

Palm Beach County

Office of Resilience

PBC Water Resources Task Force

Megan Houston, Director

October 18, 2018



PBC Office of Resilience Mission





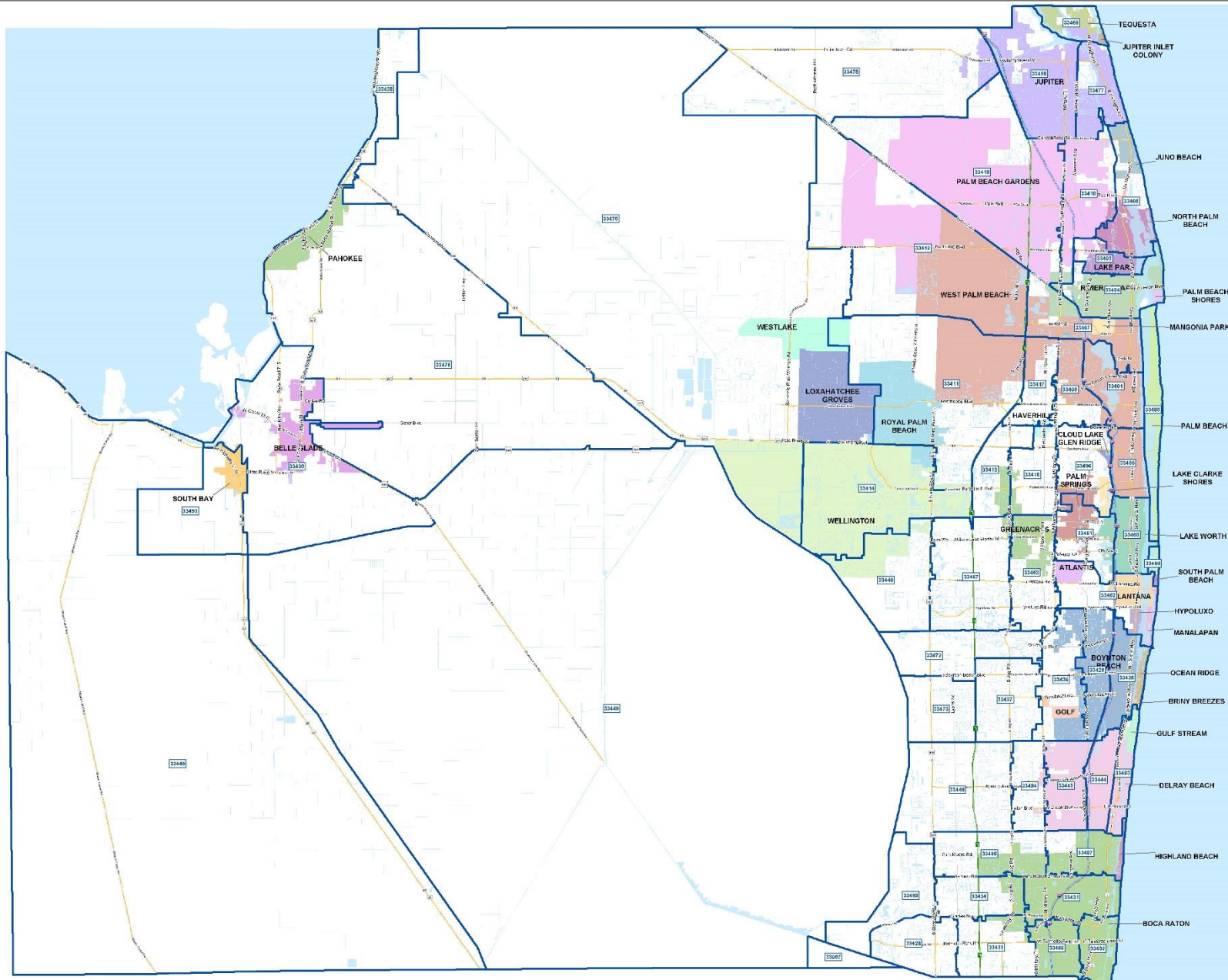
PBC Unique Challenges – Economy



PBC Unique Challenges – Economy



PBC Unique Challenges – Housing Stock



PBC Unique Challenges – Development



“We are the first generation to feel the impact of climate change and the last generation that can do something about it.”

