

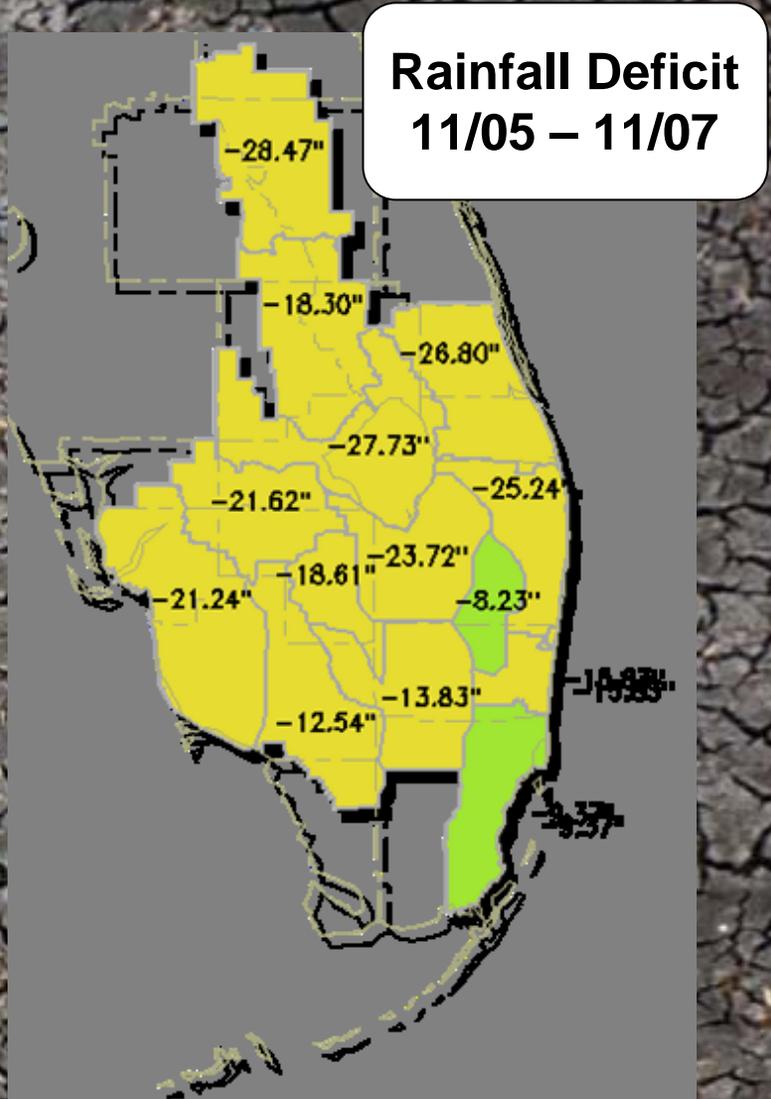


# 2007 Year in Review

December 12, 2007



# Drought Management Challenges & Opportunities





# Lake Okeechobee record low 8.82' NGVD on July 2, 2007





# Record 8 months of no flow in the Kissimmee River





# Drought Management Actions



- ▶ **Nov 2006 - Started with small core team**
- ▶ **Mar 2007 – Activated Emergency Operations Center**
  - ▶ **More than 300 staff members served EOC duty; more than 1,000 supported effort**



# Drought Management Actions



- ▶ **Emergency Operations Center**
  - ▶ **More than 50 legal actions, including 28 Water Shortage Orders**
  - ▶ **More than 900 variance requests processed**



# Drought Management Actions



- ▶ **Emergency Response**
  - ▶ **More than 20 drought management teams**
  - ▶ **Weekly in-depth water conditions analysis**
  - ▶ **Extensive utility and drainage district coordination**



# Drought Management Actions



▶ Strong cooperation by local government in enforcing residential water restrictions

▶ 11,000+ warning notices

▶ 12,000+ citations

▶ District enforcement of permitted water users

▶ 700+ Notices of Violation

▶ \$400,000+ in civil penalties



# Extensive Public Outreach



- ▶ 23,000+ telephone calls and 2,000+ email inquiries
- ▶ 5 million public information pieces
- ▶ 150,000 monthly web site hits
- ▶ 60,000 reached through speaking engagements, events and community meetings





# Extensive Media Coverage



- ▶ 13 press conferences and 700+ news interviews
- ▶ 64 public service announcements, print and billboard campaigns
- ▶ 4.25 million reached through utility, agency and corporate partnerships



# Keeping the Water Flowing



- ▶ Temporary pumps installed to assist Everglades Agricultural Area growers
  - ▶ 14 pumps at three sites





# Keeping the Water Flowing



- ▶ Assistance to Lakeside Communities with public water supply intakes:

- ▶ Provided support with inspecting, repairing & retrofitting intake systems and facilities

