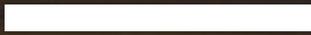


# OOR



PALM BEACH COUNTY  
OFFICE OF RESILIENCE

# OUR VALUES



## EQUITY

Prioritizing “frontline communities,” i.e., people both highly exposed to climate risks and with fewer resources, capacity, safety nets or political power to respond to those risks in planning, processes, and outcomes



## ADAPTATION

Anticipate, prepare for, and respond to acute shocks, disruptions and hazardous events or longer-term, chronic stressors related to or exacerbated by climate change



## MITIGATION

Reducing greenhouse gas emissions to lessen the impacts of climate change



## SUSTAINABLE DEVELOPMENT

Create solutions that serve the environment and community and promote a better, healthier, and cleaner future

# CLIMATE THREATS



**High Winds**



**Rainfall-Induced Flooding**



**Harmful Algal Blooms**



**Pest & Disease Outbreaks**



**Extreme Heat**



**Drought**



**Wildfire**



**Shoreline Recession**



**Tidal Flooding**



**Storm Surge**



**Groundwater Inundation**



**Saltwater Intrusion**

# SEA LEVEL RISE

## NOAA High

Recommended for Sensitive and Critical Infrastructure

## NOAA Intermediate High

Recommended for Assets with Adaptive Capacity

## IPCC Median

Recommended for Assets with Short Life Cycle

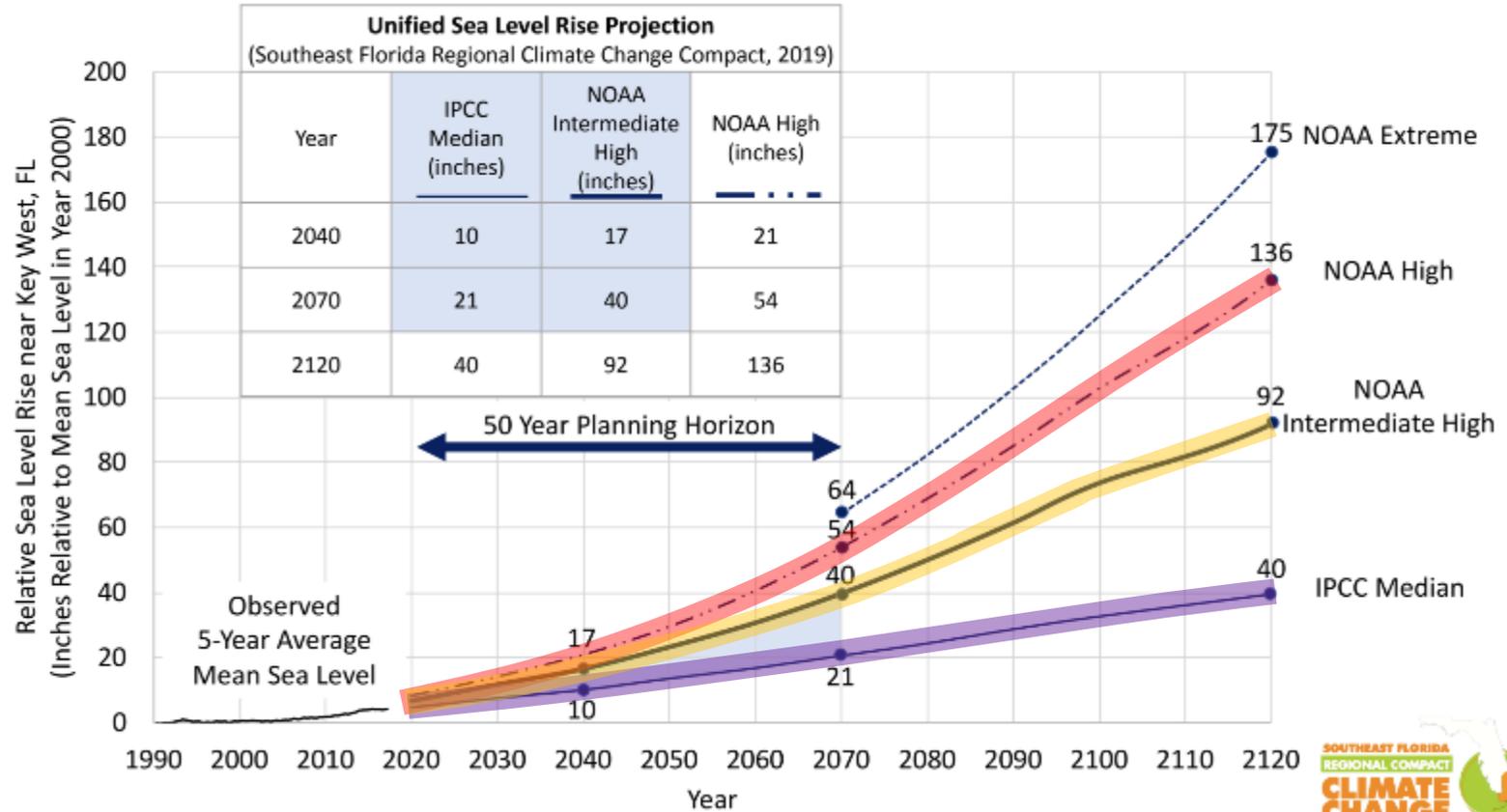


FIGURE 1: SFRCCC Unified Sea Level Rise Projection modified to show colored curves





