

# Energy & Sustainability Program Updates

Climate Change Task Force

February 18, 2016

Environmental Planning & Community Resilience Division

# Climate Action Plan Approved!

**CLIMATE  
ACTION  
PLAN**

**BROWARD  
COUNTY  
FLORIDA** Local Strategy to Address  
Global Climate Change

- ▶ Unanimously approved!
- ▶ "When people ask what they can do or what Broward County is doing about climate change, the CCAP is something we can hand them," said **Commissioner Furr**.
- ▶ "I'm in favor of building in better climate resilient features, better construction methods, preparing for the worst and hoping for the best. I think we're doing a lot of good work here," said **Commissioner Chip LaMarca**.
- ▶ We have more impact than any other entity on what happens here," added **Commissioner Dale V.C. Holness**





US Army Corps  
of Engineers®

# USACE Planning Assistance for States-Resiliency Standards

- ▶ Development of resilience standards for coastal infrastructure
  - ▶ Seawall heights
- ▶ Storm surge and hydrodynamic modeling, flood analysis, alternative evaluation
- ▶ 18 month study, begins 3/2016
- ▶ Broward County focused



# Climate Toolbox Training for Employees

- ▶ Curriculum
  - ▶ Climate Considerations for South Florida
  - ▶ Agency Relevance
  - ▶ How to apply tools
- ▶ 9 customized trainings for agencies
- ▶ Spring/ Fall classes
- ▶ Feedback on preparedness, needs and adaptive capacity

**HUMAN SERVICES CLIMATE CHANGE TOOLBOX TRAINING**

Broward County Employee Training

Broward County administration recognizes the need for all employees to work together and apply their skills and knowledge to address the environmental challenges faced by our community. Attendees will learn from staff experts in the field on how global climate change translates to local challenges and opportunities, and engage in activities to connect their role and how to apply tools and resources for a resilient future.

**TRAINING DATES AVAILABLE:**  
FEB. 26, 8:30AM-12:00PM  
APRIL 5, 1:00PM-4:30PM

ENROLL THROUGH THE BROWARD LEARNING CENTER ON BC-NET

What's in your toolbox?

Climate Change Toolbox Training for County Employees begins February 2016

**BROWARD COUNTY**  
FLORIDA

# Municipal Adoption of Sea Level Rise Projection

- ▶ Letter to Cities
  - ▶ Example resolution
  
- ▶ So far adopted by
  - ▶ Broward, Monroe, Palm Beach
  - ▶ Ft. Lauderdale, Hallandale
  - ▶ In process: Hollywood, Dania Beach, Miami-Dade
  
- ▶ Basis for SLR adaptation planning

February 5, 2016

Mr. Erdal Donmez  
City Manager  
City of Coral Springs  
9551 West Sample Road  
Coral Springs, Florida 33065

Re: Adoption of the 2015 Update of the Unified Sea Level Rise Projection for Southeast Florida

Resolution No. XX

A RESOLUTION OF THE CITY COMMISSION ADOPTING THE 2015 UPDATE OF THE "UNIFIED REGIONAL SEA LEVEL RISE PROJECTION FOR SOUTHEAST FLORIDA" AS THE BASIS FOR SEA LEVEL RISE ADAPTATION PLANNING ACTIVITIES

WHEREAS, sea level rise in Southeast Florida increases the risk of coastal inundation, compromises the function of drainage and flood control systems, and compounds saltwater intrusion of the Biscayne Aquifer and potable water wells; and

WHEREAS, sea level rise, if unaddressed, increases the risk for flood-related losses and service disruptions with broad socio-economic implications; and

WHEREAS, sea level in Southeast Florida has risen in the past 20 years, including three (3) inches in the last 10 years, and is projected to continue to accelerate with time; and

WHEREAS, a working group of municipal, state, and regional agencies and local universities, through the Southeast Florida Regional Compact ("Compact") authored and

formally adopt the 2015 Update of the Unified Regional Sea Level Rise Projection for Southeast Florida ("Updated Projection") as the basis for sea level rise

represents a major accomplishment of the Southeast Florida Regional Compact ("Compact"), with broad relevance to diverse planning and adaptation activities at the regional and local scales. Through the efforts of the Compact, Broward, Dade, and Palm Beach Counties have worked with municipal partners and many other regional stakeholders to coordinate climate mitigation and adaptation planning. The regional coordination of climate mitigation and adaptation planning activities will further support planning and investment activities that will further enhance community resilience.

