Florida Statute 373.4598 Water Storage Reservoir

- Directs the expedited design and construction of a water storage reservoir in the Everglades Agricultural Area (EAA)
- Increases southern storage features to reduce high-volume discharges from Lake Okeechobee
- Modifies the congressionally authorized Central Everglades Planning Project (CEPP) as part of the Comprehensive Everglades Restoration Plan (CERP)
- Includes reservoir storage capacity of at least 240,000 acre-feet, and necessary water quality treatment and conveyance features
- Directs SFWMD to develop a CEPP Post Authorization Change Report jointly with USACE for submission to Congress for approval
- Requires the South Florida Water Management District meet certain timelines for implementing the project
Potential Courses of Actions Identified with the USACE

CERP Design Agreement
- Central Everglades Planning Project Re-Evaluation Report – 2 to 3 years
- Advance the EAA Storage Project on the Integrated Delivery Schedule and develop Project Implementation Report using SMART Planning – typically 3 years

Regulatory Approach
- Section 408 application for infrastructure changes – no federal cost share

Section 203 of WRDA 1986
- SFWMD utilization of Section 203 process, completes study report for transmission to the Office of the Assistant secretary of the Army, Civil Works
- Requires execution of a Memorandum of Agreement by and between the USACE and SFWMD
- Requires execution of Support Agreement(s) to pay the USACE for technical assistance services rendered
- Section 203 process identified as the best option to meet the project timelines codified in State law
System-wide Perspective

Pre-drainage Flows

Current Flows

Restored Flows

HISTORIC FLOW

CURRENT FLOW

RESTORED FLOW
Comprehensive Everglades Restoration Plan (CERP)

- 68 Components
  - Storage
  - STAs for water quality
  - Seepage management
  - Removing barriers to flow
  - Revised operations
- 30+ year implementation
South Florida Ecosystem Restoration

**NON-CERP & FOUNDATION PROJECTS**
- Modified Water Deliveries to Everglades National Park
- Kissimmee River Restoration
- C-111 South Dade
- C-51/Storm Water Treatment Area (STA) 1E
- Storm Water Treatment Areas/Restoration Strategies
- Tamiami Trail Bridging & Roadway Modifications
- Herbert Hoover Dike (HHD) Rehabilitation
- Seminole Big Cypress Critical Project

**CERP GENERATION 1 PROJECTS**
- Indian River Lagoon (IRL) - South
- Picayune Strand
- Site 1
- Melaleuca Annex Facility

**CERP GENERATION 2 PROJECTS**
- C-43 Reservoir
- Broward County Water Preserve Areas (WPA)
- C-111 Spreader Canal Western Project
- Biscayne Bay Coastal Wetlands Phase 1

**DECEMBER 2016 AUTHORIZATION**
- Central Everglades Planning Project (CEPP)

**PLANNING EFFORTS**
- Loxahatchee River Watershed Restoration
- Western Everglades Restoration
- Lake Okeechobee Watershed Restoration

**EVERGLADES AGRICULTURAL AREA STORAGE RESERVOIR**
Everglades Agricultural Area Storage Reservoir Feasibility Study

- Next increment of storage and necessary treatment to provide progress towards the level of restoration envisioned for the CERP
- Continue to improve the quantity, quality, timing and distribution of water flows to the Northern Estuaries and central Everglades
- Be consistent with federal program and policy requirements to maintain eligibility for federal cost share
CEPP Recommended Plan ALT 4R2

- **PPA New Water**
  - A-2 Flow Equalization Basin (FEB)
  - Seepage Barrier, L-31N Levee

- **PPA North**
  - L-6 Canal Flow Diversion
  - L-5 Canal Conveyance Improvements
  - S-8 Pump Station Complex Modifications
  - L-4 Levee Degrade and Pump Station
  - Miami Canal Backfill

