



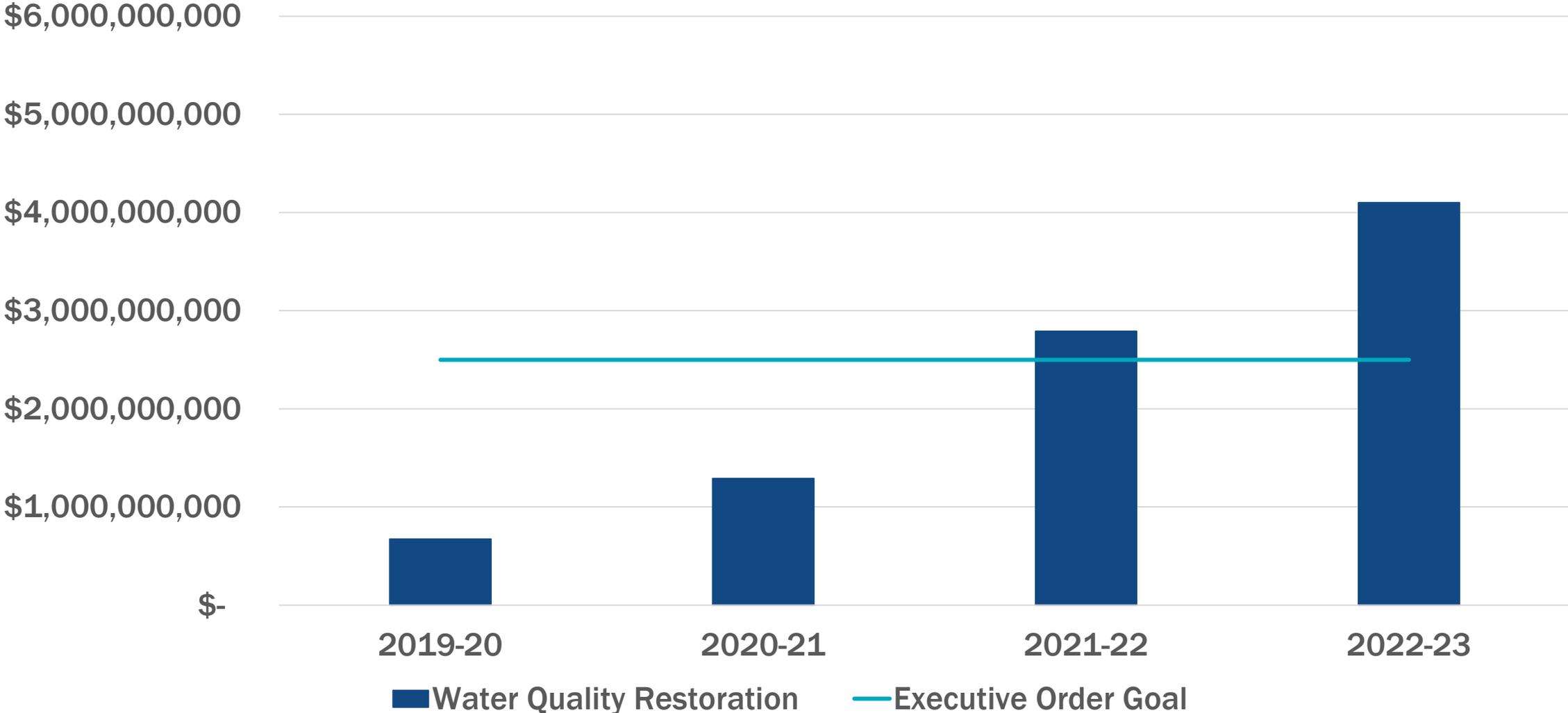
# Protecting **FLORIDA** Together

**FLORIDA'S COMPREHENSIVE RESTORATION FUNDING**

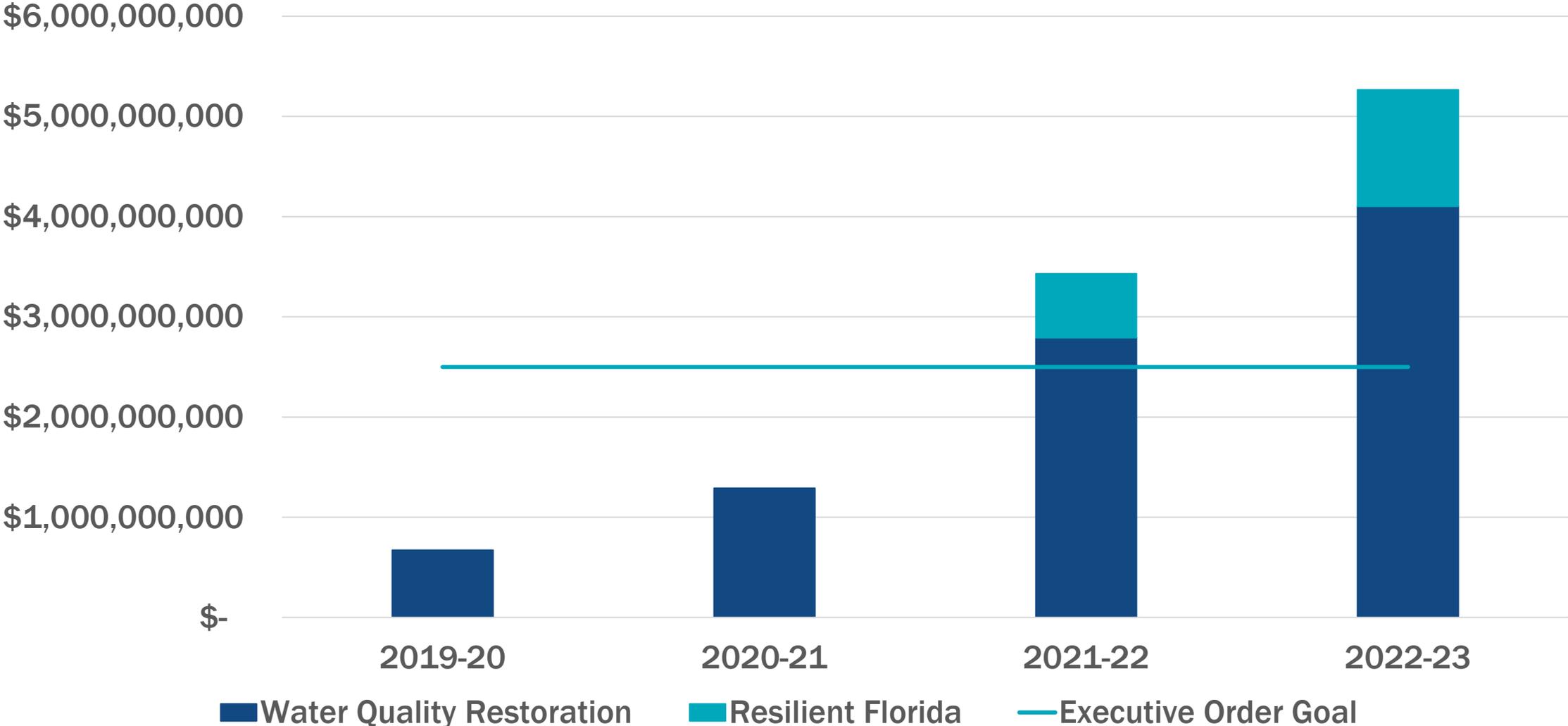
**Adam Blalock**

Deputy Secretary, Ecosystem Restoration

# EXCEEDING PROMISES IMPLEMENTATION OF A BOLD VISION



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# EXCEEDING PROMISES IMPLEMENTATION OF A BOLD VISION



**\$4.1 BILLION**



**\$93.2 million for  
LEADING WITH SCIENTIFIC SOLUTIONS**



**\$1.6 billion for  
TARGETING WATER QUALITY IMPROVEMENTS**



**\$300 million for  
SPRINGS RESTORATION**



**\$170 million for  
ALTERNATIVE WATER SUPPLY**



**\$1.9 billion for  
EVERGLADES RESTORATION**



# LEADING WITH SCIENTIFIC SOLUTIONS

\$93.2 MILLION INVESTED IN FOUR YEARS



TARGETED WATER QUALITY IMPROVEMENTS



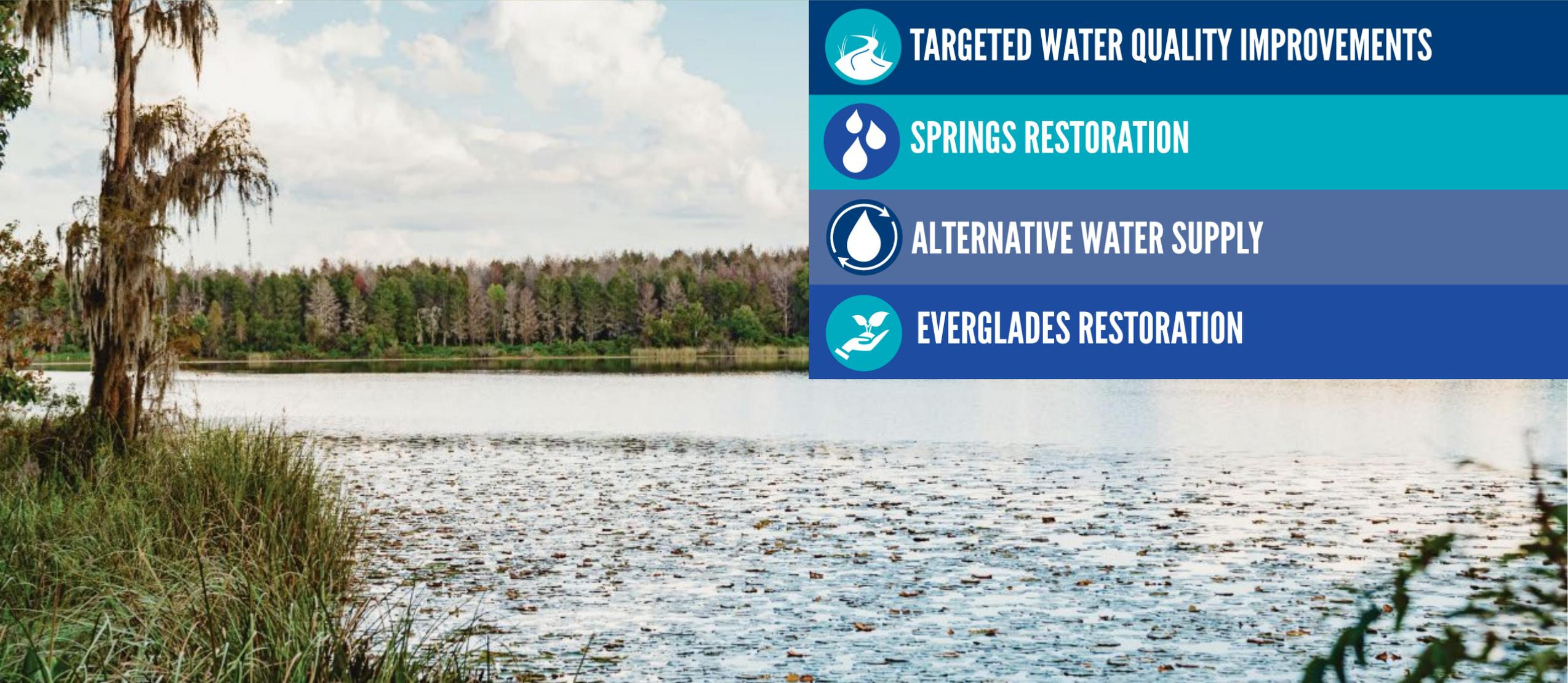