- ▶ Verify operation at low lake stages





# Lake Okeechobee Environmental Enhancements

2 million cubic yards of muck removed =  
140 metric tons of phosphorus





# Lake Okeechobee Environmental Enhancements

**Burned 70,000 acres**

**Treated 10,000 acres of torpedo grass**





# Lake Okeechobee Environmental Enhancements

**Planted 2,000+ native pond apple trees**





# Lake Okeechobee Environmental Enhancements

Removed navigation hazards  
Marina dredging at Pahokee and Belle Glade





# Stormwater Treatment Area Rehabilitation



Before

After



# Stormwater Treatment Area Rehabilitation



Before

After



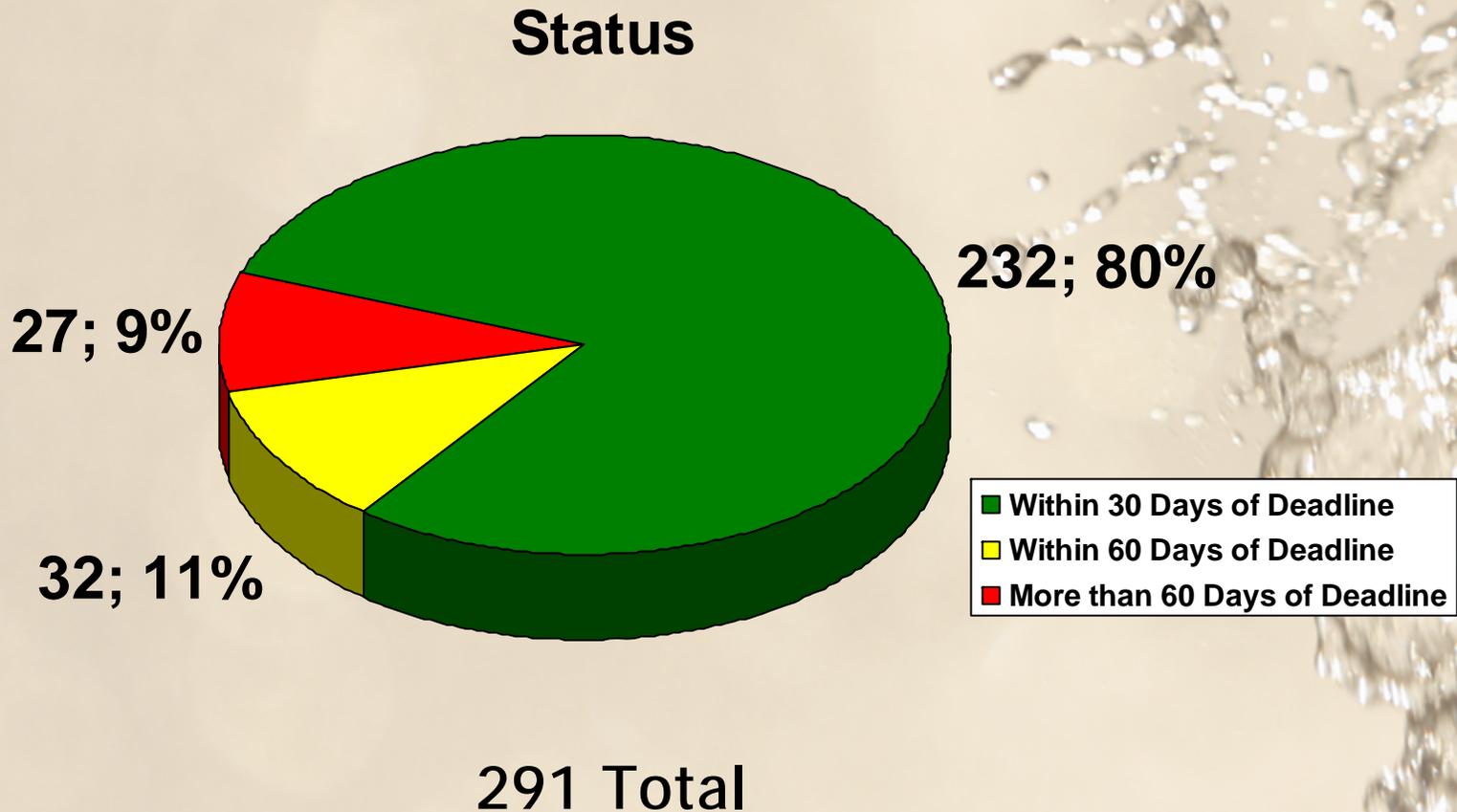
**2007**

**A Water Shortage did not dampen our Success!**



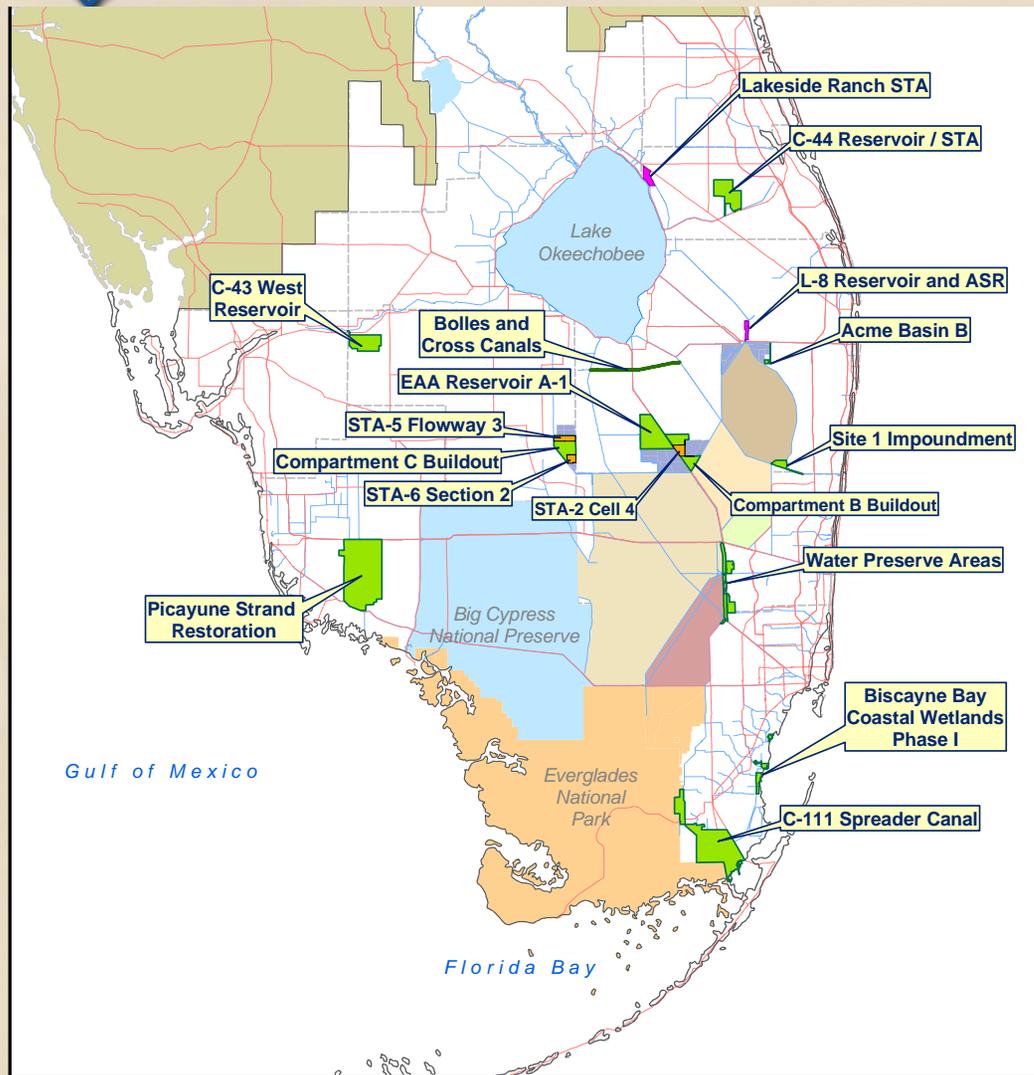
# Striving for Green!

- ▶ 91% of projects within 60 days of compliance





# You directed us to: Expedite Everglades Restoration



- ✓ Successful first issuance of Certificates of Participation - \$546M
- ✓ To date: \$361 million in construction

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PRIORITY**



# 2007 Construction Progress Initial STA Expansion

6,000 acres of stormwater treatment area ...  
completed!





# 2007 Construction Progress Acme Basin B Discharge

C-1 canal and pump station ... completed!





# 2007 Construction Progress Picayune Strand

Restoration of 13,000 acres of total 55,000 acres ... completed!





# 2007 Construction Progress EAA Reservoir A1

3 miles of seepage canal completed –  
remainder under way





# 100% Expenditure of FY07 Land Acquisition Funds



- ▶ 7,331 total acres acquired - \$84.7 million
- ▶ 775 additional acres acquired through no-cost land exchanges
- ▶ Key Acceler8 acquisitions
  - ▶ Biscayne Bay coastal wetlands
  - ▶ C-11 impoundment



# Stewardship of Public Lands



- ▶ 67,000 acres of prescribed fire
- ▶ 68,000 acres of exotics treated
- ▶ District-wide Recreation Plan
  - ▶ Opened STA 2 to waterfowl hunting; STA 5 & STA 1W to alligator hunting
  - ▶ Successful county partnerships
    - ▶ Lake Kissimmee boat ramp
    - ▶ Taylor Creek STA
    - ▶ Allapattah trailhead