A copy of the Updated Projection is attached for your use.

The Compact Group released the initial Unified Sea Level Rise Projection for Southeast Florida in 2012. The release of the Third National Climate Assessment and the Panel on Climate Change, the Work Group—composed of scientists and lead engineers representing the U.S. Army Corps of Engineers, the U.S. Environmental Protection Agency, the South Florida Water Management District, and other federal, state, and local institutions—was reconvened in late 2014 for the purpose of updating the projection.



# Plan It Green



Broward lets visitors trade trees to offset 'carbon footprint' +

**SunSentinel**

An international three-day conference held in an environmentally friendly building with 200 locals, 50 from outside the state and 20 from other countries, and five percent of them vegetarians, would create the carbon dioxide equivalent of 177.2 tons. Suggested payment: \$1,772.

The county is banking on an increasingly enviro-friendly mindset in America, one where companies and event hosts are interesting in holding carbon-neutral, "green" events.

- ▶ Website button ready!
- ▶ Press release
- ▶ Coordination
  - ▶ Convention Center & Visitor's Bureau HELLO SUNNY
  - ▶ Florida Restaurants and Lodging Association

The screenshot shows the 'Plan It Green' website interface. At the top, there's a navigation bar with 'BROWARD.org' and 'Our Best. Nothing Less.' Below that is a green banner with 'Green Meetings' and 'Plan It Green' in a script font. A hand is shown pointing at a tablet displaying a calendar. Below the banner are links for 'calculator', 'Payment', and 'GoGreen'. The main heading is 'Plan It Green - A Local Carbon Offset Program!'. The text explains the purpose of the calculator: 'Green your event! Please join us in neutralizing greenhouse gases and improving local air quality. Your donations will fund the planting of mature carbon-capturing trees locally in Broward County. Use the calculator below to calculate the carbon dioxide and other greenhouse gases generated from your event based on transportation, electricity usage and food production. To calculate, type numbers in boxes on the right or slide bar on ruler to approximate values.' The calculator form includes fields for 'Event Name', '# of Days for Event', '# of Guests from Broward County (local)', '# of Guests from Florida (non-local)', '# of Guests from United States, outside of Florida', and '# of Guests from Other nations, outside of United States'. It also has fields for 'Percentage of attendees staying in hotel', 'How many meals will be provided per person in total?', and 'What percentage of the meals will be vegetarians?'. There are checkboxes for 'Event Site' options: 'LEED Certified', 'Certified Green Lodging', 'Park or Natural Area', and 'Sustainable or Recycled Materials Used'. At the bottom, there are fields for 'Tons of CO<sub>2</sub> equivalent Generated by Event' and 'Suggested Carbon Offset Payment', along with 'Reset' and 'Calculate' buttons.

# Shut IT Down

- ▶ Holiday weekends
- ▶ Email to all employees
- ▶ BCTV, Sun enews
- ▶ County Administrator's newsletter



**WHEN NOT AROUND**

*Small actions make a big difference*

-  TURN OFF COMPUTERS, PRINTERS, MONITORS & OTHER DEVICES
-  TURN OFF THE LIGHTS
-  UNPLUG APPLIANCES (EXCEPT THE REFRIGERATOR)
-  CLOSE WINDOWS & SHADES
-  WATER THE PLANTS
-  TELL YOUR COWORKERS!



**BY TAKING ACTION YOU REDUCE POWER DRAIN!**



Energy & Sustainability Program  
Contact: [EnergySense@Broward.org](mailto:EnergySense@Broward.org)

For more ideas on how to Go Green, visit [Broward.org/GoGreen](http://Broward.org/GoGreen)



# Stand for Sustainability



[https://www.youtube.com/watch?feature=player\\_detailpage&v=4na-K9SdAOM](https://www.youtube.com/watch?feature=player_detailpage&v=4na-K9SdAOM)

# Upcoming Division Events

- ▶ March 9 - NSU Sustainability Series 2.0
- ▶ March 12- Water Matters Day @ Tree Tops Park
- ▶ April 13- Arbor Day/ Earth Day
  - ▶ Outstanding Project Award-  
Florida Urban Forestry Council
- ▶ April 19 - Broward County Earth Day - Employee Education Celebration (GC Lobbies)



TREES  
FOR THE  
PLANET