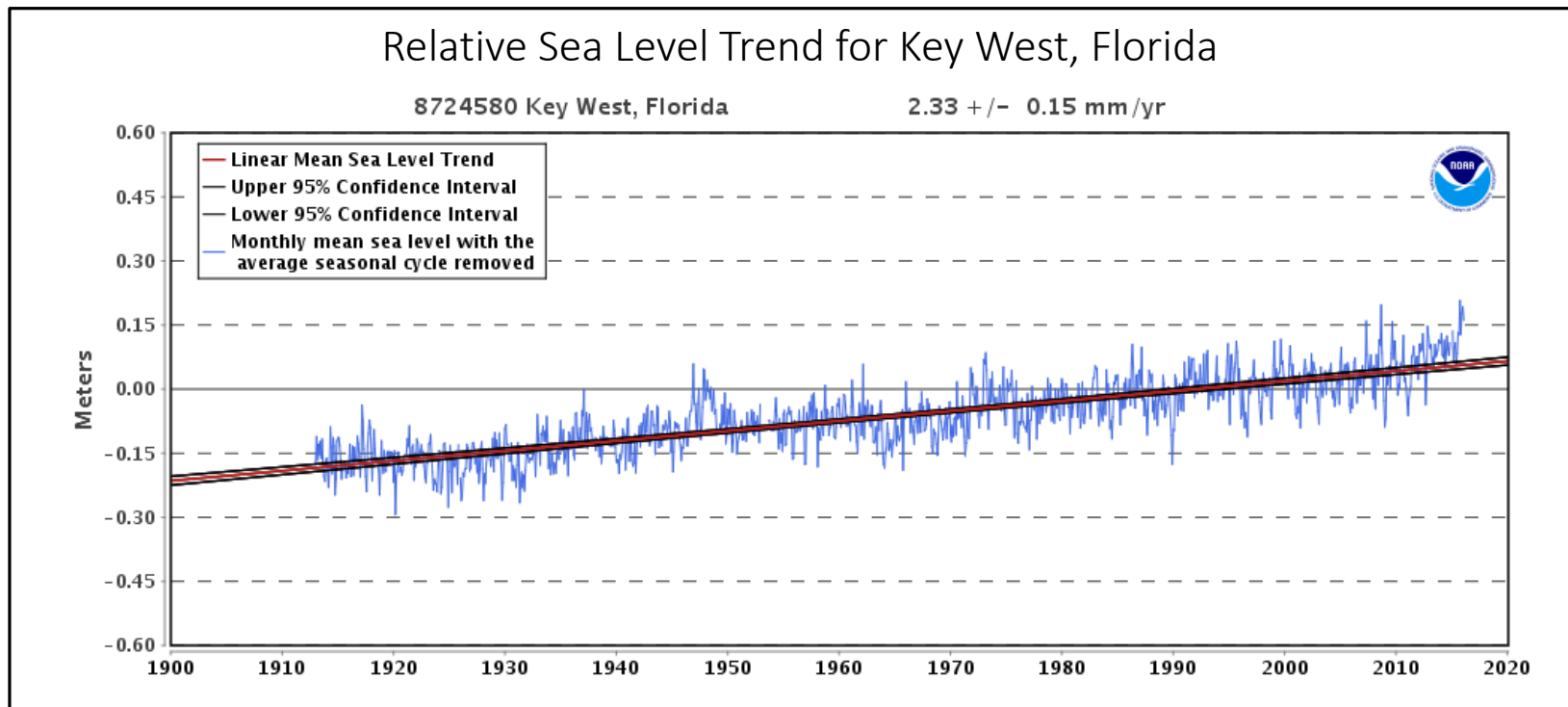
---Governor Jay Inslee (Washington)



