

Dispersed Water Management Overview and Status



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South Florida Water Management District
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Goals and Objectives



Shallow Water Storage, Retention and Diversion

- Enhance Lake Okeechobee and estuary health by reducing discharge volumes
- Reduce nutrient loading to downstream receiving systems
- Expand groundwater recharge opportunities

Local Projects

Cooperative Agreements with Private Landowners



Nicodemus Slough

- Provides 34,000 ac-ft of retention
- Permit applications currently under review
- Construction commencement FY14



Harbour Ridge

- Provides 667 ac-ft of retention
- Design and Permit applications currently under development
- Construction commencement FY14

Regional Projects

Dispersed Water Management Projects on Public Owned Lands

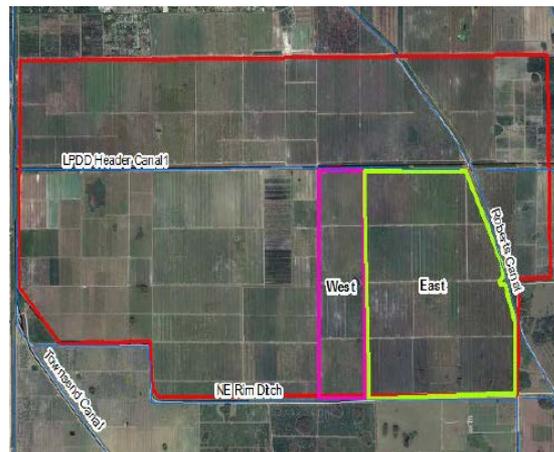
Planning Phase

- IRL-S Interim Lands
- C-43 Interim Lands
- Charlotte Flatwoods Restoration⁽¹⁾
- Cypress Creek Restoration⁽¹⁾
- Lake Hicpochee Restoration (south)
- Lehigh Headwaters Restoration⁽¹⁾
- Lemkin Creek⁽¹⁾



Design Phase

- Allapattah Flats⁽¹⁾
- Istokpoga Marsh
- Four Corners⁽¹⁾
- Six Mile Cypress Restoration



Construction Phase

- Turnpike Dairy⁽¹⁾
- Williamson Ranch⁽¹⁾
- Dinner Island

Operational Phase

- BOMA Interim Lands

⁽¹⁾Funding provided by alternative sources and not included in "Spend Down Plan"

Northern Everglades Payment for Environmental Services

Public-Private partnerships that enhance opportunities for storing excess surface water on privately owned ranchlands

- FRESP
 - Pilot program on ranchlands
 - Two original storage pilot projects still operational
- First solicitation
 - Eight water retention projects
 - 6 of 8 projects fully operational
- Second solicitation
 - Nineteen project proposals received and currently under review for consideration



Water Farming Payment for Environmental Services

Public-Private partnerships that enhance opportunities for storing excess surface water on privately owned fallow citrus lands

- Two Cooperative Agreements
 - Gulf Citrus Growers Association
 - Feasibility Report - Due July 2013
 - Indian River Citrus League Pilot Projects
 - Feasibility Report – April 2012
 - Solicitation – Five project proposals received and currently under review for consideration
 - Section 319 Grant Proposal for IRL-St Lucie Watersheds - \$3.1M
 - FDEP Grant - \$1.5M
 - SFWMD Match - \$1.6M



Budget Summary

As part of the five-year reserve spend-down plan starting in FY12 and ending in FY16, \$34.3M was identified for Dispersed Water Management

Scenario 1	Fiscal Years								
	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Current Obligations 7 Year Plan								\$385K	
Current Obligations 5 Year Plan						\$7.7M			

- Current Obligations⁽¹⁾
 - Local – Nicodemus Slough
 - Regional – Istokpoga Marsh, BOMA Interim Lands (FY14 only)
 - NEPES-1 (10 year contracts, initially funded with spend down funds - but contingent on future funding availability)
 - FRESP – West Water Hole (FY 14)
- Remaining spend-down funds would cover these obligations through a portion of FY21

Note: Current Obligations have a combined \$7.2M shortfall in a portion of FY21 and all of FY22

⁽¹⁾Allapattah , Williamson Ranch and Turnpike Dairy assumed to be 100% reimbursed by NRCS

