

South Florida Ecosystem Restoration

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US Army Corps of Engineers
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Purpose of Today's Meeting

- Conduct exercise to get your input on sequencing plan
 - ▶ CERP Vision
 - ▶ CERP Goals and Objectives
 - ▶ Guiding Principles
 - ▶ Clarification of Authorization Process & Assumptions
 - ▶ Review IDS Worksheet & CERP Project List
 - ▶ Directions for exercise
 - ▶ Conduct exercise
 - ▶ Participants report out on their sequencing plan and rationale
 - ▶ Next steps



CERP Vision Statement

“The overarching objective of the Plan is the restoration, preservation, and protection of the South Florida ecosystem while providing for other water-related needs of the region, including water supply and flood protection” (WRDA 2000).



CERP GOALS AND OBJECTIVES (Table 5-1 of Yellow Book)

GOAL: Enhance Ecological Values

- Increase the total spatial extent of natural areas
- Improve habitat and functional quality
- Improve native plant and animal species abundance and diversity

GOAL: Enhance Economic Values and Social Well Being

- Increase availability of fresh water (agriculture/municipal/industrial)
- Reduce flood damages (agricultural/urban)
- Provide recreational and navigation opportunities
- Protect cultural and archeological resources and values



IDS Guiding Principles

- The Integrated Delivery Schedule acknowledges the Federal and State agencies commitment to complete the implementation of key ongoing projects, which include projects authorized and under construction. It includes the “Foundation Projects” (i.e. those projects authorized before CERP to include Kissimmee River Restoration, C&SF: C-111 South Dade and C&SF: C-51/STA-1 East).
- All projects related to the restoration of the Everglades on which CERP is dependent will be considered in the development of the IDS but will not be included in the funding scenarios as these projects are funded through other program authorities or by other entities. These include both State and Federal initiatives such as Herbert Hoover Dike Rehabilitation, Modified Water Deliveries to ENP, Tamiami Trail Next Steps Bridging and the Restoration Strategies projects.



IDS Guiding Principles (cont'd)

- The IDS funding scenarios will only include projects funded through the Corps under the South Florida Ecosystem Restoration Program (SFER) which include: Kissimmee River Restoration, C&SF (includes C-111 South Dade, C-51/STA-1E and CERP).
- No CERP projects will be excluded as part of updating the IDS; this re-evaluation is merely to update the project sequencing and develop a realistic implementation schedule for the CERP projects.
- Projects should be implemented in a sequence that achieves the CERP restoration objectives at the earliest practicable time, consistent with funding constraints.