“Wake Up, World Leaders. The Alarm Is Deafening.” – NY Times

“[W]e have just 12 years to limit devastating global warming” - Vox

“The World’s Climate Goals Aren’t Ambitious Enough” - Bloomberg



PBC King Tide Flooding Sept. 2015



Bert Winters Park, Juno Beach



Banana Boat, Boynton Beach



Brooks Lane, Delray Beach

Local Adaptation: The impacts are here

Regional Collaboration

SOUTHEAST FLORIDA
REGIONAL COMPACT
CLIMATE CHANGE



Annual Summit



SOUTHEAST
FLORIDA
REGIONAL
CLIMATE
LEADERSHIP
SUMMIT

Celebrating a decade of progress

October 24-25, 2018

Miami Beach Convention Center



Southeast Florida Regional Climate Change Compact

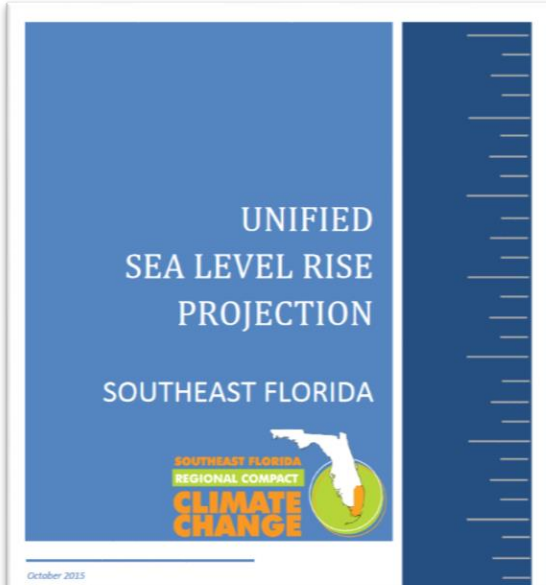


Policy Collaboration



Southeast Florida Regional Climate Change Compact

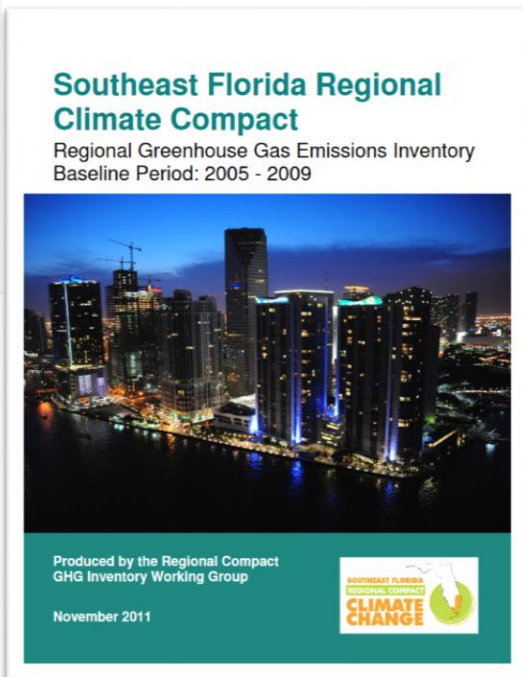
Regional Tools



October 2015
Prepared by
Sea Level Rise

Analysis of the Vulnerability of Southeast Florida to Sea Level Rise

Southeast Florida Regional Climate Change Compact
Inundation Mapping and Vulnerability Assessment
Work Group
August 2012



