SFWMD Program and Project Update

Working Group/ Science Coordination Group Meeting

June 23, 2020

Megan Jacoby, Principal Federal Policy Analyst
Ecosystem Restoration & Capital Projects
SOUTH FLORIDA ECOSYSTEM RESTORATION PROJECTS
C-44 Reservoir & STA

- **SFWMD Projects:**
  - S-404 Spillway - complete
  - Pump Station – complete
  - STA – construction schedule
    - Cells 1-5 complete
    - Cell 6 in 2020

- **USACE Project:**
  - Reservoir – construction ongoing

Presenter – Megan Jacoby
C-44 STA

Distribution Canal looking West

Cell 4 grading

Hydration Station

Cell 2 looking North

Cell 4 looking North

Presenter – Megan Jacoby
C-43 Reservoir

- State began construction in 2015
  - Package 1: Preload and Demolition – Complete
  - Package 2: Construction of S-476 (195 cfs) Pump Station completion – April 2019
  - Package 3: S-470 (1500 cfs) Pump Station completion - Spring 2022
  - Package 4: Civil works completion – 2023
C-43 Reservoir Construction

Presenter – Megan Jacoby
Central Everglades Planning Project

- Old Tamiami Trail Removal
  - Under construction
  - Expected completion January 2022
  - Powerline removal expected July 2020

- S-333N
  - Under construction
  - Expected completion August 2020

- CEPP South PPA
Canal Conveyance Improvements
- Expedited site investigations of Miami and North New River Canal Conveyance
- Preliminary design for channel improvements expected June 2020

Stormwater Treatment Area
- Expedited design of the A-2 STA
- Began construction for Inflow/Outflow Canal with site preparation April 2020
- Expedited design of the A-2 STA
- Began construction for Inflow/Outflow Canal with site preparation April 2020
Stormwater Treatment Area

- Pre-Partnership Credit Agreement executed May 2020
- Issued Notice to Proceed for Inflow/Outflow construction June 2020
- STA Intermediate Design due July 2020
- Construction expected January 2021

Presenter – Megan Jacoby
Deering Estate – complete

L-31E:
- L-31E culverts – complete
- Design of S-709 – complete
- Design of remaining features - underway

Cutler Wetlands design update – underway
- Survey, geotech and modeling

Biscayne Bay and Southeastern Everglades Restoration (BBSEER)
- Project Management Plan- complete
- Study begins July 2020
STATE PROGRAMS
Stormwater Treatment Areas (STAs)

Permitted STA Area
1994: 4,000 acres
1999: 9,000 acres
2000: 18,000 acres
2003: 35,000 acres
2004: 40,000 acres
2006: 45,000 acres
2012: 57,000 acres

Presenter – Megan Jacoby
Phosphorus reduction throughout all STAs is ~80%

Quantity and timing of water delivery can impact STA performance
Restoration Strategies: Key Projects

Restoration Strategies Projects

- In Design
- In Construction
- Construction Completed
- Restoration Strategies Flow Path

Presenter – Megan Jacoby
RS - Eastern Flowpath

- Construction complete
  - L-8 FEB construction
  - STA-1W Expansion #1 construction

- 4 projects underway
  - STA-1E Repair and Modification – flooding and optimization period complete by November 2022
  - STA-1W Expansion #1 – optimization complete by December 2020
  - STA-1W Expansion #2 – design complete by July 2020
  - G-341 Related Conveyance Improvements – Sections 1 & 2 complete, Sections 3 & 4 under construction
RS - Central Flowpath

- A-1 FEB Complete
2 projects underway
- STA 5/6 Improvements
  - Construction completed in May 2020
  - Initial flooding and optimization period by Dec 2025
- C-139 FEB
  - Final Design by October 2020
DISCUSSION