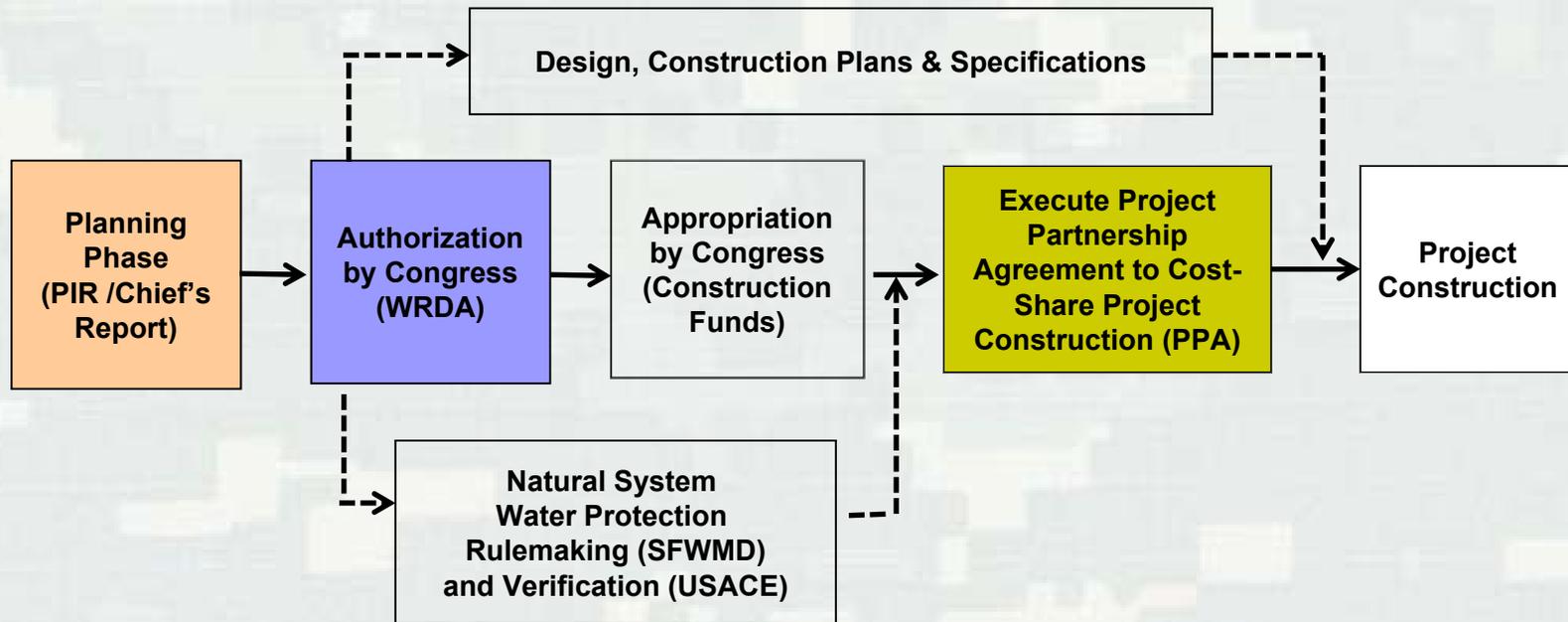


IDS Guiding Principles (cont'd)

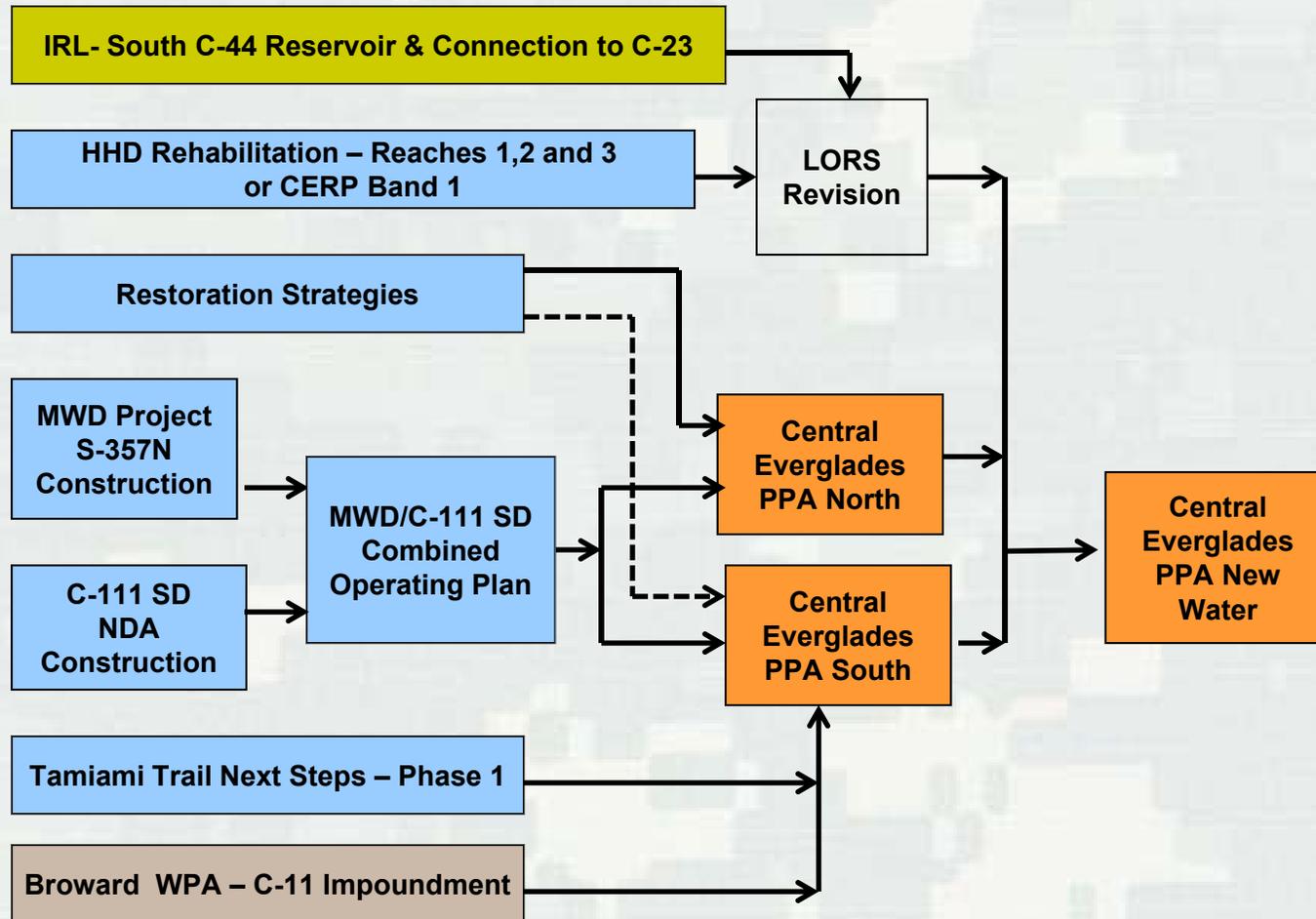
- Project and/or project component interdependencies will drive the sequencing order for constructing projects.
- As appropriate, the Interim Goals and Targets should be used to measure restoration progress.
- The IDS incorporates the Master Implementation Sequencing Plan for CERP as required by the Programmatic Regulations.
- The IDS should consider the implications of climate change and sea-level rise and potential hydrologic changes to the system wide planning and project prioritization.
- Science should be an integral component of sequencing decisions.



