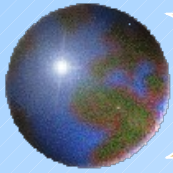


# *Miami-Dade County's Climate Change Adaptation Efforts*

Nichole L. Hefty, Coordinator

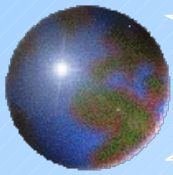
Miami-Dade Climate Change Program

Dept. of Environmental Resources Management

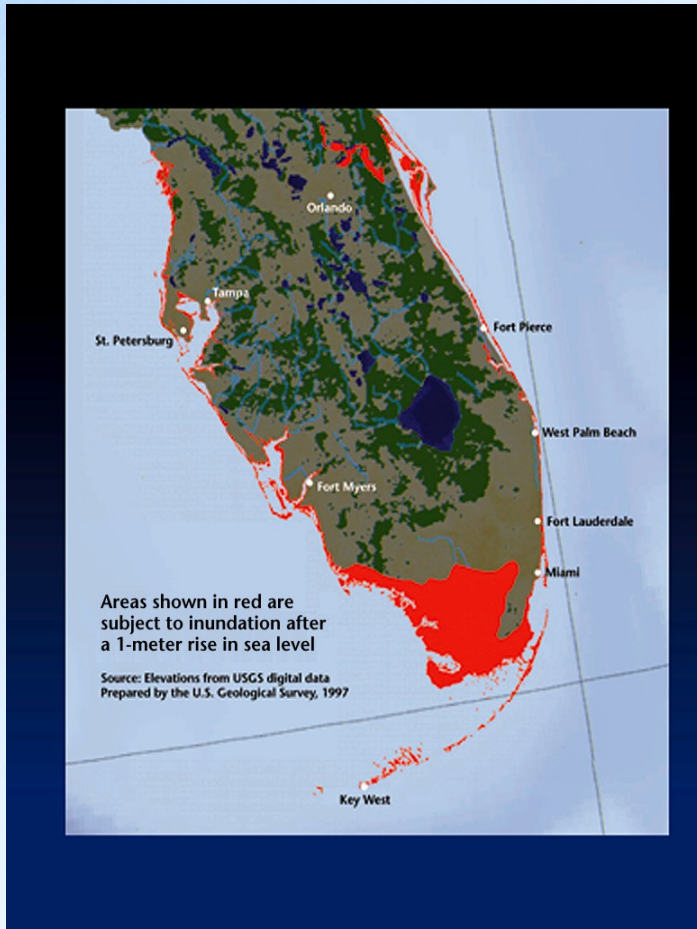


## *A History of Action...*

- ✚ 1991: MDC one of the first 12 local jurisdictions to join ICLEI's Cities for Climate Protection Campaign
- ✚ 1993 – 2005: Implementation of Long Term Urban CO<sub>2</sub> Reduction Plan  
[http://www.miamidade.gov/derm/climate\\_change\\_urban\\_CO2\\_reduction\\_plan.asp](http://www.miamidade.gov/derm/climate_change_urban_CO2_reduction_plan.asp)
- ✚ 2003 – 2005: Climate Change Adaptation Task Force Ad-hoc committee
- ✚ July 2006 - Ordinance # 06-113 established the Climate Change Advisory Task Force (CCATF)



# *Impacts to South Florida*

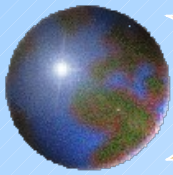


## Obvious

- ⊕ Flooding
- ⊕ Infrastructure Damage/Loss
- ⊕ Beach Erosion
- ⊕ Increased Temperatures
- ⊕ Loss of Coastal Wetlands

## Not So Obvious

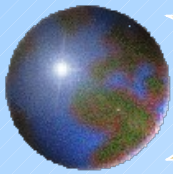
- ⊕ Drinking Water Supply
- ⊕ Loss of Tourism
- ⊕ Agricultural/Fishery Impacts
- ⊕ Health Impacts, Infectious diseases
- ⊕ Impacts to Everglades Restoration