SPRINGS RESTORATION



ALTERNATIVE WATER SUPPLY



EVERGLADES RESTORATION





# LEADING WITH SCIENTIFIC SOLUTIONS

## INNOVATIVE TECHNOLOGY GRANT PROGRAM

INNOVATIVE TECH - [PROTECTINGFLORIDATOGETHER.GOV](https://protectingfloridatogether.gov) - TRANSPARENCY & ACCOUNTABILITY - RED TIDE RESPONSE



### HIGHLIGHT PROJECT

Intact cellular algae harvesting with simultaneous nutrient export to mitigate harmful algae blooms and reduce nutrients.

**\$1.6 million grant to the SJRWMD,** AECOM's barge-mounted algae harvesting system collected and removed algae and nutrient rich surface water from Lake Jesup.

**\$1.9 million grant to the NFWMD,** AECOM implemented a mobile algal harvesting unit adjacent to the Lake Munson control structure.

**\$1 million grant to Brevard County,** AECOM will test this system in brackish waterways of the IRL.



LEADING WITH SCIENTIFIC SOLUTIONS



# TARGETED WATER QUALITY IMPROVEMENTS

\$1.6 BILLION INVESTED IN FOUR YEARS



SPRINGS RESTORATION



ALTERNATIVE WATER SUPPLY



EVERGLADES RESTORATION



# TARGETED WATER QUALITY IMPROVEMENTS

**\$1.6 BILLION INVESTED IN FOUR YEARS**

STORMWATER - WASTEWATER - SEPTIC TANKS - CORAL RESEARCH - HYDROLOGIC RESTORATION

**574**

awards totaling  
\$1.1 billion

**1.7**

million  
lbs/yr TN

**23.6**

thousand  
lbs/yr TP

## HIGHLIGHT PROJECT

**South Beaches 2.0 MGD WWTF Advanced Wastewater Treatment (AWT) Conversion**

Brevard County will convert the 2.0 MGD treatment train to a 4-Stage Bardenpho biological nutrient removal (BNR) process and replacement of the aeration system in the existing sludge holding tank system for the benefit of Mosquito/Indian River Lagoon.

