

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS

Agenda Item : ____

9:30 A.M.

WORKSHOP SUMMARY

Meeting Date: March 29, 2016

Department: County Administration

I. EXECUTIVE BRIEF

Title: Climate Resilience

Summary: This workshop will provide an overview of the County's involvement in issues surrounding climate change impacts. The staff presentation will include a brief summary of the County's resilience and sustainability efforts within the larger context of Southeast Florida Regional Climate Change Compact (Compact), implementation of the Regional Climate Action Plan (RCAP), and a description of recommended next steps. Countywide (RPB)

Background and Justification: In April 2014, Board of County Commissioners directed staff to provide a scorecard on the implementation of the Compact's RCAP. Additionally, in March 2015, the Climate Change & Sustainability Coordinator position was filled to serve as a resource, catalyst and advocate for the County's climate resilience planning and implementation activities and sustainability efforts. The objective of the County's focus on climate change and sustainability issues is to integrate climate adaptation and mitigation considerations into existing decision-making systems and coordinate and communicate those efforts both internally and externally.

Attachments:

1. Presentation
-

Recommended by: Margie Robinson 3-8-16
Climate Change & Sustainability Coordinator **Date**

Approved by: [Signature] 3-14-16
Deputy County Administrator **Date**

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

| Fiscal Years | 2016 | 2017 | 2018 | 2019 | 2020 |
|--------------------------|-------|-------|-------|-------|-------|
| Capital Expenditures | _____ | _____ | _____ | _____ | _____ |
| Operating Costs | _____ | _____ | _____ | _____ | _____ |
| External Revenues | _____ | _____ | _____ | _____ | _____ |
| Program Income (County) | _____ | _____ | _____ | _____ | _____ |
| In-Kind Match (County) | _____ | _____ | _____ | _____ | _____ |
| NET FISCAL IMPACT | _____ | _____ | _____ | _____ | _____ |

ADDITIONAL FTE POSITIONS (Cumulative) _____

Is Item Included in Current Budget? Yes _____ No X

Budget Account No.: Fund _____ Department _____ Unit _____ Object: _____
 Program _____

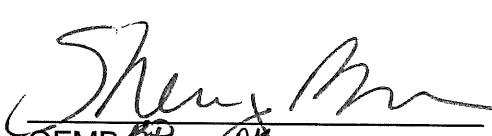
B. Recommended Sources of Funds/Summary of Fiscal Impact:

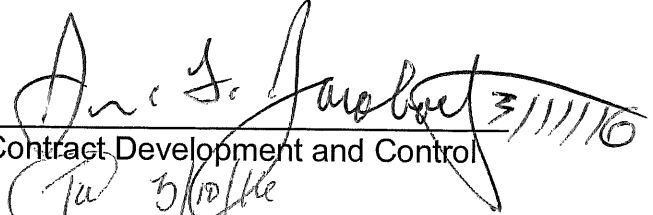
This is a workshop with no requested board action; therefore, there is no fiscal impact associated with this item.

C. Department Fiscal Review:

III. REVIEW COMMENTS

A. OFMB Fiscal and /or Contract Dev. and Control Comments:


 OFMB ^{SP} 3/8 ^{AK} 3/2


 Contract Development and Control 3/11/16
 Tu 3/10/16

B. Legal Sufficiency:



 Assistant County Attorney 3/14/16


C. Other Department Review:

 Department Director

 Department Director

Monitor Plan Implement



 **Palm Beach County**
Responding with Resiliency

Natalie Schneider
Climate Change & Sustainability Coordinator, County Administration

Overview Responding with Resiliency

MISSION
Serve as a resource, catalyst and advocate for the County's climate resilience planning and implementation activities and sustainability efforts. As the County's liaison, collaboratively translate ideas into practical application while communicating those efforts among local, state, and federal agencies, and public and private groups and individuals.