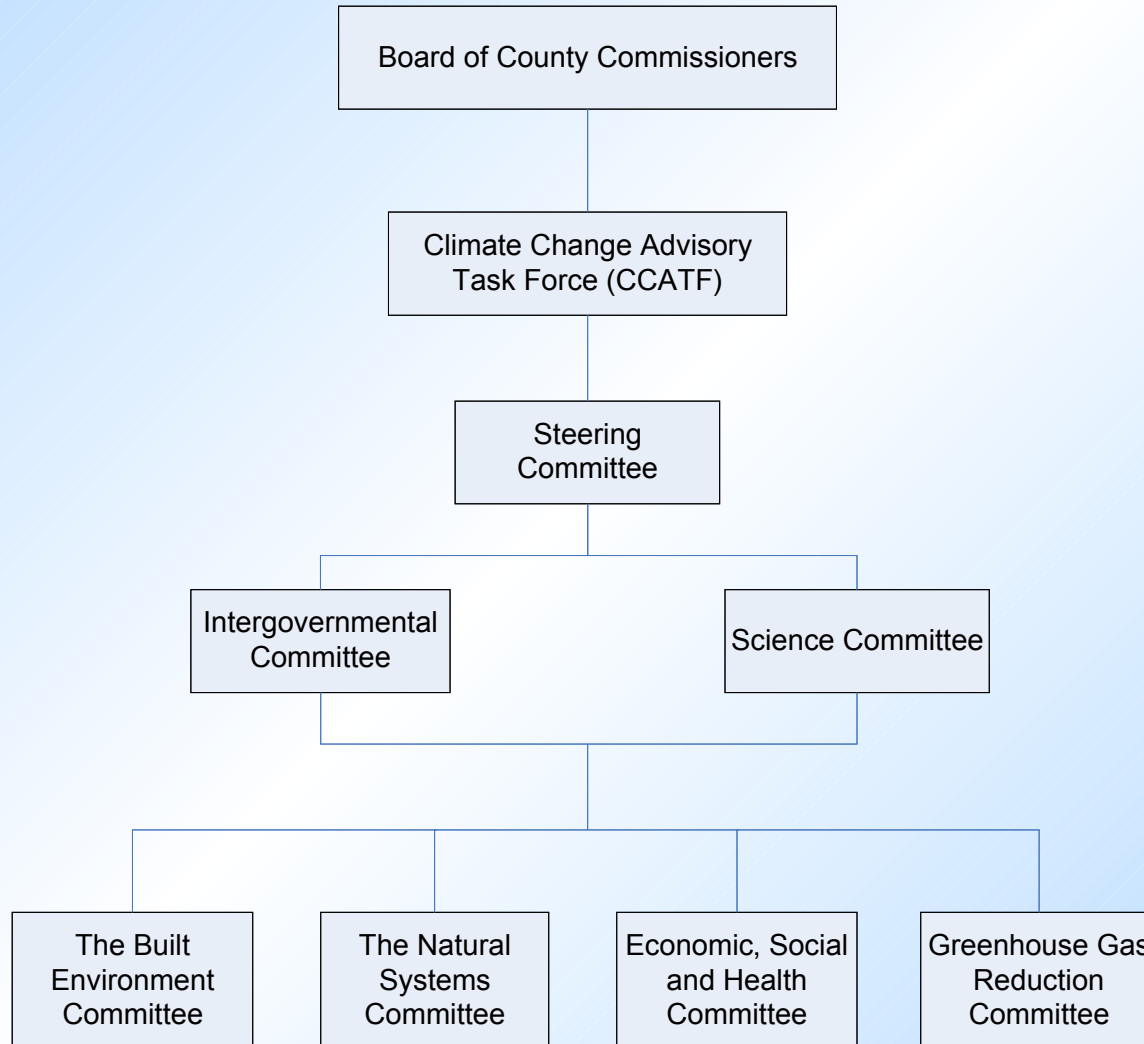
## *Many Good Reasons for Adaptation Planning...*

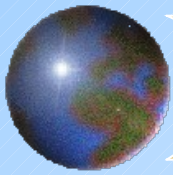
- ✚ It is believed that even if we eliminated all GHG emissions today, we “have already bought decades of climate change impacts.”
- ✚ “With what is happening in the Arctic and Greenland, many respected scientists now see a likely sea level rise of **at least** 1.5 feet in the coming 50 years and a total of **at least** 3-5 feet by the end of the century...” (*“Statement on Sea Level in the Coming Century” - CCATF Science Committee* )
- ✚ Miami is ranked #1 in the list of top 20 cities ranked in terms of assets exposed to coastal flooding in the 2070s. (*“Ranking of the World's Cities Most Exposed to Coastal Flooding Today and in the Future” – Organisation for Economic Co-operation and Development et al.*)