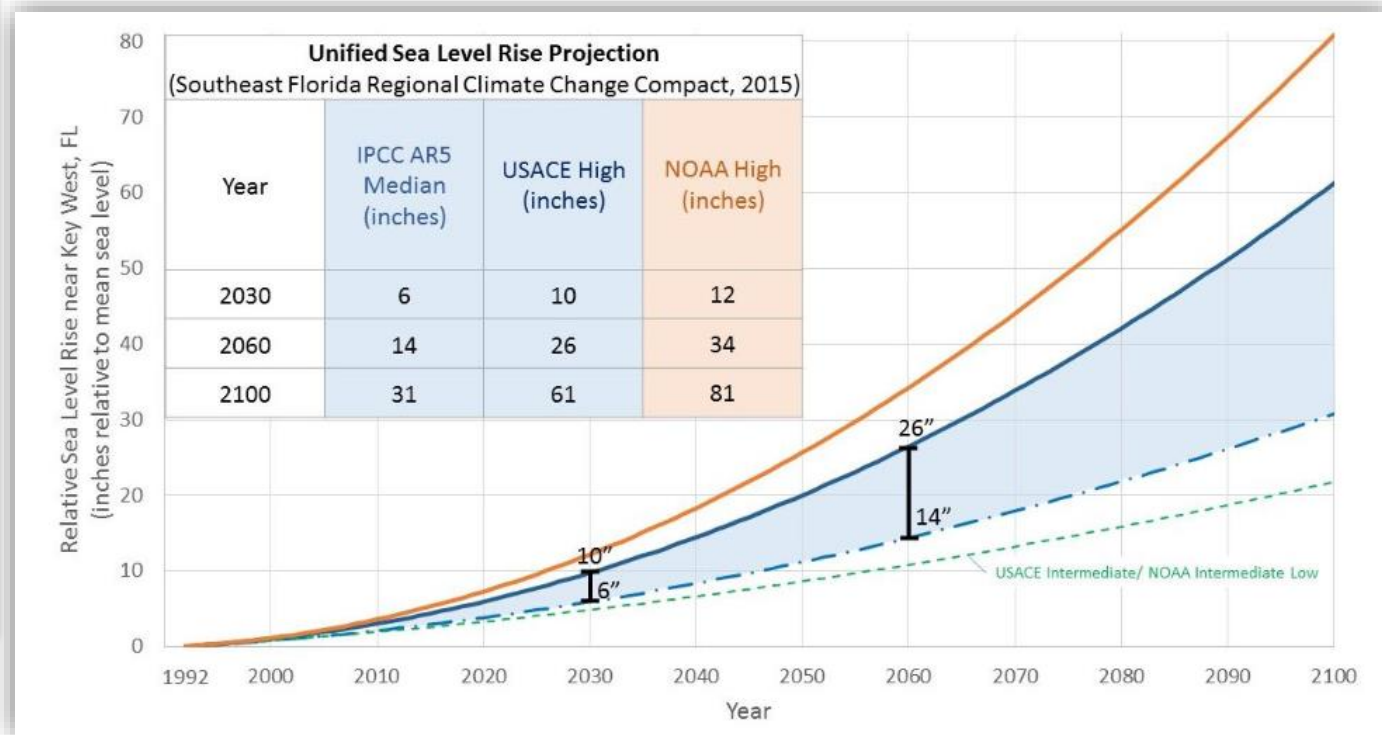
Southeast Florida Regional Climate Compact