- **PPA South**
  - S-333 Spillway Modification
  - L-29 Canal Gated Spillway
  - L-67A Conveyance Structures
  - L-67C Levee Gap
  - L-67C Levee Degrade
  - Blue Shanty Levee, WCA 3B
  - L-29 Levee Degrade
  - L-67 Extension Levee Degrade and Canal Backfill
  - Old Tamiami Trail Removal
  - S-356 Pump Station Modifications
  - System-wide Operations Refinements
Florida State Law

Chapter 2017-10 Requirements as it relates to Post-Authorization Change Report

- Engage landowners on a ‘willing seller’ basis

- 240,000 acre-feet of storage and necessary treatment on A-2 Parcel plus conveyance improvements

- 360,000 acre-feet of storage and necessary treatment on A-1 and A-2 Parcels plus conveyance improvements

- Report to State Legislature by January 9, 2018

- Submit Post-Authorization Change Report to Congress for approval by October 1, 2018
Constraints

- **WRDA 2000 Sec. 601(h)(5); Sec. 373.1501, F.S.**
  - Elimination or transfer of existing legal sources of water must be addressed
  - Maintain existing level of flood protection

- **Meet applicable water quality standards**
  - Will not cause or contribute to a violation of state water quality standards, permit discharge limits or specific permit conditions
  - Reasonable assurances exist that adverse impacts on flora and fauna will not occur

- **Remain within federal authorities (CERP)**
Planning Process & Schedule

• Notified private landowners of interest to acquire lands – June 20, 2017

• Requested USACE jointly develop a Post Authorization Report for the Central Everglades Planning Project – July 1, 2017

• While awaiting agreement from USACE to jointly develop a Post Authorization Report, SFWMD initiated project planning – August 1, 2017

• Assistant Secretary of the Army instructed staff to develop a Section 203 Memorandum of Agreement with the SFWMD – October 24, 2017

• Execution of Section 203 Memorandum of Agreement between SFWMD and USACE – pending
  • Risks – NEPA compliance, federal technical and policy compliance, cost share

• Governing Board approval to enter into one or more Support Agreements (SA’s) with the USACE – November 9, 2017
Planning Process & Schedule

- Public Scoping Comment Deadline – November 22, 2017
- Update to Florida State Legislature - by January 9, 2018
- Draft Report complete – by January 30, 2018
- Final Report and submittal to Assistant Secretary of the Army for Civil Works – by March 30, 2018
- ASA(CW) submit report to Congress – by October 1, 2018
- Anticipated Congressional authorization – by December 31, 2019
Public Meetings

- Project Scoping - Oct 23 – Clewiston
- Project Scoping - Oct 26 – West Palm Beach
- Project Features and Evaluation Tools - Oct 31 – West Palm Beach
- Staff Report - Nov 2 – WRAC West Palm Beach
- Plan Formulation - Nov 6 – West Palm Beach
- November 9 – Governing Board – Doral
- Governmental Agency Meeting - Nov 15 – Teleconference
- Array of Alternatives – Nov 15 - Clewiston
- Array of alternatives – Nov 16 – West Palm Beach
Memorandum of Agreement Service Agreement(s)

- Federal Register Notifications
- Review and comment on project scope and plan formulation strategy
- Tribal Consultation
- Fish and Wildlife Coordination Act (FWCA) compliance with the US Fish and Wildlife Service (USFWS)
- Endangered Species Act Section 7 Consultation with the US Fish and Wildlife Service (USFWS)
- Review of project modeling, costs and benefit calculations
- Essential Fish Habitat (EFH) Consultation with the National Oceanic and Atmospheric Administration (NOAA) Fisheries
- Technical review from the Ecosystem Restoration Planning Center of Expertise (Eco-PCX)
- Value Engineering and Certification
- Cost Engineering Review and Certification
Resolution 2017-1107

A Resolution of the Governing Board of the South Florida Water Management District authorizing entering into one or more Support Agreements with the U.S. Army Corps of Engineers to provide technical assistance services in the development of a Post Authorization Change Report for the Central Everglades Planning Project in an amount not to exceed $1,500,000, for which funds are budgeted for Fiscal Year 2017-2018; providing an effective date. (Contract No. 4600003768)
DISCUSSION

www.sfwmd.gov/EAAreservoir