



# Acceler8 Program Update

South Florida Ecosystem Restoration Task Force Meeting

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# Everglades Restoration Hits Wall Street

- **\$546 Million in Certificates of Participation (COPs) issued by CitiGroup Global Markets on October 25, 2006**
- **COPs had insured ratings of AAA with solid AA underlying ratings**
- **Attracted high level of both retail and institutional investor interest**
- **Good timing, high ratings and strong investor interest resulted in \$26 million premium and low interest rate of 4.63%**
- **First time that COPs have been issued in U.S. for environmental restoration projects**



# Acceler8 Program

## Ongoing Construction

### Construction Contracts: \$159 Million

EAA Test Cells (Barnard)	\$ 8.4 Million	100 % complete
C-43 Test Cells (Barnard)	\$ 10.2 Million	99 % complete
C-44 Test Cells (Barnard)	\$ 9.0 Million	97 % complete
STA 2 Expansion (Gulf Group)	\$ 18.9 Million	79 % complete
STA 5 Expansion (Interlaken)	\$ 13.0 Million	84 % complete
STA 6 Expansion (Harry Pepper)	\$ 23.8 Million	63 % complete
Acme Basin B (Harry Pepper)	\$ 13.3 Million	19 % complete
Picayune - Demolition (Cross)	\$ 1.5 Million	45 % complete
Picayune – Prairie Canal (Globetec)	\$ 2.4 Million	53 % complete
EAA Reservoir – GMP#1 (BPJV)	\$ 53.7 Million	14 % complete
C-44 Reservoir TIWCD (CAN)	\$ .9 Million	1% complete
Picayune Strand – Road Removal (American Earth Movers)	\$ 3.9 Million	1% complete

# Restoration Progress

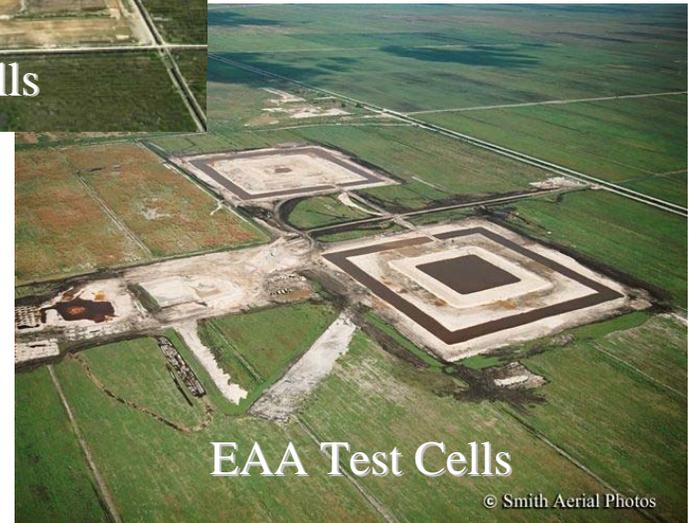
## *Construction of Test Cell Projects Completed*



C-43 Test Cells



C-44 Test Cells



EAA Test Cells

© Smith Aerial Photos

# EAA Reservoir Test Cells

## Current Status

- NTP: January 2005
- Substantial Completion I: April 2005
- Final Completion: July 2005
- Construction Contract: \$8.4 Million
- Change Orders \$ (.7) K  
Total: \$ 7.7 Million
- % Complete Time: 100%  
(days since NTP / total contract)
- % Complete Dollars: 100%  
(Pay Apps / total contract)
- Major Issues To Date: None



## C-43 West Storage Reservoir Test Cell Pilot Project

### Current Status

- NTP: January 16, 2006
- Substantial Completion I: June 14, 06
- Final Completion: April 16, 2007
- Construction Contract: \$10.2 Million
- Change Orders \$ 22 K  
Total: \$10.2 Million
  
- % Complete Time: 63 %  
(days since NTP / total contract)
- % Complete Dollars: 99 %  
(Pay Apps / total contract)
  
- Major Issues To Date: None



### WORK THIS PERIOD

- Monitoring test cell instrumentation until April 07
- Operating temp pump systems to maintain water levels



## C-44 Reservoir Test Cell Pilot Project

### Current Status

- NTP: February 16, 2006
- Substantial Completion III: Jun 06
- Final Completion: July 7, 2007
- Construction Contract: \$ 9.0 Million
- Change Orders: \$ 0.0  
Total: \$ 9.0 Million
  
- % Complete Time: 51 %  
(days since NTP / total contract)
- % Complete Dollars: 97 %  
(Pay Apps / total contract)
  
- Major Issues To Date: None



### WORK THIS PERIOD

- Monitoring test cell instrumentation
- Seepage canal drawdown tests in November 2006



# Restoration Progress

## *STA Expansions Nearing Completion*

- STA-2, Cell 4
- STA-5, Flow-way3
- STA-6, Section 2

Construction NTP = Jan-Feb, 2006

Substantial Completion = Dec, 2006



## STA 2 Cell 4 Expansion Project

### Current Status

- NTP: January 11, 2006
- Substantial Comp I: Nov 11, 2006
- Final Completion: July 23, 2007
- Construction Contract: \$ 18.7 Million
- Change Orders: \$ 185 K  
Total: \$ 18.9 Million
  
