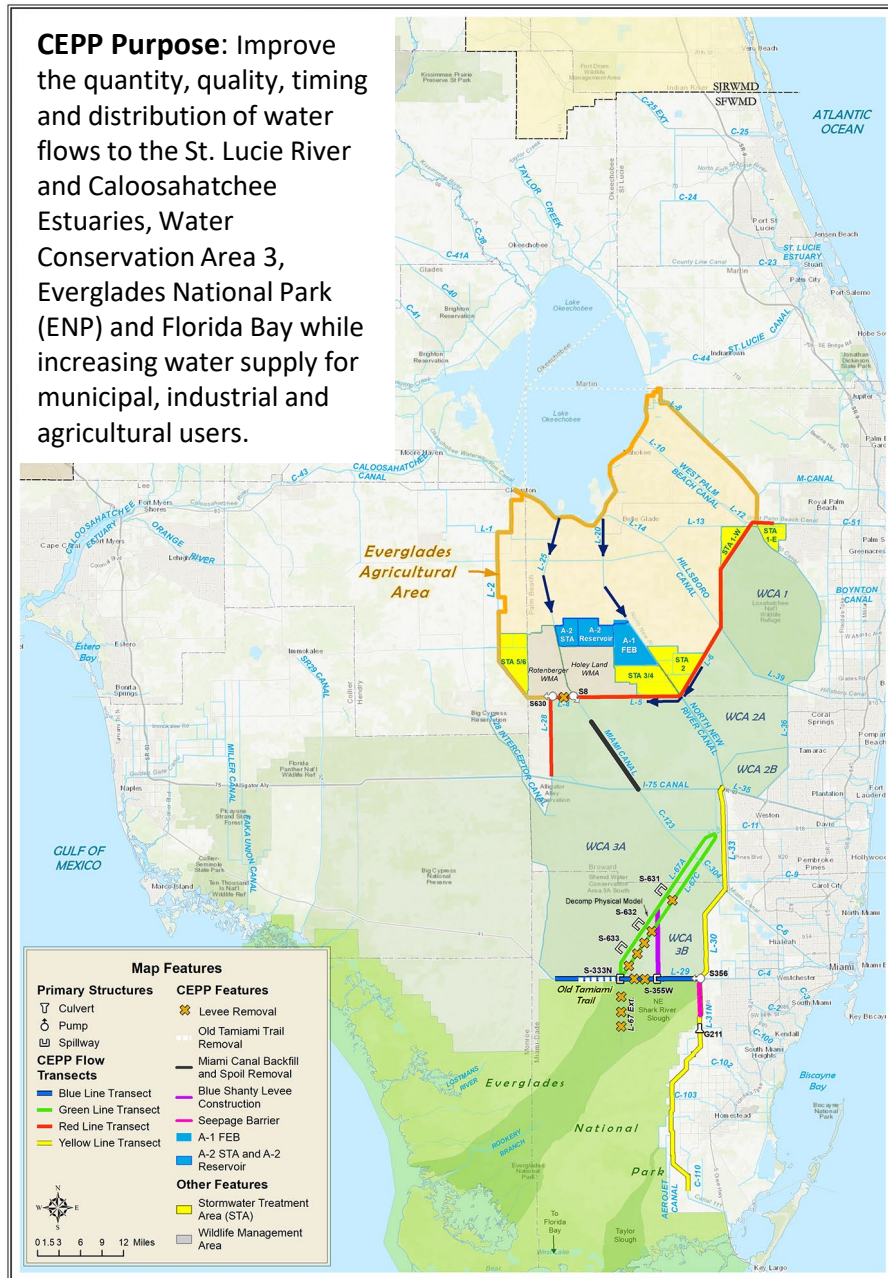


BUILDING ON HISTORIC MOMENTUM — EVERGLADES SCIENCE HOLDS THE KEY TO DELIVERING CERP GOALS

CENTRAL EVERGLADES PLANNING PROJECT BENEFITS

- Fewer Lake Okeechobee releases helps restore resilient Northern Estuaries.
- More operational flexibility means a healthier Lake Okeechobee.
- More flow at the right time to the Everglades Water Conservation Areas makes a healthier ridge and slough habitat in the Everglades.
- More flow at the right place to Shark River and Taylor Sloughs protects and restores Everglades National Park and Florida Bay.

