

AGENDA  
Adaptation Working Group Meeting

- 9:00-9:05 Sign in
- 9:05-9:10 Introductory Comments – Jim Scholl
- 9:10-9:20 Presentation of Mission of the Working Group and  
Overview of Climate Change Policy of the City of Key West - Annalise Mannix
- 9:20-9:30 Climate Change in Key West – Andy Devanas, National Weather Service
- 9:30-9:40 Presentation of SFWMD Climate Change White Paper - Tom Genovese, SFWMD
- 9:40- 9:50 Presentation of Terrestrial and Benthic Potential Impacts – Alison Higgins,  
The Nature Conservancy
- 9:50-10:10 Presentation of Adaptation Planning Methods – Chris Bergh,  
The Nature Conservancy
- 10:10-10:15 Leg Stretch Break
- 10:15-10:20 Review of Member Packets and Sub-Committee Goals
- 10:20-10:30 Questions
- 10:30- 10:50 Sub Committee Break-Out
  - Goals
  - Select Chair
  - Select Next Meeting Date and Type (in-person/tele-conference/web meeting)
  - List the needs you have for City staff to provide to committee
- 10:50-11:00 Wrap-up

City of Key West

**ADAPTATION PLANNING**  
Working Group

Annalise Mannix, P.E.

**greenkeywest**



# Climate Action Plan

October, 2009



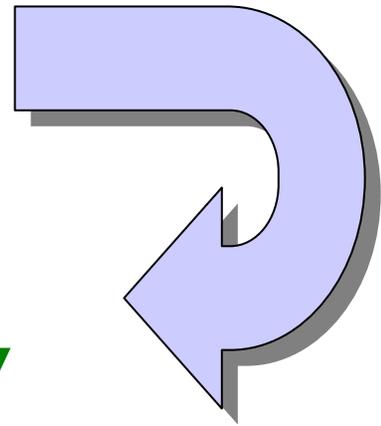


# Goal

Adaptation Plan

Climate Resilient Community

- Takes proactive steps to prepare for Climate Change Impacts



# Governors Action Team on Energy and Climate Change

- Air temperature rise of 2.5 to 10.4 degrees Fahrenheit
- Sea level rise between 4 and 35 inches which could inundate wetlands and low lands
- Precipitation changes
- Tropical cyclone changes
- Decreased freshwater resources
- Increased sea water temperatures affecting fisheries and corals
- Increased ocean acidification affecting shellfish

# Florida Adaption Strategies

- Comprehensive Planning for Resilient Communities
- Protection of ecosystems and biodiversity
- Conduct Research
- FBC modified to resist future loads
- Develop training for professionals
- Public Education and Outreach

# USACE

“incorporating the direct and indirect physical effects of projected future sea-level change in managing, planning, engineering, designing, constructing, operating, and maintaining USACE projects ... Impacts to coastal and estuarine zones caused by sea-level change must be considered in all phases of Civil Works programs.” The new policy requires consideration of three possible scenarios; for projects with a 50 year life being built in 2010 the scenarios are 1.2 feet, 1.5 feet, and 4.9 feet.



# ESTIMATE OF 9" SEA LEVEL RISE CITY OF KEY WEST

# Photos, with no rain, During Extreme High Tide











Cost of not taking action will be more than the cost of taking action