Regional Greenhouse Gas Emissions Inventory
Baseline Period: 2005 - 2009



Produced by the Regional Compact
GHG Inventory Working Group

November 2011





Sea Level
Rise



Nuisance
Flooding



Saltwater
Intrusion



Severe
Storms



Public Health /
Heat Index



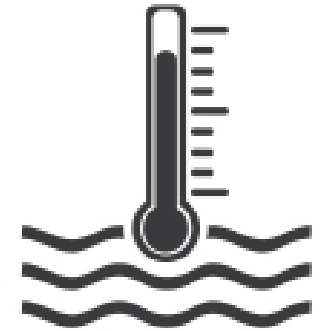
Greenhouse
Gas Emissions



Plant
Hardiness



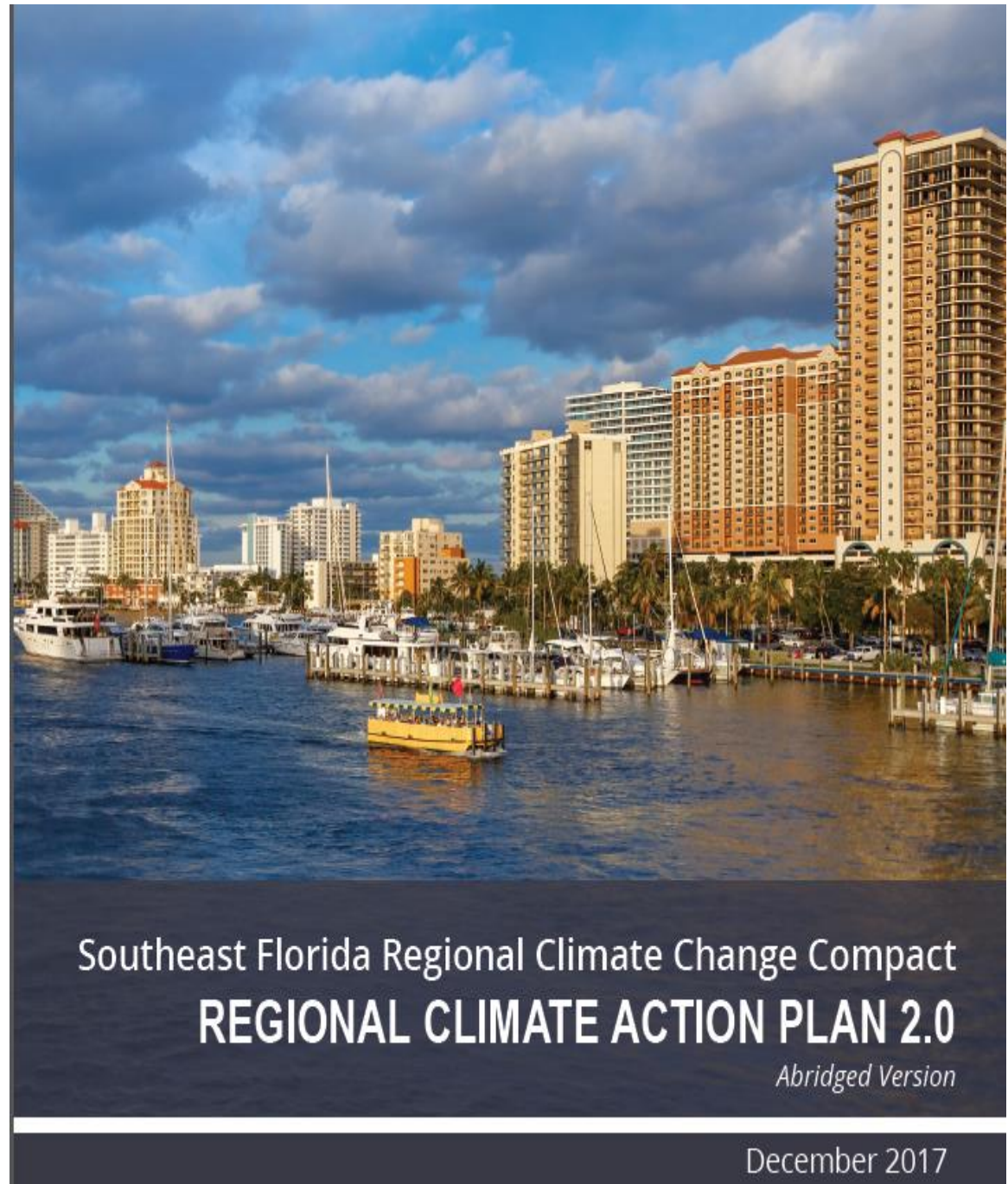
Precipitation
and Drought



Sea Surface
Temp

Regional Climate Action Plan 2.0

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



RCAP – Water



- WS-1 - Foster innovative water management
- WS-2 - Ensure consistency in water resource scenario planning
- WS-3 - Plan for future water supply
- WS-4 - Coordinate saltwater intrusion mapping
- WS-5 - Inventory water and wastewater infrastructure
- WS-6 - Develop a water infrastructure database
- WS-7 - Modernize standards
- WS-8 - Create resilient flood control systems
- WS-9 - Update the regional stormwater rule
- WS-10 - Integrate surface and groundwater impacts in planning

