CENTRAL EVERGLADES PLANNING PROJECT

Governing Board Update

PRESENTED BY

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KEY POLICY ISSUES TO BE RESOLVED AND DOCUMENTED PRIOR TO RELEASE OF A DRAFT PROJECT IMPLEMENTATION REPORT

- Water Quality
- Cost Share
- Savings Clause and Project Assurances/ Water Supply
- Implementation/ Phasing
- Cost

PROJECT ASSURANCES/WATER SUPPLY ANALYSIS

- Determine if water supply cutbacks on LOSA can be reduced
- Determine whether increases in LECSA public water supply demands can be met while maintaining natural system performance
- Evaluate natural system, water supply and flood protection performance
- If successful:
  - Additional water will be identified for water supply in project assurances
  - Will meet savings clause requirements for agriculture and urban water supply

MODELING APPROACH/SCHEDULE

Modeling will consist of three steps as follows:

1. Refine Initial Operating Regime Baseline (IORBL) - results distributed to team
2. Update ALT4R model representation, refine LOSA water supply performance and apply increased Lower East Coast public water supply demands - results distributed to team
3. Following evaluation of Step 2, make refinements, if needed, to produce final modeling of the CEPP plan - early July

IMPLEMENTATION/ PHASING
LEGAL MANDATES

- CEPP implementation will involve a number of incremental phases over a number of years
- Project elements cannot proceed unless/until it is determined that construction and/or operation of the feature:
  1. Will not cause or contribute to a violation of water quality standards; and
  2. Will not cause or contribute to a violation of the permit(s) discharge limits or specific conditions*; and
  3. Reasonable assurances exist that demonstrate adverse impacts on flora and fauna in the area influenced by the project element will not occur.

* Compliance with the WQBEL shall be determined based on the conditions contained within the NPDES permit (FL0778451), EFA permit (0311207), NPDES Consent Order (12-1148), and EFA Consent Order (12-1149).

PROPOSED ELEMENTS

Sequencing Dependent On Numerous Factors Including:

- Federal Authorization and Appropriations
- State funding availability and cost share credits
- Water Quality Standards including WQBEL and Appendix A
- PPA/ Local Sponsor Support
- Incremental Operation and Adaptive Management

- L6 Diversion
- S-8 Pump Station Modifications
- L-4 Levee Degrade and Structure

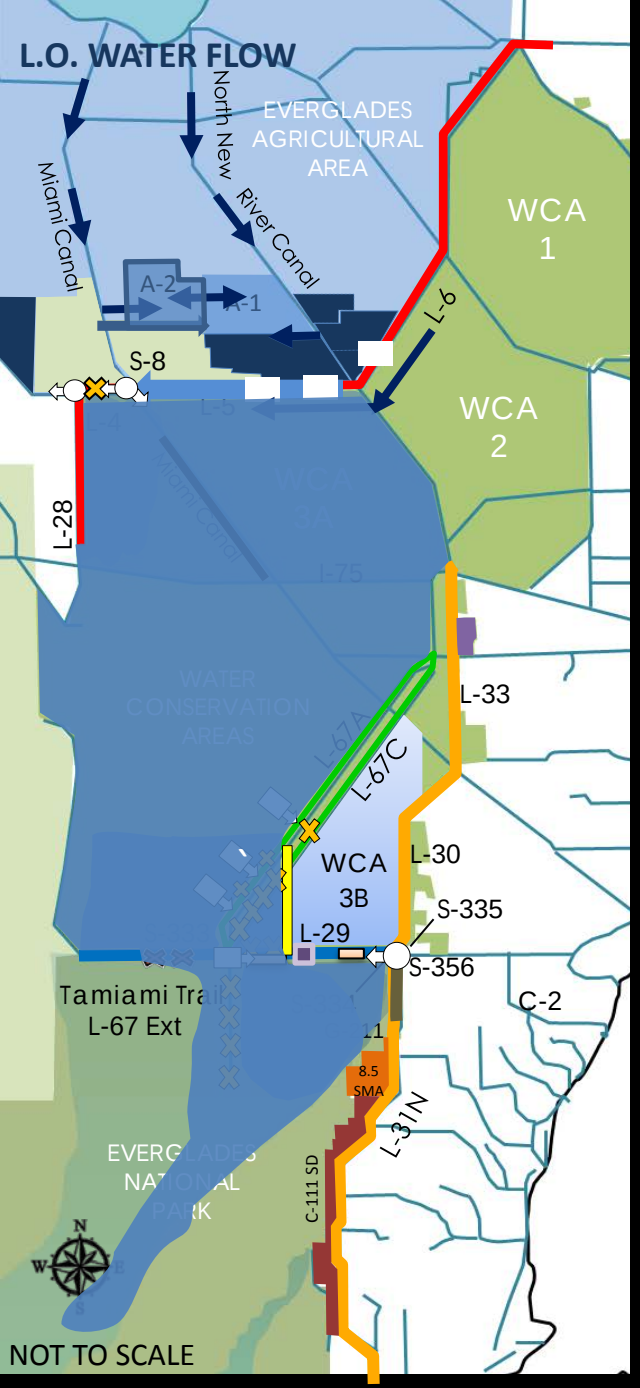
- L-5 Canal Improvements
- Miami Canal Backfill

