

MEMORANDUM

TO: Governing Board Members

FROM: Lucine Dadrian, P.E., Engineering, Construction & Modeling

DATE: March 5, 2026

SUBJECT: Lake Okeechobee Watershed Restoration Project - C-38S Aquifer Storage and Recovery Demonstration Treatment Facility - Membrane Equipment Pre-Selection and Pre-Purchase, Glades County

Agenda Item Background:

As part of the Comprehensive Everglades Restoration Plan - Lake Okeechobee Watershed Restoration Project (LOWRP) Aquifer Storage and Recovery program, the C-38S Aquifer Storage and Recovery (ASR) Demonstration Treatment Facility - Membrane Equipment Pre-Selection and Pre-Purchase, located in Glades County, will provide treatment for 10 million gallons per day (MGD) of surface water from the C-38 Canal through the C-38S ASR Demonstration Facility. This facility will allow the demonstration cycle testing necessary to address the National Academy of Sciences, National Research Council (NRC, 2015) recommendations on the CERP ASR Pilot Studies. The membrane equipment pre-selection and pre-purchase is necessary to complete the Final Design of the Demonstration Treatment Facility.

The C-38S ASR facility will be expandable to accommodate 50 MGD once cycle testing is successfully completed. The Demonstration Facility will run separate membrane systems from separate pre-qualified suppliers to gain more understanding and conduct additional testing prior to selecting the type of membrane that will be used in the future expansion. The membranes have a long lead time so the Membrane Equipment Pre-Selection and Pre-Purchase will allow a shorter overall facility construction schedule.

On December 12, 2024, the Governing Board authorized District staff to enter into contracts with Veolia WTS Systems USA Inc., FilmTec Corporation and Aqua Aerobic Systems, Inc., subject to successful negotiations. Successful Negotiations were reached with FilmTec Corporation and Aqua Aerobic Systems, Inc. A Request for Updated Proposals was provided to the vendors on September 5, 2025, and received on October 1, 2025. Approval of the agenda item will provide authorization to enter into contracts with FilmTec Corporation and Aqua Aerobic Systems, Inc.

Additional Item Background:

Core Mission and Strategic Priorities:

LOWRP ASR Demonstration Treatment Facility Project supports the District's core mission of ecosystem restoration, water supply and flood control.

Funding Source:

LOWRP ASR Demonstration Treatment Facility Project will be funded through dedicated funds (State General Revenue, Land Acquisition Trust Fund, and State Grant).

Staff Contact and/or Presenter:

Lucine Dadrian, P.E., ldadrian@sfwmd.gov, 561-682-2685

ATTACHMENTS:

[Resolution No. 2026-0304](#)

[Backup Presentation](#)