RCAP – Water, continued



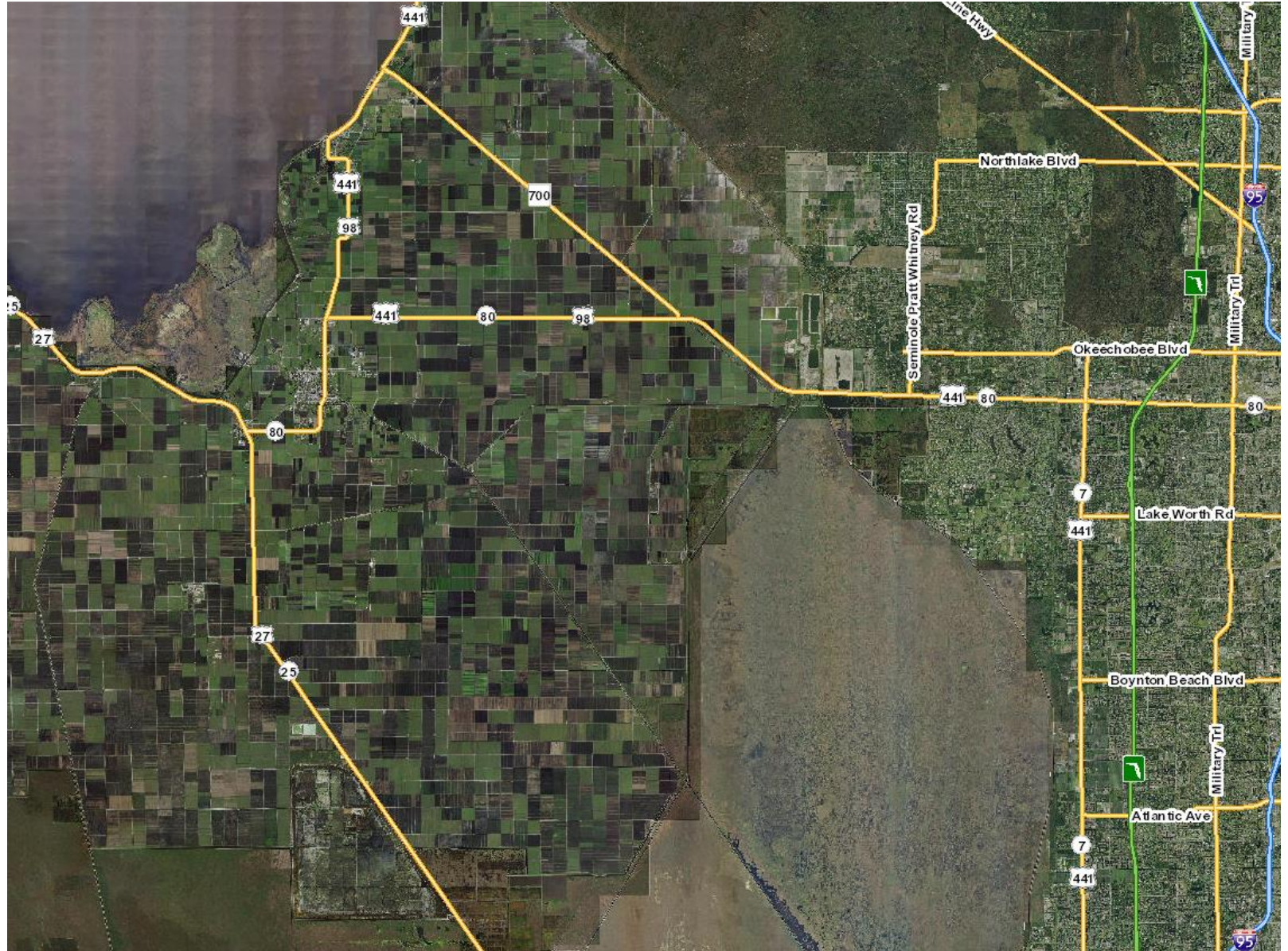
- WS-11 - Encourage green infrastructure
- WS-12 - Integrate hydrologic and hydraulic models
- WS-13 - Practice integrated water management
- WS-14 - Improve stormwater management practices
- WS-15 - Foster water management research
- WS-16 - Expand partnerships and resources for innovation
- WS-17 - Advance capital projects
- WS-18 - Coordinate innovation and funding
- WS-19 - Recognize adaptable infrastructure
- WS-20 - Support the Comprehensive Everglades Restoration Plan
- WS-21 - Expand surface water storage

Palm Beach County Resilience



Comprehensive Plan Amendments

PBC amended its Comprehensive Plan to add addressing climate change to the list of County Directions on 4/28/14.