**Southeast Florida Regional Climate Change Compact
Regional Climate Action Plan (RCAP)
A Year in Focus
Looking Ahead – Moving Forward
Discussion**

Southeast Florida Regional Climate Change Compact

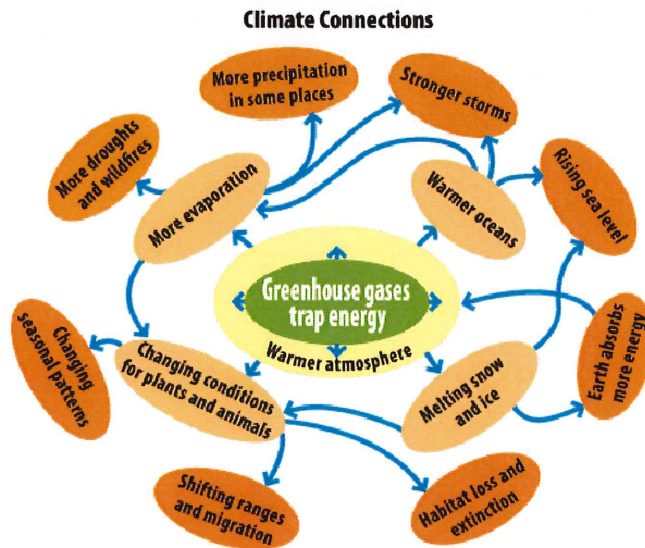
Responding with Resiliency

Organizational Structure
Tools and collaborative partnerships
Public outreach
Deeper municipal engagement
Regional Climate Action Plan (RCAP)



What is going on?

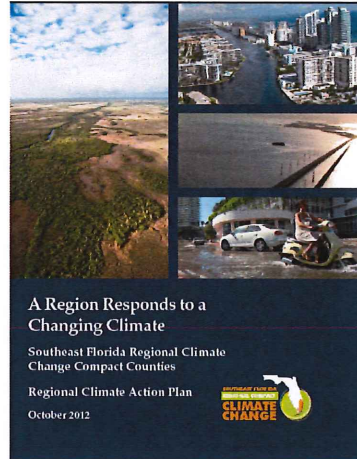
Responding with Resiliency



Regional Climate Action Plan

Responding with Resiliency

- Completed October 2012
- Product of 3-year planning and public process
- Details 110 mitigation & adaptation strategies across 8 planning areas
- Regional effort reflecting contributions of 135+ work group members
- Companion Implementation Guide and subsequent workshops
- **Adopted by Palm Beach County in April 2014 – Commission direction to prepare implementation scorecard**



RCAP in 5

Responding with Resiliency

- A regional approach intended to inform local efforts
- Not prescriptive, does not capture everything
- Majority of recommendations – collaboration through Compact and with other agencies/groups
- Recommended product – County specific Resilience Plan
- Our process should inform the recommendations in the next RCAP

Benefits to the County

Responding with Resiliency

It's more than just being "green"

Adapting and mitigating climate impacts:

- Protects businesses and Palm Beach County's tourism industry
- Protects property values and infrastructure investment
- Informs weather related risk mitigation



RCAP Scorecard

Responding with Resiliency

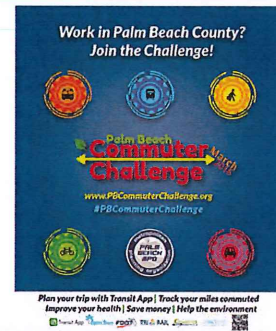
110 Recommendations : 91 Total Actionable Recommendations
80% of actionable items supported by County practices

| RCAP Category | Total | Full/Partial Implementation | Planned Future Action | External |
|--|-----------|-----------------------------|-----------------------|-----------|
| Sustainable Communities & Trans. Planning* | 27 | 17 | 12 | 6 |
| Water Supply, Mgmt & Infrastructure | 13 | 9 | 2 | 7 |
| Natural Systems | 14 | 14 | 1 | 5 |
| Agriculture | 5 | 3 | 0 | 3 |
| Energy and Fuel | 5 | 4 | 0 | 2 |
| Risk Reduction & Emergency Management | 7 | 5 | 4 | 2 |
| Public Outreach | 10 | 10 | 1 | 1 |
| Public Policy | 10 | 10 | 0 | 0 |
| Total | 91 | 72 (80%) | 20 | 26 |