# *Task Force Organizational Chart*





# *CCATF Organizations & Resources*

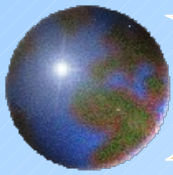
## **☩ Universities**

- ☒ University of Miami
- ☒ Florida Atlantic University
- ☒ Florida International University
- ☒ Rollins College

## **☩ Environmental Organizations**

- ☒ Tropical Audubon Society
- ☒ Urban Environment League of Greater Miami
- ☒ Everglades Defense Council
- ☒ Florida Wildlife Federation





# *CCATF Organizations & Resources*

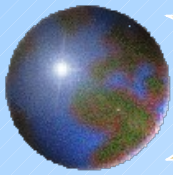
## ⊕ **Regional Organizations**

- ⊞ South Florida Regional Planning Council
- ⊞ South Florida Water Management District
- ⊞ Everglades National Park
- ⊞ Greater Miami Chamber of Commerce
- ⊞ Miami-Dade League of Cities
- ⊞ Nat'l Oceanic & Atmospheric Administration
- ⊞ Utilities (FPL)

## ⊕ **Local Businesses**

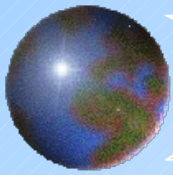
- ⊞ Building & Architectural
- ⊞ Engineering
- ⊞ Law
- ⊞ Agricultural





# *CCATF Department Liaisons*

- ⊕ Public Works
- ⊕ Solid Waste Management
- ⊕ Transit
- ⊕ Parks and Recreation
- ⊕ Ports
- ⊕ Health
- ⊕ Budget
- ⊕ Housing
- ⊕ Emergency Management
- ⊕ Environmental
- ⊕ Planning & Zoning
- ⊕ GSA Fleet & Facilities Management
- ⊕ Water & Sewer
- ⊕ Capital Improvements
- ⊕ M-D Public Schools



# *CCATF Progress*

## ⊕ Meetings

- ⊞ 7 Task Force meetings

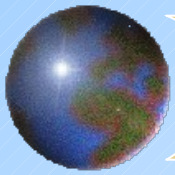
- ⊞ 48 committee meetings

## ⊕ Initial Report, June 2007

## ⊕ Science Committee's Statement on Sea Level Rise (Sept. '07, Revised Jan. '08)

## ⊕ "Second Report and Initial Recommendations" to be presented to the Board of County Commissioners on April 15<sup>th</sup>, 2008

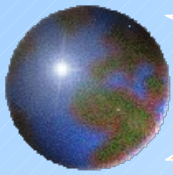




## *Other Recent Accomplishments*

- ✦ Miami-Dade County signed on to be a pilot community for ICLEI's Climate Resilient Communities (CRC) Campaign
- ✦ Mayor of Miami-Dade County Signed US Conference of Mayor's Climate Protection Agreement
- ✦ Miami-Dade County became Chicago Climate Exchange (CCX) Member
- ✦ Office of Sustainability created & Manager hired

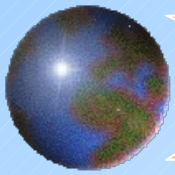




# Challenges

- ⊕ Getting started
- ⊕ Being inclusive without losing functionality
- ⊕ Adherence to Sunshine Law
- ⊕ Sheer volume of information, sources, organizations, and interest

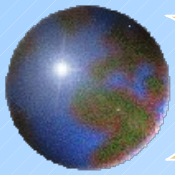




# *Lessons Learned*

- ✚ Information from national/international sources must be carefully reviewed for relevance
- ✚ Good data and benchmarks are key to future decisions
- ✚ Establishing appropriate networks for collaboration are essential at the front end

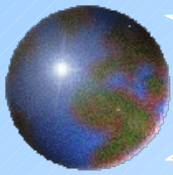




## *Current CCATF Goals*

- ✦ Create a Task Force Web page
- ✦ Develop bold, sound, & proactive Recommendations
- ✦ Provide compelling information to spur bold action by County administration and politicians

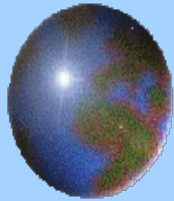




## *Current CCATF Goals*

- ⊕ Help find and obtain funding for implementation of Recommendations
- ⊕ Set an effective and transferable example for others to follow
- ⊕ Work with Governor Crist's Office and FDEP to encourage others to implement Climate Change mitigation and adaptation planning





***Thank You!***

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(305) 372 - 6825