## You directed us to: **Improve Everglades Water Quality**



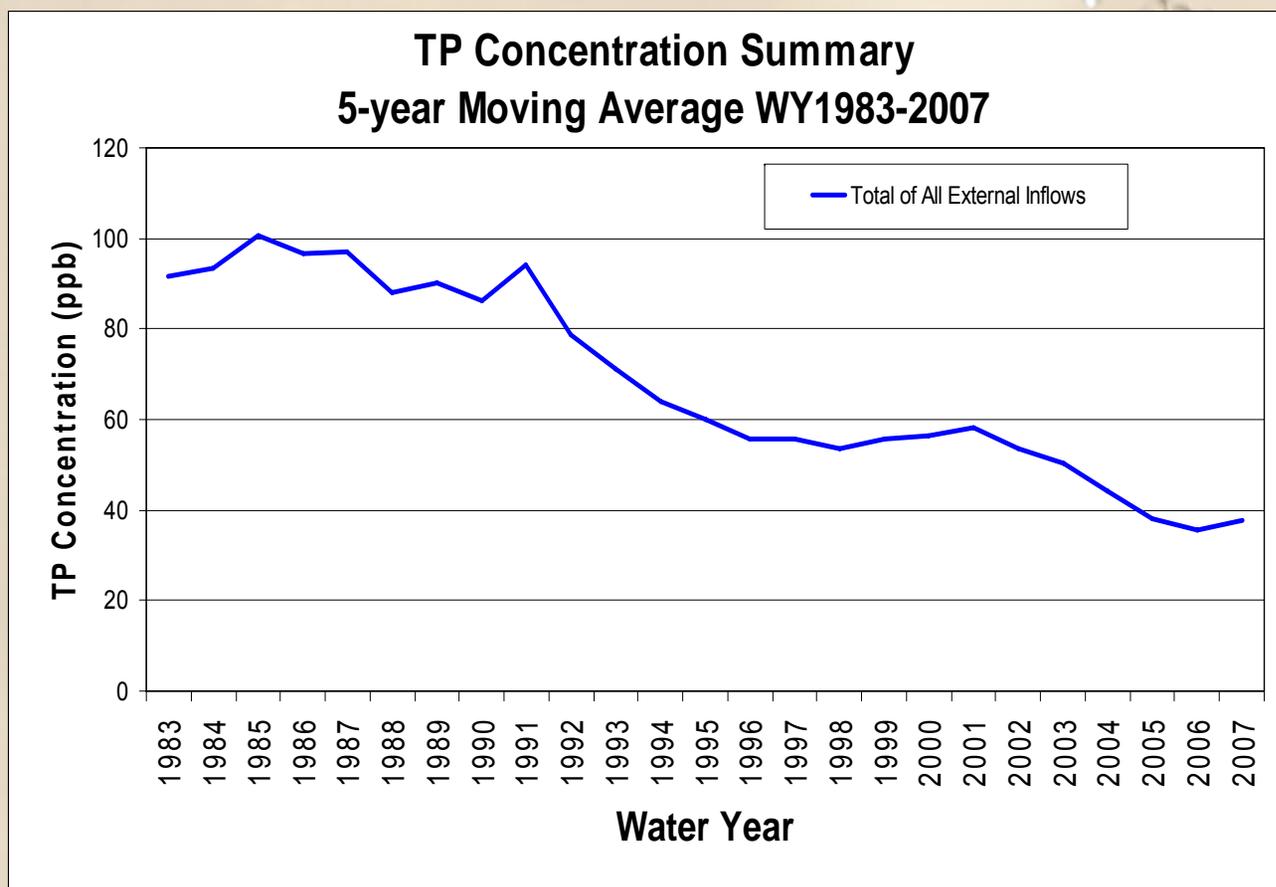
- ✓ **Stormwater Treatment Areas reduced total phosphorus load by 71%**
- ✓ **Mean outflow 45 ppb (total period of record)**
- ✓ **6,000 additional acres were flow-capable Dec 2006**

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# Cleaner Water for the Everglades

- ▶ Total phosphorus concentrations into Everglades continue to drop dramatically





You directed us to:

## Integrate Kissimmee Watershed Strategies



- ✓ Completed draft scientific and technical basis for Kissimmee Chain-of-Lakes Long-Term Management plan
- ✓ Developed and calibrated operational model of Kissimmee watershed
- ✓ Corps of Engineers completed construction on 2 miles of river restoration

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PRIORITY**



# Phase IV-A River Restoration 2 Additional Miles Backfilled

Pre-construction

August 28, 2007





## You directed us to: Restore Health of Lake Okeechobee



- ✓ Northern Everglades and Estuaries legislation
- ✓ Treated over 10,000 acres of torpedograss
- ✓ Burned over 70,000 acres of marsh
- ✓ Drought provided opportunities for environmental restoration