Supportive County Practices

Responding with Resiliency

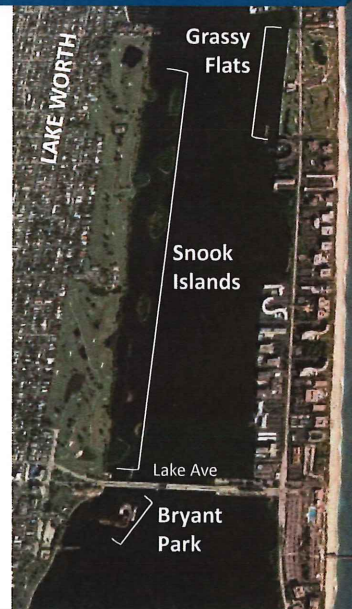
- Complete Streets: MPO, Engineering
- Comprehensive Plan policies: Planning
- Palm Beach Commuter Challenge: MPO
- Signal timing improves flow of vehicles – reduces idling – reduces GHGe: Engineering
- Energy efficiency and diversification of water resources: Water Utilities Department



Supporting County Practices continued

Responding with Resiliency

- Living Shorelines: ERM
- Retrofit of sports field lighting: Park and Recreation
- Energy Committee PPM, energy tracking software: FDO
- Fleets:
 - fixed route bus fleet 40 hybrid electric buses/156 vehicles: Palm Tran
 - Connection 50 propane fueled/241 vehicles: Palm Tran
 - 181 hybrids: FDO
- Outreach and viability of agriculture: Cooperative Extension and ERM
- Emergency Management – updated flood maps, and discussion with CRS and LMS groups, review for fit with PDRP



Building on the County's Sustainable Practices

Responding to a Changing Climate

- Purchasing: Sustainably sourced and recycled paper products
- Multi-Function Device Management Committee
- Updating webpage, workshops, presentations



Year in Focus and Moving Ahead

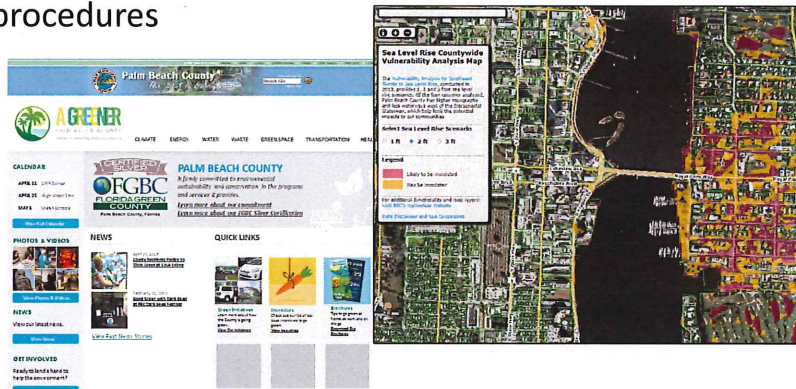
Responding with Resiliency

- Interdepartmental Resiliency Team
- Sustainable Municipalities Work Group
- Continued Public Outreach and Education
- Finalize GHGe Inventory for Palm Beach County
- Complete County vulnerability analysis
- Identification of data needs for potential integrated ground/surface water model
- Climate Economics: Reducing Risk and Building Markets – April 28, 2016
- 8th Annual Climate Leadership Summit – October 5-6, 2016

Recommendations

Responding to a Changing Climate

- Continued support of and commitment to the Compact
- Development and adoption of a County Resilience Plan
- Adoption and integration of a strategic County Resiliency policy into County projects, policies , and procedures



Thank you to the following Departments/Divisions RCAP feedback and implementation

- | | |
|-------------------------------------|------------------------------------|
| Airports | Legislative Affairs |
| Community Services | Library |
| Cooperative Extension Service | Metropolitan Planning Organization |
| Emergency Management | Palm Tran |
| Engineering and Public Works | Parks and Recreation |
| Environmental Resources Management | Planning, Zoning, and Building |
| Facilities Development & Operations | Public Affairs |
| Financial Management & Budget | Purchasing |
| Florida Department of Health, PBC | Risk Management |
| Housing Finance Authority | Water Resources Manager |
| Information System Services | Water Utilities |
| | Youth Services |

Thank You and Discussion