optimization and Expansion of the Southmost Regional Water Authority (SRWA)

Project Overview

BPUB is seeking funding to optimize and expand the Brackish Groundwater Treatment Facility from 7.5 MGD to 10.3 MGD, with a long-term goal of 20 MGD. A 2023 engineering study identified 15 projects to support the optimization.

Planning-level cost estimate: Approximately $292.3 million. Project costs are 2024 estimates and subject to refinement as planning, design, funding, procurement, and market conditions evolve. For the most current project information, visit **www.bpub.com/projects**.

Technical Specifications

Optimization to 10.3 MGD - $20.97 million:

- Reconstruction of 20 wells
- Construction of 2 new wells
- Upgrade and increase the capacity of the microfiltration system
- Upgrade the reverse osmosis system
- Upgrade electrical and instrumentation systems
- Improve chemical dosing and storage systems

Expansion to 20 MGD - $271.3 million:

- Construct 22 new wells, a raw water transmission line, an intermediate pump station and additional reverse osmosis trains
- Expand and enhance the pretreatment system
- Install and upgrade the pumps and ancillary equipment
- Upgrade electrical and instrumentation systems
- Install a new backup generation system

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SRWA Optimization & Expansion Project

Total Estimated Cost: $292.3 Million

Brownsville Public Utilities Board (BPUB) is implementing a project to optimize and expand the Southmost Regional Water Authority (SRWA) plant. The project aims at restoring the plant to its 10.3 MGD nameplate capacity and support a future 10 MGD expansion, increasing the facility's total treatment capacity to approximately 20 MGD to meet future regional water demands.

Information current as of October 2026 | **2 Completed** | **1 In Progress** | **7 Planned**

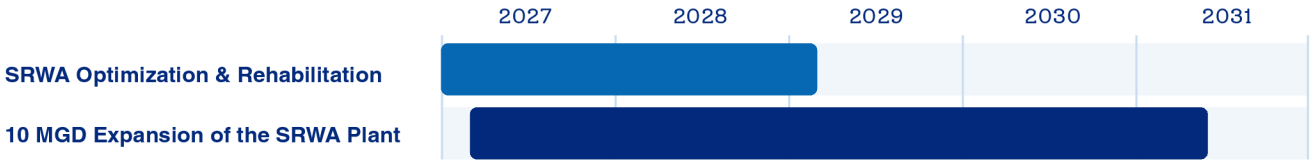
Phase I - Plant Optimization (10.3 MGD) | $20.97 Million

Hydrogeologic Study	0%	Planned
Optimization Study	100%	Completed
Rehabilitation of 6 Existing Wells	In Progress	In Progress
Rehabilitation of 14 Existing Wells	0%	Planned
2 New Wells	0%	Planned
Tier 1 Project: RO Membrane Replacement	100%	Completed
Addressing the Tier 1 Projects in the Optimization Study for Current Design Capacity as Recommended	0%	Planned

2 of 7 tasks completed

Phase II - 10 MGD Expansion (20 MGD Total Capacity) | $271.3 Million

Desalination Plant and Related Onsite Facilities	0%	Planned
22 New Wells	0%	Planned
18 Miles of Raw Water Pipeline (36 Inch) on Existing Road ROW Outside Pavement to New Desalination Plant	0%	Planned

0 of 3 tasks completed

SRWA Optimization & Expansion Schedule