

Broward County Climate Change Task Force (CCTF)

Meeting of March 19, 2009

Broward County Government Center West

2nd Floor Hearing Room

1 North University Drive

Plantation, FL 33324

1:30 P.M. – 4:30 P.M.

SUMMARY MINUTES

MEMBERS PRESENT

Brion Blackwelder
Lois Bush
George Cavros
Jill Cohen (alternate for Dylan Larson)
Carolyn Dekle
Michael Garretson
Dr. Patrick Gleason
Barry Heimlich
Dr, Colin Hughes
Tony Hui
Robert Kornahrens
Peg McPherson
Roseann Minnet
Jim Murley
Robert Renken
Major Larry Rogers
Peter Ross
Lynn Shatas
Doug Young
Chair Kristin Jacobs

County Staff

Dr. Jennifer Jurado
Donald Burgess
Natasha Herne
Lorraine Bertone
Patti Webster
Paul Krashefski
Jaclynn Conner

MEMBERS ABSENT

Dylan Larson
Charlotte Mather
John Pisula
Hector Samario
Kim Shugar
Vice Chair Jared E. Moskowitz

- I. Welcome and Statement of Meeting Objective were presented by Broward County Commissioner, Kristin Jacobs, Task Force Chair.
The meeting was called to order at 1:38PM.
- II. Roll Call was made by Jaclynn Conner and a quorum was present.
- III. The minutes of the February 19, 2009 meeting were approved with minor changes made by Dr. John Van Leer.

Chair Kristin Jacobs congratulated Rob Kornahrens on the article in the paper.

- IV. Dr. Jennifer Jurado gave an update on Energy Efficiency and Conservation Block Grant Funding Opportunities for the Broward Climate Change Task Force.
The primary aspects of the update included the following:
 - Proposed funding request in the amount of \$3,075,000 to support the development of strategies/options, assessment and prioritization of options, and implementation
 - Construct and apply a stormwater/flood management model and update a storm surge model (SLOSH) to evaluate the effects of rising sea level on drainage and flood control
 - Provide staff support to the Climate Change Task Force
 - Develop and apply a carbon reduction assessment model
 - Conduct energy audits of all public facilities
 - Perform roof audits for all public facilities
 - Establish an office of sustainability
 - Create and maintain a clearinghouse of best practices employed locally
 - Review and help coordinate energy components of local government comprehensive plans
 - Conduct monitoring of implemented strategies
 - Provide formal reporting
 - Invest in community outreach
 - Invest in energy retrofits

Questions and discussion followed. This presentation is located on www.broward.org/climatechange/tentativemeetingsched.htm

- V. FPL – Energy and Climate Strategy – Rayburn L. Butts, Director of Strategic and Regulatory Planning, Florida Power & Light.
The primary aspects of the presentation included discussion of the following:
 - FPL is one of the largest investor-owned utilities in the nation serving 4.5 million customers
 - FPL owns over 22,000 MW of electric generation

- NextEra Energy Resources has approximately 17,000 MW of generating capacity in 25 states and Canada
- CO2 emissions rate of FPL being one of the lowest of any large electric company in the nation
- FPL Group has one of the nation's cleanest generation portfolios – low profile for greenhouse gas
- Wind portfolio has experienced exponential growth
- The Solar Electric Generating System (SEGS) is the world's largest solar power plant
- FPL will build three solar-energy-producing projects in Florida totaling 110 megawatts
- FPL Group operates the third largest nuclear fleet in the nation with new nuclear generation expected to be key to meeting the challenge of greenhouse gas emissions
- Carbon technologies must evolve to meet aggressive targets
- The future home – photovoltaic panels, Energy Star appliances, CFL lighting
- New climate change proposals are expected in the 111th Congress
- FPL agrees that we need a greenhouse gas policy – it is very expensive – can we afford not to do it?
- Blueprint for legislative action – 15% improvement by 2020 in generation efficiency

Questions and discussion followed. This presentation is located on www.broward.org/climatechange/tentativemeetingsched.htm

City of Gainesville Feed-in Tariff Program – Ed Regan, Gainesville Regional Utility, Asst. General Manager Strategic Planning, Gainesville Regional Utility. The presentation included general discussion of how the City's Feed-in Tariff Program has been constructed and implemented with specific focus on the following:

- Economic development opportunities
- Realized conservation
- Cost of the program - 32 cents for a kilowatt hour
- A tool for low carbon generation
- Strategies for successful implementation. Commitment is key - has to be a priority

For more information, go to <http://www.gru.com>

Questions and discussion followed.

Rob Kornahrens, Chair of the Renewable and Alternative Energy Subcommittee, stated there is a great opportunity before us with the funding and that he would like to make two motions. One is that Broward County would eliminate permit fees for renewable energy and alternative fuels by State Statute and make recommendations to the County and all building code officials and the League of Cities and sunset the act in the year 2015. Chair Kristin Jacobs stated that they need direction and it is difficult for her to sponsor something before the County Commission

without all the answers, so with this group's support, we can take a vote to go forward at the next meeting which will be in May. Nancy will help with this.