Capital Projects

Emergency Management

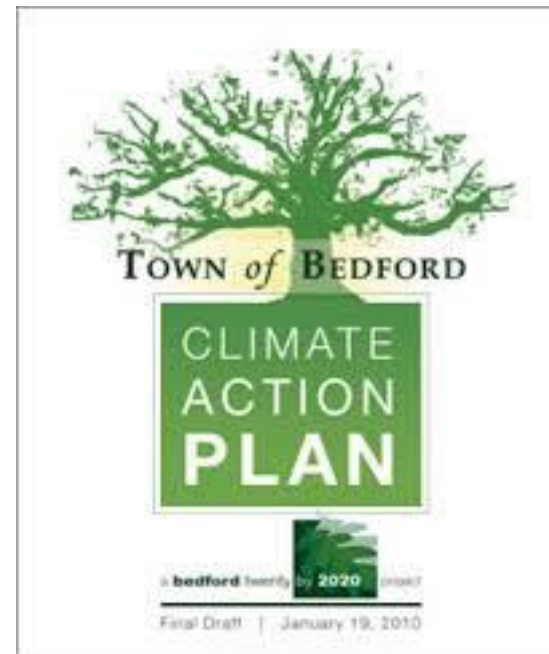
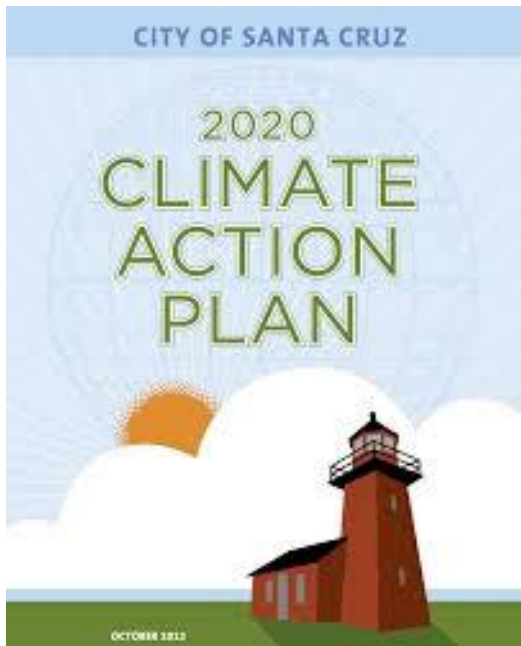
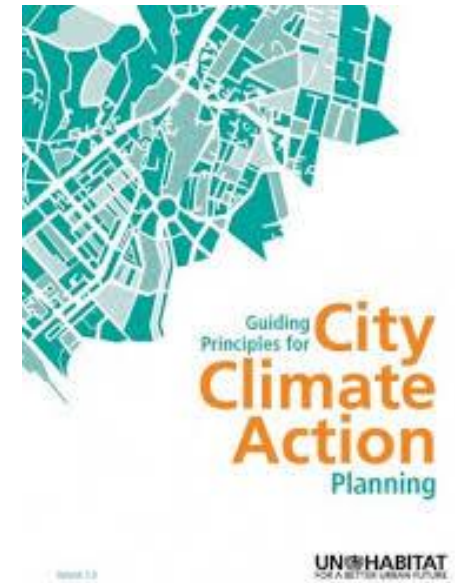
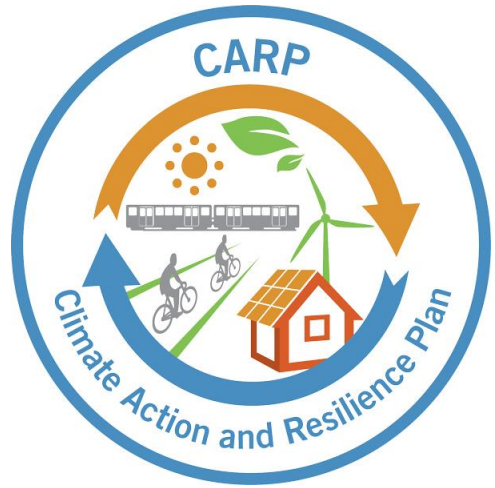
- Post Disaster Redevelopment Plan
- Local Mitigation Strategy



PBC Evacuation Zone Map

Responding to a
CHANGING
CLIMATE





Climate Action Plans



Your Questions and Concerns?

- What's our biggest threat?
- How should we measure success?
- Where should we focus our efforts?
- What groups are essential for providing input?
- Where will we have the biggest impact?





Thank you!

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