

Optimization and Expansion of Southmost Regional Water Authority (SRWA)

Project Overview

BPUB is seeking funding to optimize and expand the Brackish Groundwater Treatment Facility to increase production from 7.5 MGD to 10 MGD, with a long-term plan to expand to 20 MGD. An engineering study in 2023 identified 15 projects to achieve this, with an estimated cost of \$46,836,000 million.

The potential 20 MGD expansion is estimated at \$202,000,000 million.

Technical Specifications

Optimization to 10 MGD:

- 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:

- Construct 20 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 of the pumps and ancillary equipment
- Upgrade electrical and instrumentation systems
- Install a new backup generation