Federal Process for Civil Works Projects



Project Dependencies



Draft IDS Worksheet

Project	Yellow Book Code	Fiscal Year															
		2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Federal Construction Cost			105	102	70	59	4	1	20	10	6	0	0	0	0	0	0
Non-Federal Construction Cost			66	90	45	2	2	1	1	1	1	0	0	0	0	0	0
Total Construction Cost			171	192	115	61	6	2	21	11	7	0	0	0	0	0	0
Modified Water Deliveries to Everglades National Park*																	
Herbert Hoover Dike*																	
Seminole Big Cypress*	OPE																
Restoration Strategies*																	
Tamiami Trail Next Steps Phase 1*																	
Kissimmee River Restoration																	
West Palm Beach Canal/STA-1E																	
C-111 South Dade																	
Picayune Strand Restoration	OPE																
Merritt Pump Station																	
Faka Union Pump Station																	
Manatee Mitigation and Flood Protection Features																	
Miller Pump Station																	
Remaining Features - Road removal and canal backfill																	
Site 1 Impoundment - Phase 1	M_P1																
Indian River Lagoon-South																	
C-44 Intake Canal	B																
C-44 Reservoir	B																
C-44 STA & Pump Station	B																
Decomp Physical Model	QQ_P1																
Caloosahatchee River (C-43) West Basin Storage Reservoir - Phase 1	D_P1																
Broward County Water Preserve Areas: C-11 Impoundment	Q																
Loxahatchee River Watershed Restoration Project	X, Y, K, GGG, OPE																

-● Operational Testing and Monitoring Period
- Design
- . - . ● Planning
- Construction

Blue = Non-Federal

Black = Federal

* Funded through other program authorities or by other entities.

Non-CERP and Foundation Project

CERP - Authorized, appropriated, PPA executed

CERP - Authorized, requires PPA

CERP Planning Phase - Requires authorization

Questions?



Next Steps

- Staff will process results of today's exercise
 - ▶ Assess commonalities
 - ▶ Summarize range of sequencing plans/rationales
- Develop funding scenarios through application of assumptions and constraints:
 - ▶ Maintain 50/50 cost-share balance, project dependencies
 - ▶ Planning of new projects (i.e. PIR & Chief's Report) requires approximately 3 years
 - ▶ Acquisition of lands needed for project construction should be completed ~ 9 months prior to starting construction
 - ▶ Design of STAs, impoundments and reservoirs requires approximately 2 to 3 years