- % Complete Time: 94%  
(days since NTP / SC-1)
- % Complete Dollars: 79%  
(Pay Apps / total contract)
  
- Major Issues To Date: Additional  
Dewatering Performed



### WORK THIS PERIOD

- Final lift of North Levee 80% complete
- Final lift of East Levee under construction
- All water control structures gated
- Excavation of canals complete



# STA 2 Cell 4 Expansion Project



## Construction of G-368 Discharge Water Control Structure



## STA 5 Flow-way 3 Expansion Project

### Current Status

- NTP: January 19, 2006
- Substantial Comp I: Nov 21, 2006
- Final Completion: April 26, 2007
- Construction Contract: \$ 12.9 Million
- Change Orders: \$ 122 K  
Total: \$ 13.0 Million
  
- % Complete Time: 92%  
(days since NTP / SC-1)
- % Complete Dollars: 84%  
(Pay Apps / total contract)
  
- Major Issues To Date: Barn Owls Nest in Maintenance Bldg.



#### WORK THIS PERIOD

- All water control structures gated and ready for connection
- Herbicide application planned in November
- Temp levee under construction around Maintenance Bldg/Barn Owl nest



## STA 5 Flow-way 3 Expansion Project



### Barn Owl Nest in Maintenance Building

- Migratory Bird Protection Act protects nest until chicks have fledged
- Constructed temporary levee around building
- Will remove building and relocate nest after chicks fledge

## STA 6 Section 2 Expansion Project

### Current Status

- NTP: February 7, 2006
- Substantial Compl I: Nov 21, 2006
- Final Completion: May 21, 2007
- Construction Contract: \$ 23.4 Million
- Change Orders: \$ 408 K  
Total: \$ 23.8 Million
  
- % Complete Time: 86%  
(days since NTP / SC-1)
- % Complete Dollars: 63%  
(Pay Apps / total contract)
  
- Major Issues To Date: Cultural  
Resource Double Berm Construction



### WORK THIS PERIOD

- Herbicide application in November
- Double berm construction 80% complete
- Coordinating FPL inspections of UG electrical distribution installation
- Finalizing water control structures



# STA 6 Section 2 Expansion Project



## Acme Basin B Discharge, C-1 and PS-7

### Current Status

- NTP: July 7, 2006
- Substantial Comp. I: Dec 29, 2006
- Final Completion: June 7, 2007
- Construction Contract: \$ 13.3 Million
- Change Orders:     \$ 0      
                                   Total: \$ 13.3 Million
  
- % Complete Time: 37%  
                           (days since NTP / total contract)
- % Complete Dollars: 19%  
                           (Pay Apps / total contract)
  
- Major Issues To Date: Relocate  
                                   Pump Station & Extend Project  
                                   Duration



#### WORK THIS PERIOD

- Completed installation of 84-inch RCP
- Constructing headwalls to RCP
- Canal widening approximately 60% complete overall
- Continue to meet with HOA on project status



# Acme Basin B Discharge, C-1 and PS-7



## Picayune Strand – Demolition

### Current Status

- NTP: July 6, 2006
- Final Completion: April 1, 2007
- Construction Contract: \$ 1.47 Million
- Change Orders: (\$ 12 K)  
Total: \$ 1.47 Million
  
- % Complete Time: 31%  
(days since NTP / total contract)
- % Complete Dollars: 45%  
(Pay Apps / total contract)
  
- Major Issues To Date: None



#### WORK THIS PERIOD

- 55 of the 160 sites completed
- 28 of the 65 septic tanks removed
- Minor work delays experienced due to heavy rains from Ernesto



## Picayune Strand – Demolition



## Picayune Strand – Prairie Canal Backfilling

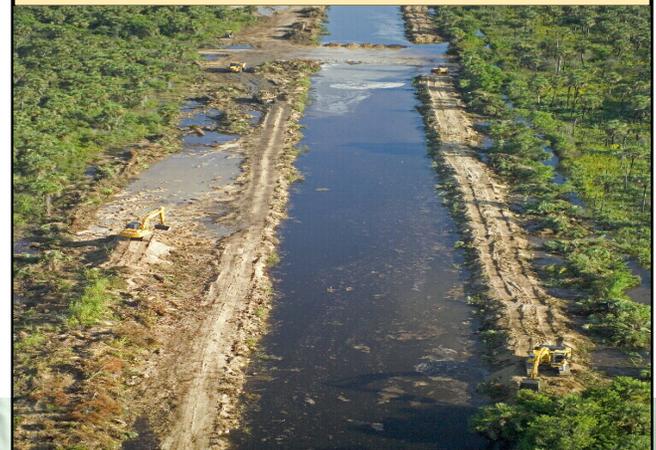
### Current Status

- NTP: August 14, 2006
- Substantial Compl I: May 11, 2007
- Final Completion: June 10, 2007
- Construction Contract: \$ 2.18 Million
- Change Orders:            \$ 0  
                                  Total: \$ 2.18 Million
  
