

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



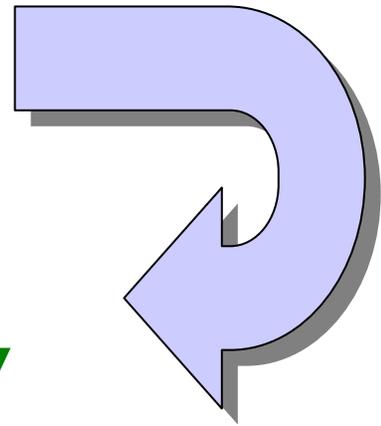


Goal

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