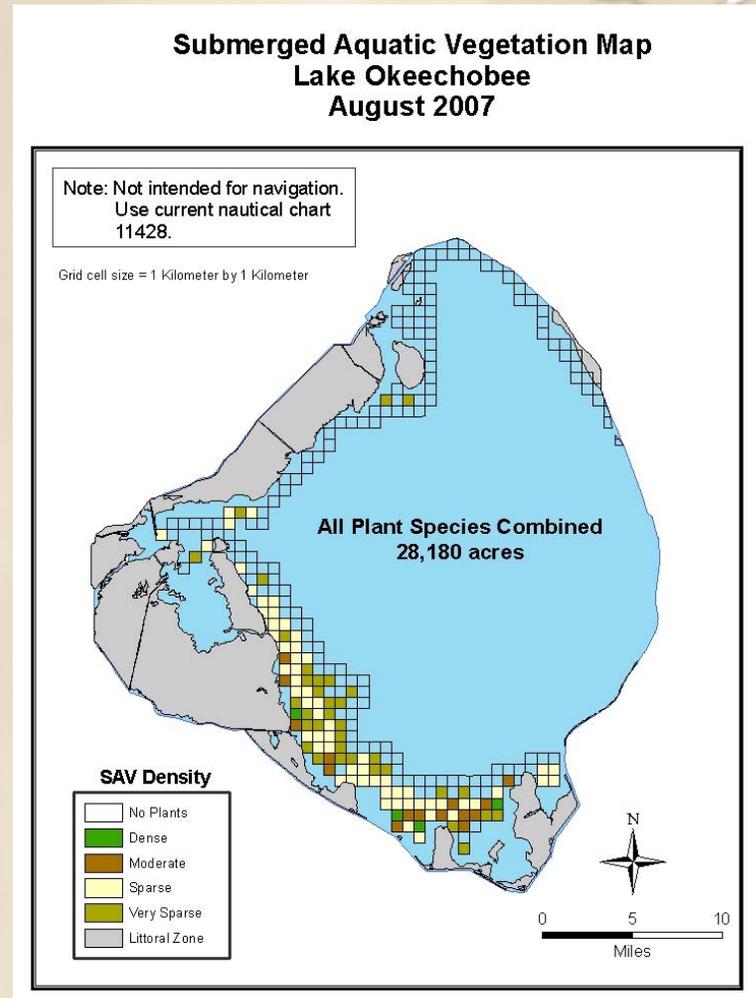
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PRIORITY**



# Lake Okeechobee Hurricane Recovery

## Signs of recovery

- ▶ Improvements in suspended solids, in-lake phosphorus levels and phosphorus loadings
- ▶ Evidence of recovery for submerged vegetation





## You directed us to: **Protect Coastal Watersheds**



- ✓ Northern Everglades and Estuaries legislation
- ✓ 40+ Local Initiative projects totaling \$45M
- ✓ Naples Bay Surface Water Improvement and Management Plan - completed

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## You directed us to: **Meet & Balance Water Demands**



- ▶ **2005 – 3.4 Billion GPD**
  - ▶ 53% agriculture
  - ▶ 47% urban
  
- ▶ **2025 – 4.3 Billion GPD**
  - ▶ 41% agriculture
  - ▶ 59% urban
  
- ▶ **PLUS environmental needs**

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# Alternative Water Supply and Conservation



- ✓ **Alternative Water Supply**
  - ▶ 52 projects - 35 MGD
- ✓ **Water Conservation**
  - ▶ 14 Water Savings Incentive Program (Water SIP) projects
- ✓ **Regional Water Availability rule**