- % Complete Time: 25%  
                          (days since NTP / total contract)
- % Complete Dollars: 53%  
                          (Pay Apps / total contract)
  
- Major Issues To Date: None

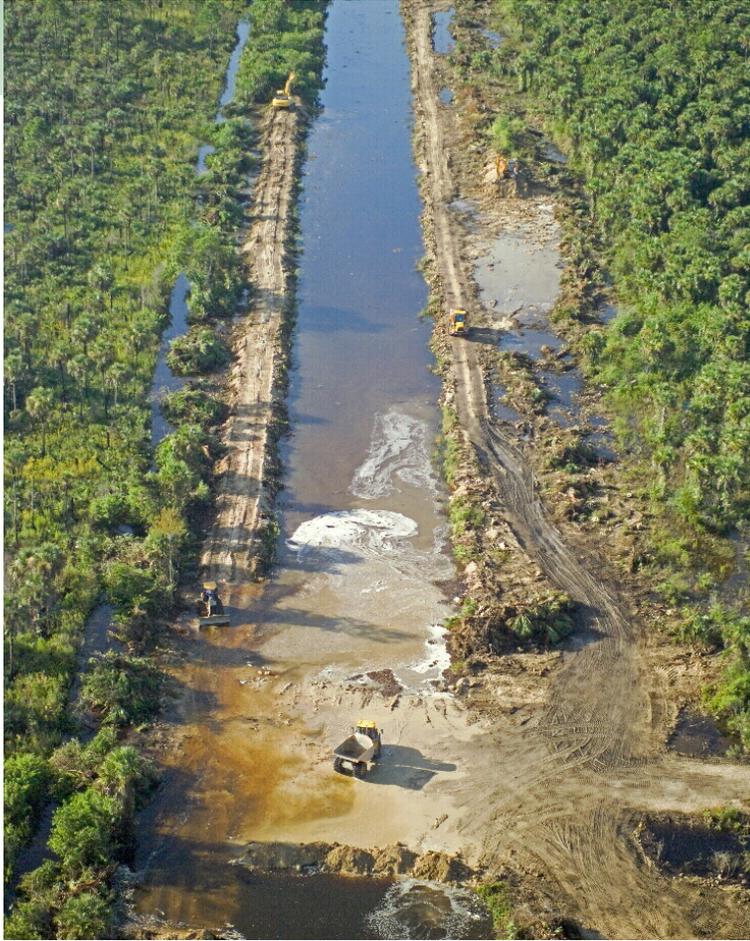


### WORK THIS PERIOD

- 18 of 21 plugs completed
- Assessing additional materials for leveling and redistribution (potential change order)



## Picayune Strand – Prairie Canal Backfilling



## EAA Reservoir A-1 – Seepage Canal Construction

### Current Status

- NTP: August 24, 2006
- Final Completion: Sept. 17, 2007
- Construction Contract: \$ 53.7 Million
- Change Orders: \$ 0  
Total: \$ 53.7 Million
  
- % Complete Time: 17 %  
(days since NTP / total contract)
- % Complete Dollars: 14 %  
(Pay Apps / total contract)
  
- Major Issues To Date: None



#### WORK THIS PERIOD

- Developed and submitted Blasting Plan
- Clearing and grubbing and muck removal anticipated to be completed in December
- Overwash test performed on Test Cell embankments to support Earthworks design effort



## EAA Reservoir A-1 – Seepage Canal Construction

### Overwash Test



- Evaluated flows of 0.001, 0.01, 0.1 and 0.23 cfs per linear foot of embankment



- Each test run for 8-hour period

- None of these flows resulted in excessive level of erosion

- Results demonstrated that embankment height can be safely reduced by ~ 2.5 feet, which reduces cost by \$24 million



# Acceler8 Program

## FY-2007 Construction Starts

<u>Project</u>	<u>Cost</u>	<u>Start Date</u>
EAA Reservoir A-1 – Aggregate Production (GMP#2)	\$ 53 million	Jan 2007
EAA Reservoir A-1 – Seepage Canal, Phase 2 (GMP#3)	\$ 29.5 million	Feb 2007
Picayune Strand Road Removal – Phase 2	\$ 14 million	Feb 2007
LOFT – Taylor Creek Reservoir Test Cells	\$ 10 million	Feb 2007
EAA Reservoir A-1 – Embankment (GMP#4)	\$236 million	Mar 2007
C-43 Reservoir Clearing and Grubbing	\$ 15 million	Jul 2007
C-44 Reservoir and STAs	\$285 million	Jul 2007
Biscayne Bay Coastal Wetlands – Phase 1	<u>\$ 21 million</u>	Sep 2007
 Total for Contracts Started in FY2007 =	 \$ 663.5 million	



# DISCUSSION