# SOME OF OUR PROJECTS

# RESILIENT COUNTY CAPITAL IMPROVEMENTS POLICY

Palm Beach County is formalizing resilience and sustainability in construction projects. Working with County construction departments, OOR is ensuring that buildings, water treatment plants, runways, roads and bridges, natural areas, and other County capital construction projects that the County builds or operates are using resources wisely and preparing for climate change.



# VA+RAP



## **VULNERABILITY ASSESSMENT (VA)**

OOR is leading a VA that will assess climate threat impacts on the County's assets for the County's unincorporated and western areas.

## **RESILIENCE ACTION PLAN (RAP)**

OOR will work with County departments, CDTs, and stakeholders to use the VA to develop a County-wide implementation strategy, identify resiliency priority projects, and create greenhouse gas reduction options that could achieve net zero emissions.

# VARAP<sup>8</sup>

## Community Planning Workshops: Pahokee, Central PBC, and Belle Glade

OOR received a grant from the Urban Sustainability Directors Network (USDN) to strengthen capacity of frontline communities for climate resilience planning to ensure more equitable processes and outcomes for the VARAP.

**“The students were beaming with pride after sharing their climate stories and helping to facilitate these workshops. Participating and seeing how the climate planning process works was the highlight of their week!”**

- Dr. Rachel Wellman, FAU Pine Jog Climate READY Program Coordinator

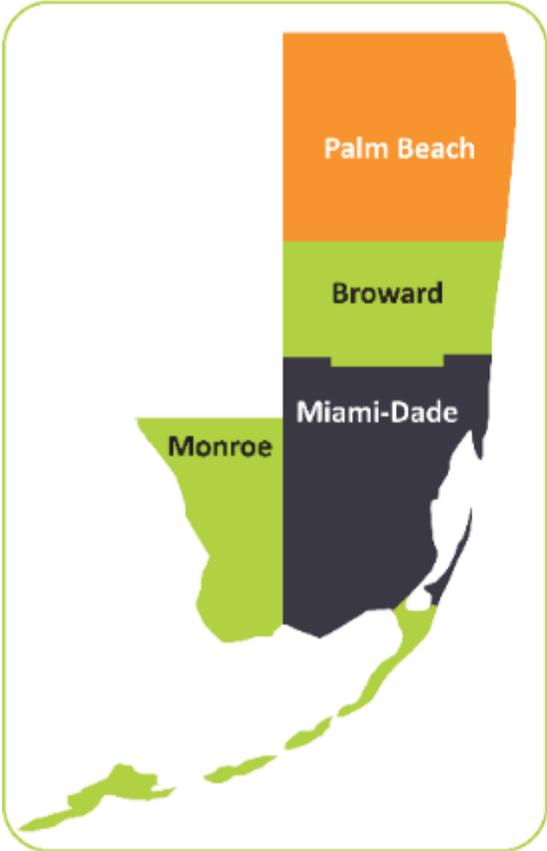


# Southeast Florida Regional Climate Change Compact

- Ratified January 2010
- Palm Beach, Broward, Miami-Dade, and Monroe Counties (109 cities and 6 million people)
- Address climate impacts and solutions at scales beyond jurisdictional boundaries