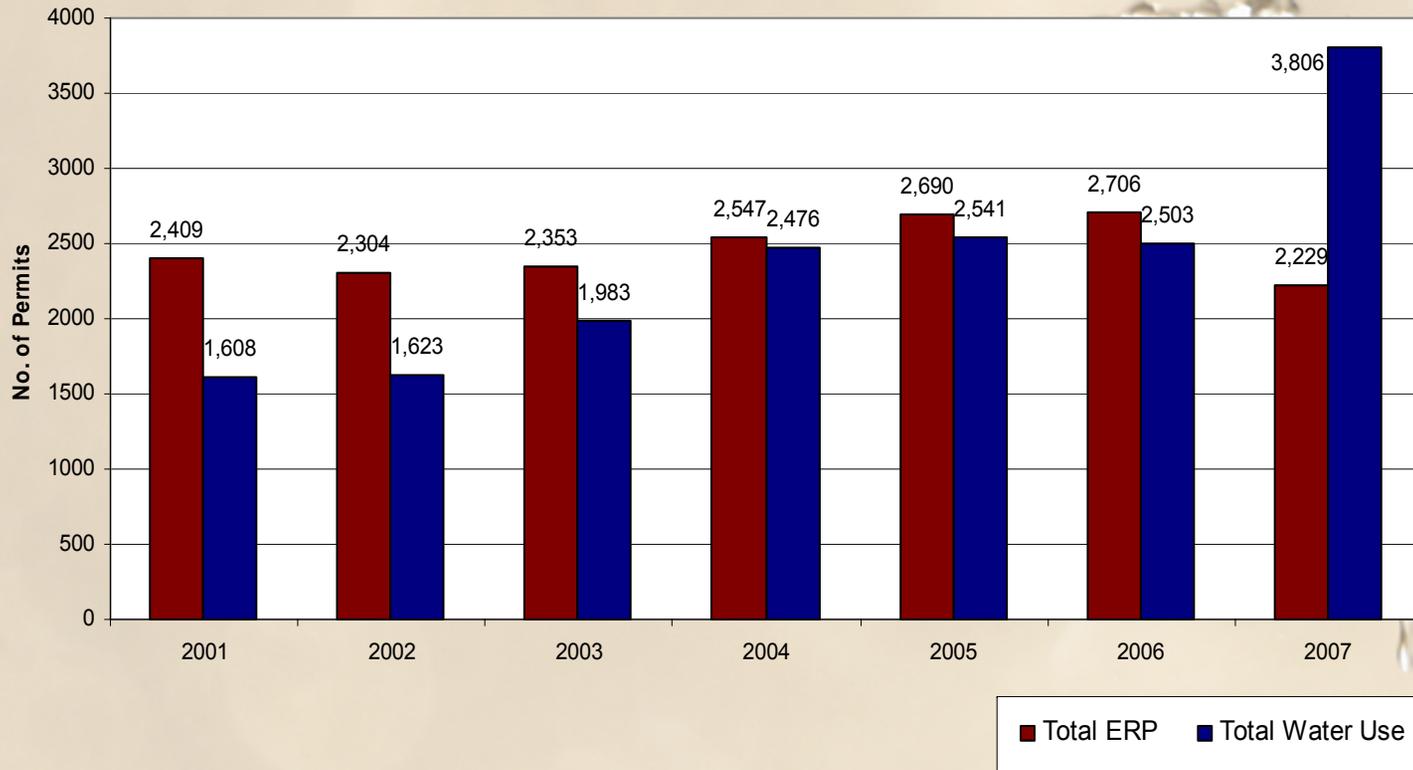
# Water Use Permitting actions

Central Florida and Miami-Dade





# Permitting Trends



Note: Permit Types Included: Individual & General Permits, Early Works, Letter Mods, Transfers and Well Construction Permits.



# You directed us to: Refurbish C&SF System



S-12D Dredging



S-6 Trash Rakes



C-41 Repairs FEMA



S-65E  
Automatic

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# C-18 Bank Restoration





# St. Cloud Field Station





# Structure Inspection & Canal Conveyance





# Erosion Repair



**L-12 (before)**



**L-12 (after)**



# Erosion Repair



C-51 (Before)



C-51 (After)



# Erosion Repair



C-25 (Before)



C-25 (After)



# Erosion Repair



C-24 (Before)



C-24 (After)



# Erosion Repair



S-65D



S-72



# Hurricane Hardening



**S-127 Hardening, Control Room and Automation**



# Hurricane Hardening



S-4



S-140



# Hurricane Hardening



S-133



S-129



# Hurricane Hardening



**S-135 Roof Decking**



**S-131**



You directed us to:

## Retain & Recruit Diverse Workforce



- ✓ Mentoring program
- ✓ Customer Service training
- ✓ "Making a Global Connection" employee picnic
- ✓ First Career Fair

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## Other Key Accomplishments

- ▶ Regional Simulation Model ... Completed and implemented!
- ▶ Held first-ever Water Summit



***“Establishing a healthy public dialogue and engaging stakeholders in our decisions is a priority.”***

SFWMD Governing Board Chairman Eric Buermann



# Continuous Business Improvements

- ▶ **Additional SAP implementation**
- ▶ **1,000+ small business certifications**
- ▶ **Established cross-functional FAST teams**
- ▶ **Implemented Budget "Decision Packages"**