This aims to reduce Total Nitrogen by 57,900 Total Phosphorus by 14,000 lbs. per year.



**LEADING WITH SCIENTIFIC SOLUTIONS**



**TARGETED WATER QUALITY IMPROVEMENTS**



# **SPRINGS RESTORATION**

**\$300 MILLION INVESTED IN FOUR YEARS**



**ALTERNATIVE WATER SUPPLY**



**EVERGLADES RESTORATION**



# SPRINGS RESTORATION

\$300 MILLION INVESTED IN FOUR YEARS

LAND ACQUISITION - WASTEWATER - SEPTIC TANKS - AG BMP IMPLEMENTATION - HYDROLOGIC RESTORATION

**115**

awards totaling  
\$211 million

**590**

thousand  
lbs/yr TN

**5,000**

septic systems  
targeted

## HIGHLIGHT PROJECT

### CITRUS COUNTY OLD HOMOSASSA EAST AND DOWNTOWN SEPTIC TO SEWER

\$7.5 million grant to Citrus County will design, permit and construct a regional wastewater collection system in the Old Homosassa neighborhood.

This aims to reduce Total Nitrogen by an estimated **1,900 lbs. per year** and eliminate **200 septic tanks**.



**LEADING WITH SCIENTIFIC SOLUTIONS**



**TARGETED WATER QUALITY IMPROVEMENTS**



**SPRINGS RESTORATION**



# **ALTERNATIVE WATER SUPPLY**

**\$170 MILLION INVESTED IN FOUR YEARS**



**EVERGLADES RESTORATION**





# ALTERNATIVE WATER SUPPLY

**\$170 MILLION INVESTED IN FOUR YEARS**

WATER CONSERVATION - RECLAIMED WATER - BRACKISH GROUNDWATER - AQUIFER RECHARGE - SURFACE WATER STORAGE

**96**

awards totaling  
\$110 million

**116**

MGD in first  
two years

**252**

MGD in upon  
completion

## HIGHLIGHT PROJECT

### GRU GROUNDWATER RECHARGE WETLAND

GRU will construct a groundwater recharge wetland using reclaimed water from the Kanapaha water reclamation facility. Capacity is designed for long term growth with an estimated 3-5 MGD water recharge at completion.

Land acquisition and preliminary design were funded with a \$1.5 million grant. An additional \$4.6 million was recently awarded for construction.

This project benefits the Lower Santa Fe and Ichetucknee MFL recovery strategy.



**LEADING WITH SCIENTIFIC SOLUTIONS**



**TARGETED WATER QUALITY IMPROVEMENTS**



**SPRINGS RESTORATION**



**ALTERNATIVE WATER SUPPLY**



# EVERGLADES RESTORATION

**\$1.9 BILLION INVESTED IN FOUR YEARS**





# EVERGLADES RESTORATION

\$1.9 BILLION INVESTED IN FOUR YEARS



## OLD TAMIAMI TRAIL ROAD REMOVAL

This project, completed six months early in August 2021, increases flows of freshwater into the Northeast Shark River Slough area of Everglades National Park by more than 220 billion gallons, per year.



# EVERGLADES RESTORATION

**\$1.9 BILLION INVESTED IN FOUR YEARS**

## **HIGHLIGHT PROJECT EAA RESERVOIR AND A-2 STA**

This project helps reduce the damaging discharges to the Caloosahatchee and St. Lucie estuaries by redirecting those discharges south, out of Lake Okeechobee. It cleans the water to meet the strict Everglades standard before sending it south to support a healthier Everglades and Florida Bay. The state of Florida began its portion 12 months ahead of schedule and will finish the STA portion in 2023.





# EVERGLADES RESTORATION

**\$1.9 BILLION INVESTED IN FOUR YEARS**

## HIGHLIGHT PROJECT C-43 RESERVOIR

This project, accelerated by four years and slated for substantial completion in December 2023, captures the excess flows during the wet season to reduce damaging discharges to the Caloosahatchee estuary. The stored water will be available during the dry season to aid in maintaining an appropriate salinity regime for the estuary, supporting a healthy ecosystem.