## SOUTHEAST FLORIDA REGIONAL COMPACT CLIMATE CHANGE



# SE FL CLIMATE COMPACT



November 2022

- Agriculture
- Energy
- Equity
- Informed and Engaged Communities
- Natural Systems
- Public Health
- Public Policy Advocacy
- Regional Economic Resilience
- Risk Reduction and Emergency Coordination
- Sustainable Communities and Transportation
- Water



Southeast Florida Regional Climate Change Compact  
**REGIONAL CLIMATE  
ACTION PLAN 3.0**

# SE FL CLIMATE COMPACT

- Updated Mayor's Pledge for Cities
- Implementation Workshops (TBD - Resilient Housing, Federal Funding Opportunities)
- Climate Change Assessment Tool (C-CAT) Municipal Survey (May 2024)
- Regional Climate Action Plan 3.0 Implementation
- Federal and State Legislative Platform
- 11/15/24 to 11/16/24: Climate Summit, Miami Beach, FL



# PROJECTS <sup>12</sup>

**2023**

**EQUITY  
MITIGATION**

**ADAPTATION  
SUSTAINABILITY**

- **VARAP**
- **INFRASTRUCTURE**
- **ELECTRIC VEHICLES**
- **PACE**
- **GRANT FUNDING**
- **OUTREACH**
- **HOUSING  
RESOURCES**
- **RESILIENCE HUBS**
- **SUSTAINABLE  
AGRICULTURE**
- **TREE CANOPY**

# STATE RESILIENT FLORIDA FUNDING



# +\$1.1b

1/10/23 Executive Order - The State has invested more than \$1.1 Billion in resilience projects to protect our communities from flooding and sea level rise, and reaffirmed its commitment to funding resiliency projects.

2/6/23: Governor DeSantis's budget proposal includes \$406 Million for resilience.



# RESILIENT FLORIDA

14

# \$72,621,160

Resilient Florida funding awarded to PBC County and Municipalities since 2021

## PBC MUNICIPALITIES

### Planning Grants- \$2,331,890

- 13 PBC towns & Cities
- Coastal Resilience Partnership
- SE FL Regional Climate Change Compact

### Implementation Grants- \$48,280,267

- Underground Utilities Hardening
- Septic to Sewer Conversions
- Tidal Valve Adaptation Project
- Road Drainage Improvements
- Storm Water System Upgrades
- Wastewater System Upgrades
- Lift Stations Elevation
- Seawall Construction
- Pump Station Resilience

## PBC DEPARTMENTS

### Planning Grant- \$500,000

- Vulnerability Assessment (VA) of Unincorporated PBC & Glades Cities

### Implementation Grants- \$21,509,003

- Australian Avenue Drainage Improvements
- M-2 Bypass
- Western Region Wastewater Treatment Facility Operations Building Replacement
- Wastewater Lift Station LS 0637 Hardening Improvements
- Overtopping and Breaching and Provide Southeast Corbett with Improved Recession Rates