## SAP – Asset Management





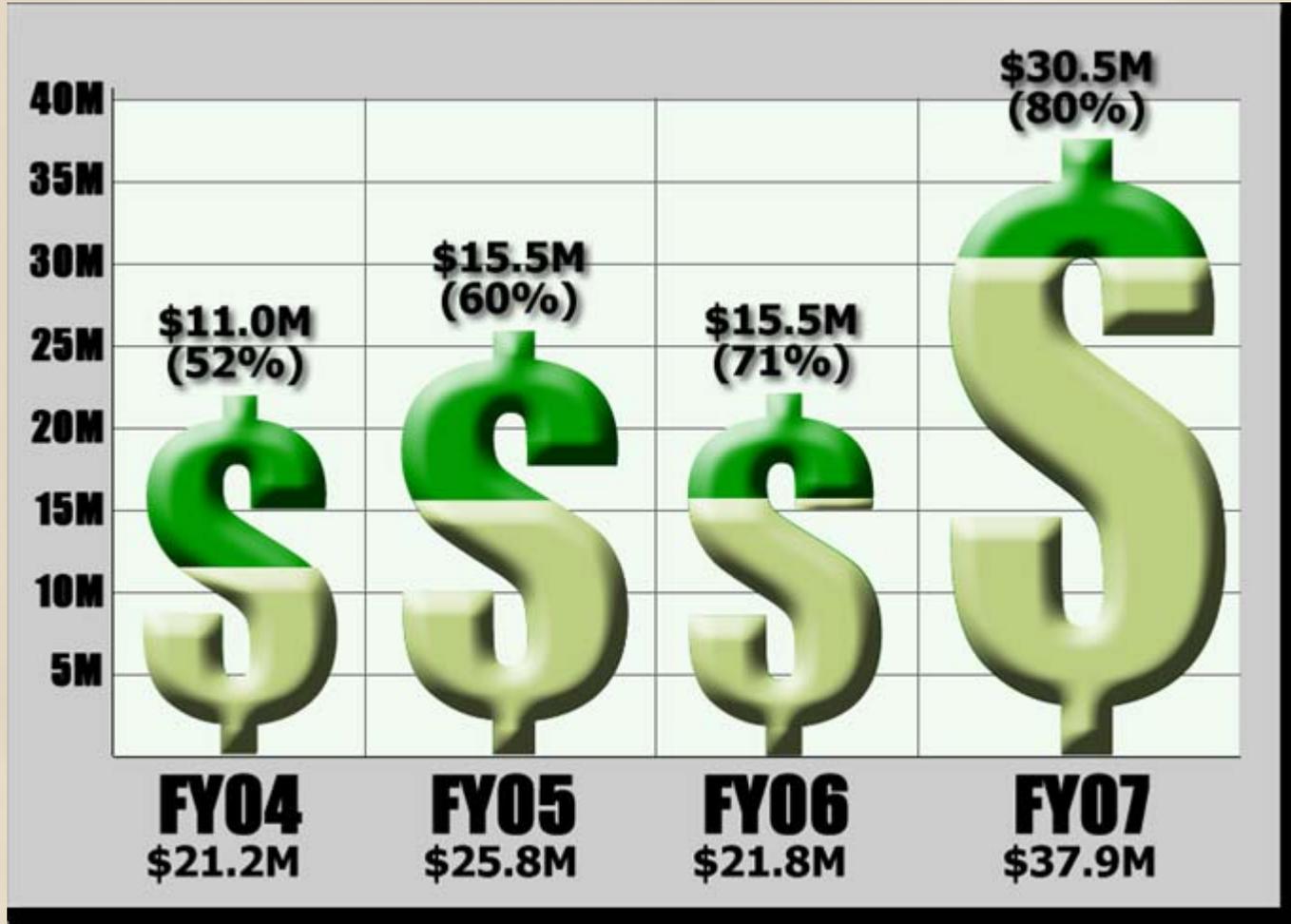
# Governor Initiatives

- ▶ **Executive Orders:**
  - ▶ **Climate Change – “Green Team”**
  - ▶ **Customer Service – Ombuds / Public Records**
  - ▶ **Plain Speak**



