Regional Collaboration in Climate Resilience: The Southeast Florida Regional Climate Change Compact

February 24, 2017
TOD Working Group Meeting
The Region of Southeast Florida

- 4 Counties/108 Cities
- Home to 5.8 million residents
- Accounts for 1/3 State GDP
- Dense coastal development
- Flat and low-lying landscape
- Rich coastal resources
Interconnected

- Transportation systems
- Water supply and water management
- Critical habitat and natural systems
- Recreational and commercial fisheries
- Communities and economies
But Lacking Coordination
Southeast Florida Regional Climate Change Compact

- Initiated in October 2009
- Product of 1st Annual Summit
- Response to shared challenges and needs
- Voluntary collaboration
Compact Commitments

Provides for:

- Policy collaboration
- Development of regional tools
- Creation of a Regional Climate Action Plan
- Hosting of annual summits
Technical Resources
Early Organizational Structure

Mayors, Managers and/or Commissions

Compact Staff Steering Committee

Policy Development, Coordination & Advocacy Team

Summit Planning Team

Regional Work Groups
Initial Work Products

All documents available at
http://southeastfloridaclimatecompact.org/
Unified Sea Level Rise Projection

- **Annual Sea Level at Key West**
- **Projected Sea Level Rise Range based on USACE Guidance**
- **Continuation of Historic Sea Level Rise Rate**

**2010**
Sea level = 0

**2030**
3-7 inches

**2060**
9-24 inches
2015 Regional SLR Projection

**Unified Sea Level Rise Projection**
(Southeast Florida Regional Climate Change Compact, 2015)

<table>
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<tr>
<th>Year</th>
<th>IPCC AR5 Median (inches)</th>
<th>USACE High (inches)</th>
<th>NOAA High (inches)</th>
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<td>6</td>
<td>10</td>
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<td>2060</td>
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<td>2100</td>
<td>31</td>
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Graph showing projected sea level rise near Key West, FL, from 1992 to 2100.
The Regional Climate Action Plan

To integrate climate adaptation and mitigation into existing systems, through existing processes.

5 year timeframe

Focal Areas:
- Sustainable Community and Transportation Planning
- Water Supply, Management and Infrastructure
- Risk Reduction and Emergency Management
- Energy and Fuel
- Natural Systems
- Agriculture
- Outreach and Public Policy

>100 Recommendations
Adaptation and Mitigation

Download at www.southeastfloridaclimatecompact.org
Implementation Workshops

**TOPICS**
- Sea Level Rise
- Reducing Risk/Economic Resilience
- Energy Efficient Buildings
- Transportation
- Stormwater
- AAA Legislation and Application
- Water Supply Planning
- Resilient Redesign

**PRODUCTS**
- Guidance Documents
- Technical Tools and Resources
- Model Policy and Comp Plan Language
South Florida Resilient Redesign

- Dania Beach
- Delray Beach
- Hollywood
- Miami-Beach
- Key West
- Miami-Dade

Protective Reef

Naturally Buffered Boulevard

Enhanced and Functional Dunes
Shoreline Resilience Work Group

- Regional Mapping of Features
  - Beach Dune
  - Living Shoreline Features
- Model Projects
- Regional Sand Management
- Field Trips
- Regional Goal Setting

The Nature Conservancy

Southeast Florida Regional Compact Climate Change
Additional Advancements

- Recognition
- $1.5 Million in Grant Funding
- Formalization of Adaptation Action Areas
- Regional adoption of RCAP and SLR projection
- Integration of climate change across planning
- Advancement of progressive efforts
Additional Advancements

- **Resiliency Projects**
  - USACE (Resilience Standards)
  - EPA (Resilient Design)
  - RAND (Decision Support, Economics)
  - Deltares (Netherlands)

- **FY ’16 – Budgeted Compact Support**
  - Centralized staffing
Annual Compact Summits

2014 – Dr. John Holdren
White House Science Advisor

2014 Summit
~600 attendees
Expanded Sectoral Engagement

- Insurance
  - Risk Managers
  - Providers
- Finance
  - Directors
  - Advisors
- Real Estate
- Developers
- Public Administrators
Compact - FCI Partnership

- Applied research
- Sustained collaboration
- Expanded resources/expertise
- External funding
- Student engagement

Florida Climate Institute
Technical Resources
Shared and Sustained Engagement

- FDOT
- SFWMD
- Cities
- FP&L
- Emergency Management
- Planning
- Sheriff’s Office
- Port
- Airport
A Transferrable Model

- KwaZulu-Natal Climate Change Compact (So. Africa)
- Norfolk, Virginia
- League of Cities Regional Compacts Initiatives
- Resilient Utilities Coalition
- Coastal Oceans Task Force/Forum
Next Steps

- RCAP Update 2.0
  - New Focal Areas
- 2017 Climate Summit
  - Action Oriented
- Expanded Engagement
- Formalized Standards
- Regional Projects
Regional collaboration has:

- Stronger Voice/Influence
- Accelerated regional and local planning
- Expanded expertise
- Leveraging of resources
- Enhanced access - resources, information
- Broadened partnerships
- Cultivated cooperation
- Inspired innovation
Lessons from the S. Florida Compact

- Engage a neutral facilitator
- Accept and respect partner differences/mgmt structure
- Address successional issues in advance
- Recognize and have a plan to address limitations of selected structure
- Establish a mechanism for engagement of other partners
- Develop a robust communications strategy
Guidance

- Involve regional stakeholders
- Take advantage of existing resources
- Build upon shared accomplishments
- Share responsibilities
- Seek to equalize
- Remember the larger objective is greater than any one political body
- Stay committed
Questions?

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