The C-43 will remove 19,800 lbs of Total Phosphorous per year and creates 47,604 mg of storage.



# RESILIENT FLORIDA

## ADDRESSING THE THREAT OF SEA LEVEL RISE AND FLOODING



**\$1.1 BILLION**



\$40 million for  
**PLANNING GRANTS**



\$4million for  
**REGIONAL RESILIENCE ENTITIES**



\$500 million for  
**RESILIENT FLORIDA GRANT PROGRAM**



\$471 million for  
**STATEWIDE FLOODING AND SEA LEVEL RISE RESILIENCE PLAN**



\$66 million for  
**CORAL RESTORATION, USF FLOOD HUB AND RESILIENT FLORIDA PROGRAM**

# RESILIENT FLORIDA

## STATEWIDE FLOODING AND SEA LEVEL RISE RESILIENCE PLAN



**Transportation  
assets and  
evacuation  
routes.**

**Natural,  
cultural and  
historical  
resources.**

**Wastewater,  
stormwater and  
other utility  
infrastructure.**

**Critical  
community and  
emergency  
facilities.**

# RESILIENT FLORIDA

## STATEWIDE FLOODING AND SEA LEVEL RISE RESILIENCE PLAN



### **JULY 1**

DEP opened Resilient Florida project portal for submissions.

### **SEPT. 1**

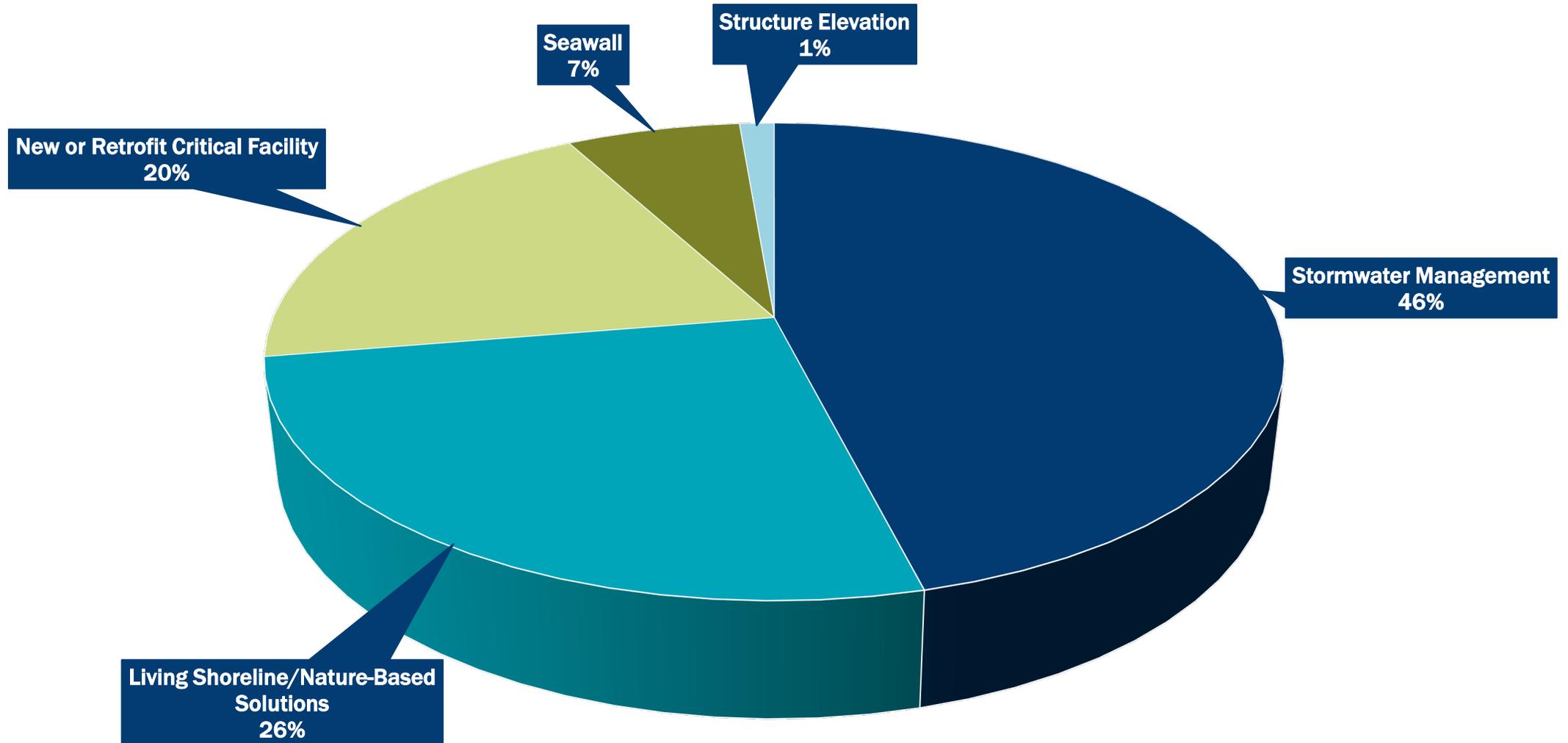
Deadline to submit proposed projects through portal.