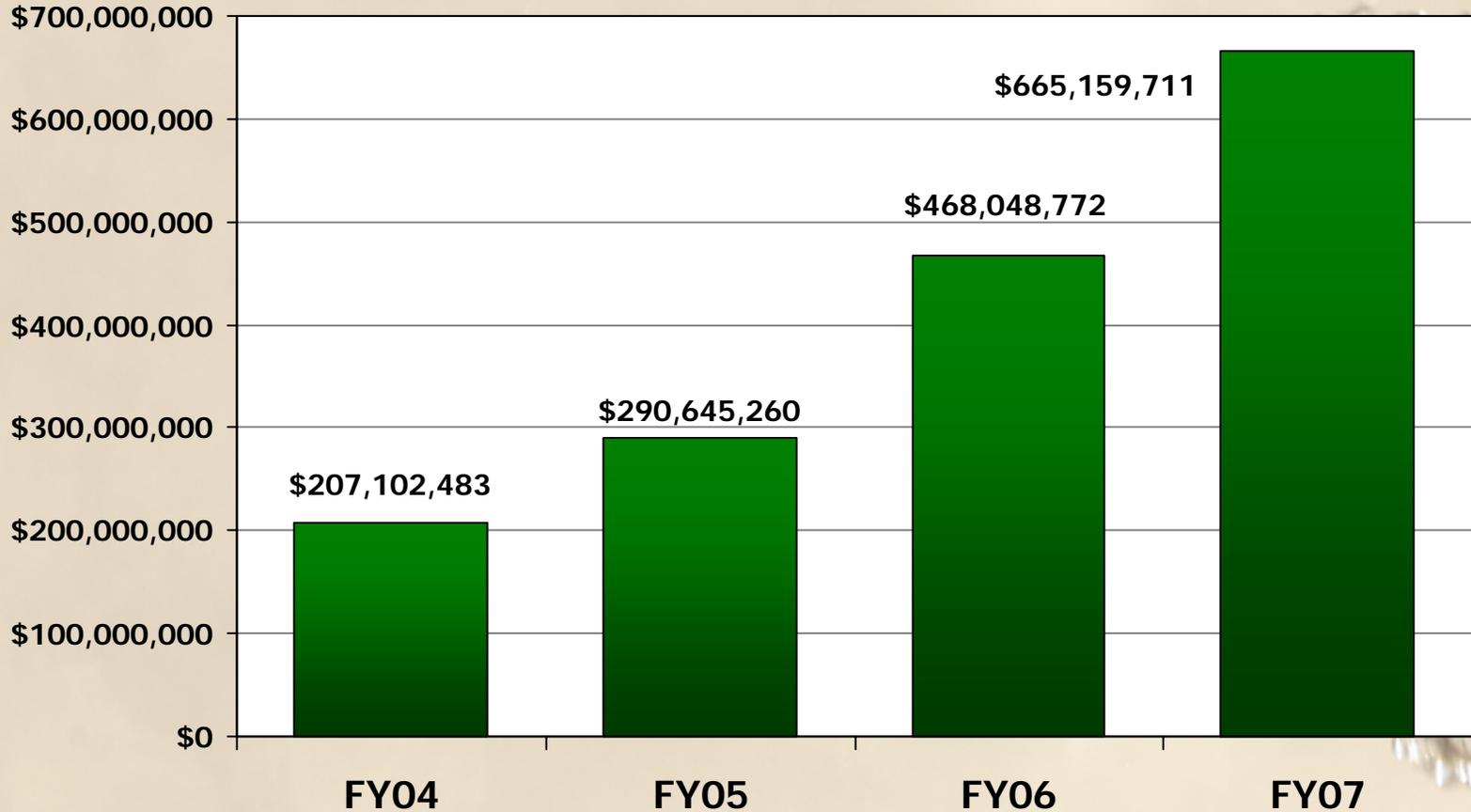


# Local Government Partnerships Budgeted vs Actual Expenditures





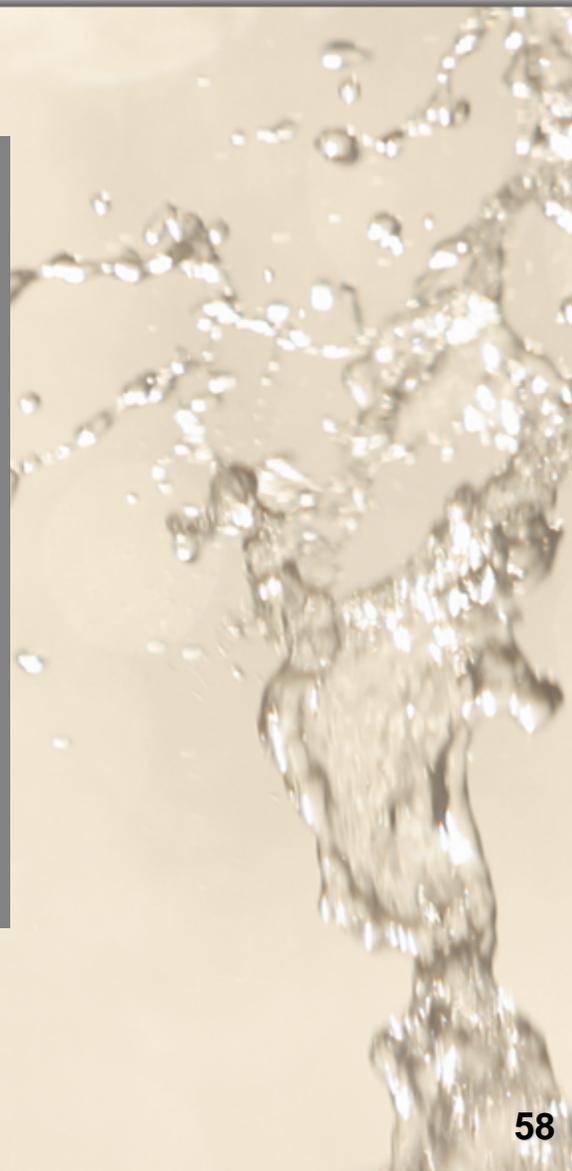
# Procurement Dollars Spent



*Total Procurement Dollars spent without Land Purchases  
(includes contracts & purchase orders)*



# Looking ahead...





**Thank you for your leadership  
and support!**