

MEMORANDUM

TO: Governing Board Members

FROM: Jennifer Reynolds, Ecosystem Restoration & Capital Projects

DATE: September 8, 2022

SUBJECT: Biscayne Bay Coastal Wetlands - Cutler Flow Way Phase 1, Pump Station S-701, Miami-Dade County

Agenda Item Background:

As part of the Comprehensive Everglades Restoration Plan, the Biscayne Bay Coastal Wetlands (BBCW) - Cutler Flow Way Phase 1, Pump Station S-701 includes the construction of a new 400 cubic feet per second (cfs) pump station located on the C-1 Canal. The S-701 Pump Station will be an unmanned, remotely controlled pump station with three (3) 100-cfs and two (2) 50-cfs electric-motor-driven pumps.

The S-701 Pump Station, together with features to be constructed under a separate contract, will complete the BBCW - Cutler Flow Way Phase 1 Project. Pump Station S-701 will deliver freshwater from the C-1 Canal to a concrete lined channel approximately 7,000 feet in length. The concrete lined conveyance channel will run under SW 97th Avenue via a concrete box culvert to a micro tunnel under the L-31E Canal and SW 87th Avenue and discharge freshwater into a spreader canal approximately 2.5 miles in length. Upon exiting the spreader canal, the water will rehydrate coastal wetlands and reduce point-source freshwater discharge to Biscayne Bay and Biscayne National Park.

Core Mission and Strategic Priorities:

The BBCW - Cutler Flow Way, Phase 1 Pump Station, S-701 Project supports the District's core mission of ecosystem restoration.

Funding Source:

The project will be funded through dedicated funds (Land Acquisition Trust Fund).

Staff Contact and/or Presenter:

Alan Shirkey, ashirkey@sfwmd.gov, 561-682-2579

ATTACHMENTS:

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