- L-67A Structure 1
- One L-67C Gap

- Increase S-356 and S-333
- L-29 Divide Structure
- L-67A Structures 2 and 3
- L-67A Spoil Mound Removal

- Remove L-67C Levee Segment
- 8.5 Mile Blue Shanty Levee
- Remove L-29 Levee Segment
- Seepage barrier L-31N

- A-2 FEB
- Remove Old Tamiami Trail
- Remove L-67 Extension



TENTATIVELY SELECTED PLAN (Alt 4R)

STORAGE AND TREATMENT

- Construct A-2 FEB and integrate with A-1 FEB operations
- Lake Okeechobee operation refinements within LORS

DISTRIBUTION/CONVEYANCE

- Diversion of L-6 flows, Infrastructure and L-5 canal improvements
- Remove western ~2.9 miles of L-4 levee (west of S-8 3,000 cfs capacity)
- 360 cfs pump station at western terminus of L-4 levee removal
- Backfill Miami Canal and Spoil Mound Removal ~1.5 miles south of S-8 to I-75

DISTRIBUTION/CONVEYANCE

- Increase S-333 capacity to 2,500 cfs
- Two 500 cfs gated structures in L-67A, 0.5 mile spoil removal west of L-67A canal north and south of structures
- Construct ~8.5 mile levee in WCA 3B, connecting L-67A to L-29
- Remove ~8 miles of L-67C levee in Blue Shanty flowway (no canal back fill)
- One 500 cfs gated structure north of Blue Shanty levee and 6,000-ft gap in L-67C levee
- Remove ~4.3 miles of L-29 levee in Blue Shanty flowway, divide structure east of Blue Shanty levee at terminus of western bridge
- Tamiami Trail western 2.6 mile bridge and L-29 canal max stage at 9.7 ft (FUTURE WORK BY OTHERS)
- Remove entire 5.5 miles L-67 Extension levee, backfill L-67 Extension canal
- Remove ~6 mile Old Tamiami Trail road (from L-67 Ext to Tram Rd)

SEEPAGE MANAGEMENT

- Increase S-356 pump station to ~1,000 cfs
- Partial depth seepage barrier south of Tamiami Trail (along L-31N)
- G-211 operational refinements; use coastal canals to convey seepage

Note: System wide operational changes and adaptive management considerations will be included in project

FEB · STA · Pump · Old Tamiami Trail Removal · Backfill · Levee Removal · Gated Structure · Canal Improvement · Seepage Barrier · Divide · Levee

PROJECT COST

- Corps and District are refining detailed costs
- Cost in plan will include Operations and Maintenance costs

Questions