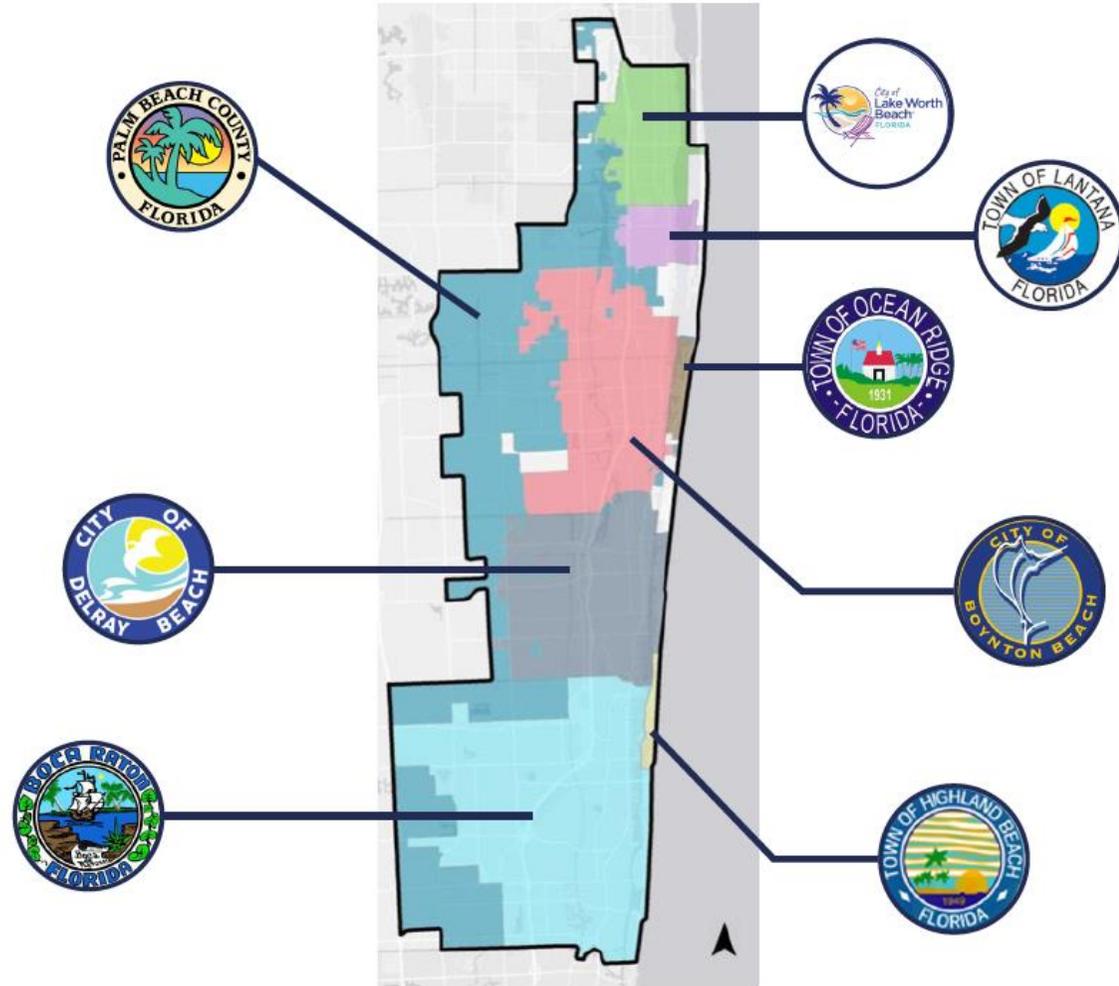


# COASTAL RESILIENCE PARTNERSHIP

SOUTHEAST PALM BEACH COUNTY

## Multi-Jurisdictional Climate Change Vulnerability Assessment

- Shared waterways and infrastructure
- Similar physical, geographic, and social characteristics
- Similar climate change impacts and threats
- Shared vulnerability
- Shared need for a comprehensive climate change vulnerability assessment



THIS MAP REPRESENTS THE STUDY AREA FOR THE COASTAL RESILIENCE PARTNERSHIP OF SOUTHEAST PALM BEACH COUNTY CLIMATE CHANGE VULNERABILITY ASSESSMENT

A nighttime photograph of a cityscape reflected in water. The sky is dark with some clouds. In the background, there are several buildings, including a large one with arched windows on the right. Palm trees are silhouetted against the sky. The water in the foreground is dark, with some reflections of the lights from the buildings.

# Q & A

THANK YOU!