CEPP Purpose: Improve the quantity, quality, timing and distribution of water flows to the St. Lucie River and Caloosahatchee Estuaries, Water Conservation Area 3, Everglades National Park (ENP) and Florida Bay while increasing water supply for municipal, industrial and agricultural users.



Project	Yellow Book Components	FISCAL YEAR (dollars in millions)												
		2018 W \$7	2019 \$24	2020 W \$165	2021 \$290	2022 W \$517	2023 \$605	2024 W \$604	2025 \$571	2026 W \$402	2027 \$275	2028 W \$0	2029 \$0	2030 W \$0
Central Everglades Planning Project	AA, FF, H, QQ, P1, G													
Decomp Physical Model	QQ	●●●●●	●●●●●	●●●●●	●●●●●									
CEPP South: Additional outlet structures needed to move more water south	AA, FF, H, QQ													
Validation Report			●●●●●											
Remove Old Tamiami Trail (ENP Preparing NEPA)			●●●●●	●●●●●	●●●●●									
Structure S-631 & gap in L-67C Levee and Structure S-633 with gap in L-67C			●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●					
Increase S-356 Pump Station				●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	
Spillway S-355W				●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	
Structure S-333N		●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	
Structure S-632				●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	
Removal L-67C & L-67 Ext, Constr L-67D Levee						●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	
Removal L-29 Levee & Backfill L-67 Ext							●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	
CEPP North: Inflow facilities needed to restore northern WCA-3A and move additional water south to Everglades	QQ, II													
Validation Report					●●●●●	●●●●●								
L-4 Degrade & Pump Station S-630					●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	
S-8 Pump Station Modifications					●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	
Miami Canal Backfill/Tree Islands					●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	
L-5 Canal Improvements					●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	
L-6 Diversion					●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	
CEPP New Water: Moves New Water South, Stores It, and Treats It Before Going to the Everglades	G, V, C, E													
Validation Report			●●●●●	●●●●●										
Seepage Barrier L-31N			●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	
Canal Conveyance Improvements - Miami and North New River			●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	
EAA Reservoir - A-2 STA, Inflow-Outflow Canal, and Bridge			●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	
EAA Reservoir - A-2 STA			●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	
EAA Reservoir - Inflow-Outflow Canal, Bridges, Spillway				●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	
EAA Reservoir - Inflow Pump Station				●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	
EAA Reservoir: Cutoff Wall, Culverts & Embankment				●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	

● Requires WCA-3 outlet and conveyance structures to maximize operational flexibility. See legend on reverse

INCREMENTAL RESTORATION IS A FUNDAMENTAL TENET OF SFER

Advancing construction and receiving ecosystem benefits from the Central Everglades Planning Project is possible and achievable because several key projects have reached important milestones through 2019. These Non-CERP and Foundation Projects (in the blue section of the IDS) are CEPP predecessors and interdependencies. Improvements to the system since 2012 are estimated to provide significant benefits in 2020, including these:

- Improve water deliveries into Everglades National Park and take steps to restore natural hydrologic conditions in ENP, resulting in restored ecological diversity.
 - Increased ENP average annual inflow by ~63%
 - Increased distribution at Tamiami Trail to North East Shark River Slough from 19% to 77%
 - Increased annual flow to Taylor Slough by ~37%
- Minimize the damaging freshwater flows to Manatee Bay/Barnes Sound and increase overland flow to Eastern Panhandle.
- Increase flows through Taylor Slough and coastal creeks to help restore native habitats and species.

EVERGLADES SCIENCE

The defining characteristics of the original Everglades include sheetflow, low levels of nutrients in freshwater wetlands, healthy and productive estuaries, resilient plant communities, and an abundance of native wildlife. The scientific community has been monitoring the overall health of the Everglades for many years. They have collected data that shows the ecosystems of the Everglades are struggling to support the plants and animals that live there and the natural resources they provide to all. Without healthy ecosystems, the economy, tourism, and recreational activities of south Florida suffer. However, many restoration projects scheduled for operation and construction in the next ten years are designed to help improve and protect this unique ecosystem.

As an example, the most important process affecting wading bird nesting in the Everglades is the availability of prey (fishes and aquatic invertebrates), which is controlled by the duration and frequency of wetland flooding and drying. The historic 2018 wading bird nesting season (+466% above 2017) let Everglades scientists see in real time how small prey fishes can rapidly respond to the longer hydroperiods. These hydrologic conditions are anticipated to occur more often during the incremental implementation of the SFER.

Learn more at evergladesecohealth.org.

