

Project Name: C&SF: CERP Everglades Agricultural Area Storage Reservoirs (G P1 & G P2)
a/k/a Everglades Agricultural Area Storage Reservoirs - East & West
Project ID: 1102 (includes 1103) (WBS # 08 and WBS# 09)
Lead Agency: USACE / SFWMD
Authority: WRDA 2000 (only Phase 1 'G P1'-"Initially Authorized Project"); Phase 2 not authorized
Funding Source: Federal/State

Strategic Plan Goal(s) Addressed: 1-A.1

Measurable Output(s): 360,000 acre-feet total surface storage
[240,000 acre-feet Phase 1 (WRDA 2000) and 120,000 acre-feet Phase 2]

April 1999 (Restudy) Project Synopsis: Runoff from the Everglades Agricultural Area (EAA), Miami and North New River Canal Basins and regulatory releases from Lake Okeechobee is to be pumped into the reservoirs. Additionally, it provides for canal conveyance capacity increases for the Miami, North New River, Bolles, and Cross Canals. The aboveground reservoir(s) will have a storage capacity of approximately 360,000 acre-feet located in the EAA in western Palm Beach County. The initial design for the reservoir(s) assumed 60,000 acres, and was divided into three equally sized compartments (1, 2, and 3), with water level fluctuation up to 6-feet above grade:

- 1) Discharges used to meet Everglades Agricultural Area irrigation demands only.
- 2) Discharges used to meet environmental demands as a priority; and can be used to supply a portion of agricultural demands in cases where there is no environmental demand.
- 3) Discharges used to meet environmental demands.

Current Project Synopsis: The purpose is to improve the timing of environmental deliveries to the Water Conservation Areas, including reducing damaging flood releases from the Everglades Agricultural Area to the Water Conservation Areas. The features will also support reducing Lake Okeechobee regulatory releases to the estuaries, meeting Everglades Agricultural Area irrigation and Everglades natural system water demands, and mitigating flood risk for the Everglades Agricultural Area.

The Central Everglades Planning Project (CEPP) proposes an increment of storage in the EAA within the A-2 Flow Equalization Basin (FEB) component of the CEPP plan. Storage and treatment of additional water from Lake Okeechobee would be possible with the construction of the 14,000 acre FEB that would be operationally integrated with the State's A-1 FEB and existing Stormwater Treatment Areas. This feature in combination with the other features of the CEPP plan will provide an average of approximately 210,000 acre-feet per year of additional clean freshwater flowing into the central portion of the Everglades. The CEPP plan also reduces the number and severity of undesirable, high volume discharges from Lake Okeechobee, improving salinity in the St. Lucie and Caloosahatchee estuaries. The additional water flowing into northern WCA-3A and Everglades National Park will help restore the pre-drainage vegetative communities and habitat for fish and wildlife while providing incremental improvement of natural processes critical for the development of peat soils and tree islands, which are essential features of the Everglades ridge and slough landscape. Increased flows to Florida Bay will improve salinities, resulting in greater abundance and diversity of sea grasses and other estuarine plant and animal species.

Current Status: The Central Everglades Planning Project (CEPP) proposes an increment of storage, 60,000 acre-feet, within the A-2 Flow Equalization Basin component of the CEPP plan. This project is awaiting authorization. Component G P1 and P2 have been moved to CEPP which includes the estimated future cost of these features.

Est. Cost: \$ 58,120,185

Project Schedule: TBD

Detailed Project Budget Information (rounded):

Everglades Agricultural Area Storage Reservoirs	Expenditures Thru FY 2016
USACE	\$12,070,343
SFWMD	\$46,049,842
Total	\$58,120,185

Hyperlinks: <http://www.saj.usace.army.mil/Missions/Environmental/EcosystemRestoration/>

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Source: Original project description summarized from the *Central and Southern Florida Project Comprehensive Review Study (Restudy) (1999)*. Cost estimate information is also based on original project design updated to reflect current price levels in October 2014 dollars. Actual expenditures include all federal expenditures through FY09 (Sept, 2009) and sponsor verified and recorded in kind credit through 4th quarter FY07; as well as approved but not yet recorded in kind credit for FY08 through FY10, and Acceler8 in kind credit that has been reviewed and determined creditable but not yet approved for FY04 through FY09.