Budget Summary

Interim Lands and Cooperative Agreements

Scenario 2	Fiscal Years									
	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	
Current Obligations + Interim Lands and Cooperative Agreements						\$3.4M				

- Continue with current obligations
- Also include continued funding for
 - Interim Lands: IRL-S and C-43/Berry Groves - \$160k/yr for 5 years
 - Cooperative Agreements - \$300k/yr for 5 years

Note: Current Obligations have a combined \$14.3M shortfall in a portion of FY19 and all of FY20, FY21 and FY22

Budget Summary

Water Farming Pilot Projects

Scenario 3A	Fiscal Years									
	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	
Current Obligations + Interim Lands & Cooperative Agreements + WF Pilot Projects						\$9K				

- Continue with current obligations
- Include continued funding for
 - Interim Lands: IRL-S and C-43/Berry Groves - \$160k/yr for 5 years
 - Cooperative Agreements - \$240k/yr for 5 years
- Also include Water Farming Pilot Projects – Estimated \$1M/yr for 3 years (dependent on RFP results)
- Doesn't include funding for NE PES-2 solicitation

Note: Current Obligations have a combined \$21.2M shortfall in a portion of FY19 and all of FY20, FY21 and FY22

Budget Summary

Northern Everglades – Payment for Environmental Services 2

Scenario 3B	Fiscal Years								
	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Current Obligations + Interim Lands & Cooperative Agreements + NEPS2						\$9K			

- Continue with current obligations
- Include continued funding for
 - Interim Lands: IRL-S and C-43/Berry Groves - \$160k/yr for 5 years
 - Cooperative Agreements - \$240k/yr for 5 years
- Also include \$3M for NE-PES2 Solicitation
- Doesn't include funding for Water Farming Pilot Project solicitation

Note: Current Obligations have a combined \$21.2M shortfall in a portion of FY19 and all of FY20, FY21 and FY22

Budget Summary

Dispersed Water Management Hybrid Scenario

Scenario 4

	Fiscal Years								
	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Current Obligations + Interim Lands & Cooperative Agreements + WF Pilot Projects						\$9K			

- Continue with current obligations
- Include reduced funding for
 - Interim Lands: IRL-S and C-43/Berry Groves - \$80k/yr for 5 years
 - Cooperative Agreements - \$200k/yr for 5 years
- Include reduced funding for
 - Water Farming Pilot Project - \$530k/yr for 3 years
 - NE-PES2 - \$2.4M for solicitation

Note: Current Obligations have a combined \$19.4M shortfall in a portion of FY19 and all of FY20, FY21 and FY22₁₂

Budget Scenarios

	Fiscal Years								
	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Current Obligations						\$7.7M			
Current Obligations + InterimLands and Cooperative Agreements						\$3.4M			
Current Obligations + InterimLands & Cooperative Agreements + WF Pilot Projects						\$9K			
Current Obligations + InterimLands & Cooperative Agreements + NE-PES2						\$9K			
Current Obligations + InterimLands & Cooperative Agreements (Reduced) + WF Pilot Projects (Reduced) + NE-PES2 (Reduced)						\$9K			

Note: Current Obligations have a combined shortfall range between \$7.2M and \$21.2M depending on the Scenario for the program ending in FY22

Summary

- Current Spend Down Plan Balance (FY12-FY16) - \$22M
- Until additional funding stream is identified:
 - Current obligations can be funded through FY20 or
 - Current obligations can be funded through FY18 leaving \$7.7M available to spend on:
 - Local Projects
 - Regional Projects (Interim Lands and Cooperative Agreements)
 - NEPES-2
 - Water Farming

Path Forward

- July Governing Board meeting
 - Summary of NE PES-2 and Water Farming RFP responses
 - GB direction regarding RFP negotiations
- Continue planning, design, construction, operation and monitoring of Local and Regional Projects
- Continue operation and monitoring of the existing NE-PES Projects
- 319 grant application decision from DEP anticipated in September 2013
- Seek a dedicated funding source to support the Dispersed Water Management Program

Dispersed Water Management

An aerial photograph of a wetland area. The landscape is a mix of green grass, dense trees, and several bodies of water, including a large central pond and smaller scattered ponds. The sky is blue with scattered white clouds. A semi-transparent white box is overlaid in the center of the image, containing the word "Discussion" in a large, bold, black font.

Discussion