### **DEC. 1**

Statewide Flooding and Sea Level Rise Resilience Plans due.



# STATEWIDE FLOODING AND SEA LEVEL RISE RESILIENCE PLAN



# RESILIENT FLORIDA

## STATEWIDE FLOODING AND SEA LEVEL RISE RESILIENCE PLAN



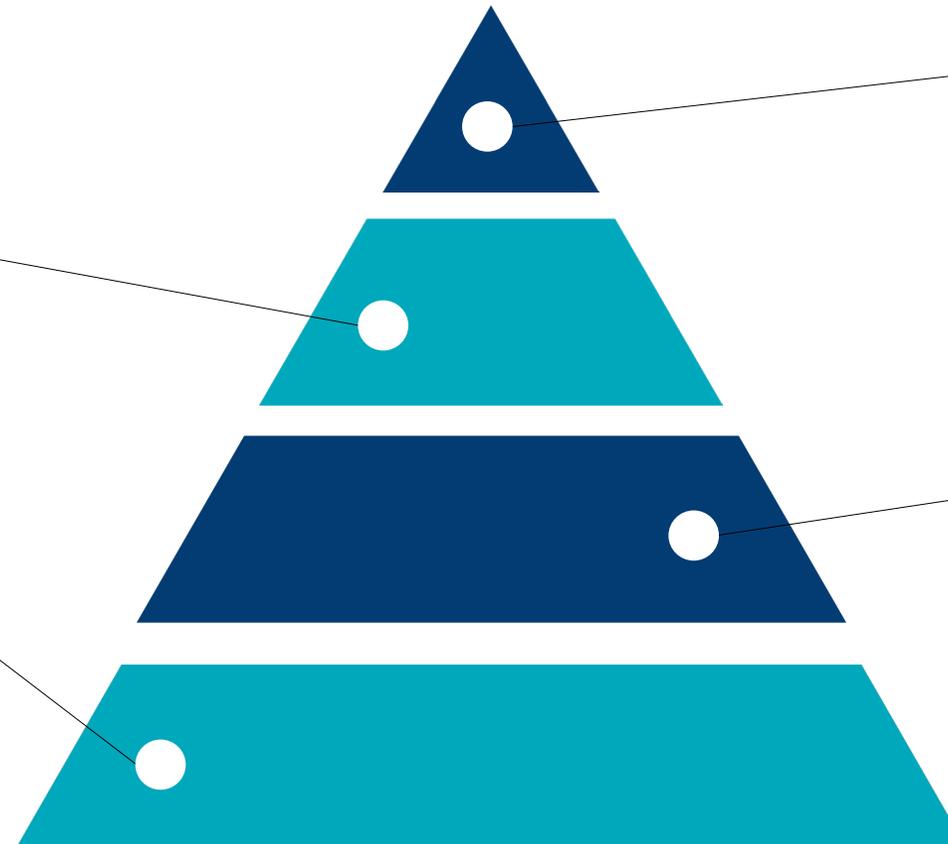
A TIERED REVIEW PROCESS FOR THE PLAN WAS CREATED IN SB 1954 AND CODIFIED IN SECTION 380.093, F.S.

### TIER 3 (20%)

Local match, previous commitment and exceeding minimum requirements.

### TIER 1 (40%)

Addressing risks to critical assets and regionally significant assets, as well as existing efforts to reduce upland costs.



### TIER 4 (10%)

Innovation to reduce costs, regional collaboration, and financially disadvantaged communities.

### TIER 2 (30%)

Existing flooding conditions, readiness to proceed, environmental options and exceeding minimum requirements.



**THANK YOU**