The second motion is to do a two year pilot program to train a set of students in solar technology, permitting, engineering and installation with the final exam being an actual solar installation. This would benefit the County because young people would actually be doing the work.

Chair Kristin Jacobs said that a group out of Baltimore, Be More Green, is currently doing this. It is creating jobs. This item needs to be brought back at the May meeting. Chair Kristen Jacobs asked if everyone supported this.

Chair Kristin Jacobs stated that Work Force One is looking for opportunities.

Chair Kristin Jacobs reminded the Task Force that Sunshine rules do not allow members to e-mail each other.

April 10 at 10:00AM is the next Renewable and Alternative Energy Subcommittee meeting.

Subcommittee Proposed Primary Issues: Discussion and Feedback was presented by the Subcommittee Chairs.

a. Property and Infrastructure/Built Environment - Jim Murley

The primary aspects of the presentation included discussion of the following:

- Infrastructure
- Planning and Zoning (Process and Implementation)
- Water
- Building Envelope (Structural)
- Insurance
- Emergency management
- Governor's Action Team Report

April 15 is the next subcommittee meeting.

Questions and discussion followed. This presentation is located on www.broward.org/climatechange/tentativemeetingsched.htm

b. Economic, Social and Health Issues – Peter Ross

The primary aspects of the presentation included discussion of the following:

- Economic impacts of climate change scenarios
- Health and social impacts
- Recommendations
- GIS capabilities

- LiDAR and how it is used
- Impact on real estate values/tax base
- Impact on tourism
- Public infrastructure loss
- Impact on food prices
- Insurance cost and availability
- Adaption measures and costs
- Emergency response and recovery costs – more hurricanes
- Tropical diseases - heat related health problems
- Greenhouse gas reduction measures
- Committee discussion
- Sensitive to public response
- Developing and marketing opportunities for energy efficient products and services

Victoria Morrow delivered a presentation on LiDAR. The primary aspects of the presentation included discussion of the following:

- How much is sea level going to rise – it can be very high in one area and very low in another area
- Overlay GIS data sets to assess impacts – can overlay many different types of available information – streets, canals, parcels, jurisdictions, etc.
- What is LiDAR – Light Detection and Ranging (a laser rangefinder)
- Broward data was accepted on February 13, 2009
- LiDAR is done in three layers
 - Bare earth LiDAR Mass points – 4 foot resolution
 - 2 foot contours
 - 1 foot contours

The presentation is located on www.broward.org/climatechange/tentativemeetingsched.htm

c. Intergovernmental Affairs and Communications – Carolyn Dekle

The primary aspects of the presentation included discussion of the following:

- Subcommittee has met twice
- Survey is being done in conjunction with the League of Cities to get information on energy efficient lighting, water, conservation issues, etc.
- Emergency preparedness - evacuation issues - storm surge
- Educate people on the climate change issues
- Currently there are important bills in Tallahassee – how to bring the information to a local level
- Want to make sure that this subcommittee is serving this task force well
- E- mail staff with any recommendations for the matrix that was disbursed

Questions and discussion followed.

d. Natural Systems Adaption – Kim Shugar (Donald Burgess presented)

The primary aspects of the presentation included discussion of the following:

- Subcommittee has met two times
- Mission statement was developed and presented
- Support Everglades Restoration Program (CERP) and other regional restoration initiatives
- Determine environmental resources/natural systems that can be saved and evaluate strategies to make landscapes more hospitable for adaptations
- Values of natural systems (includes land and marine)
- Exotic and nuisance species management
- Review current storm water management practices as it relates to impacts on natural systems
- Develop a “Vital Signs” monitoring program following model of the National Park Service
- Long Term Data to track changes and provide information to make decisions as climate change progresses
- Invasive plants and animals
- Anticipated changes in land cover

Questions and discussion followed. The presentation is located on

www.broward.org/climatechange/tentativemeetingsched.htm

VI. Jim Murley, Chair of the FECC, gave an update on the Florida Energy and Climate Commission. The primary aspects of the update included the following:

- On March 20 at 10:00AM – 4:00PM, a rules hearing will be held for distributing funds
- There are four rules for distributing the funds – renewable energy technology and energy efficiency, bio-energy and solar energy, investment tax credit and Florida Green Government Grant Program which is a brand new program
- 13.8 billion dollars in the stimulus package
- Website is www.myflorida.com

Questions and discussion followed.

VII. Other Business

Doug Young stated that there will be an Audubon meeting on March 19 at 7:30PM.

Chair Kristin Jacobs stated that there is a state bill regarding electric cars - House Bill 0879 – financial incentive for electric vehicles. This is a very worthwhile bill. Chair Kristin Jacobs asked for a motion from this Board to support this bill. Motion passed unanimously.

Earth Hour is Saturday, March 28 from 8:30PM – 9:30PM. Turn off all non-essential lights for one hour. We need to participate. Chair Kristin Jacobs stated that you should take a picture before and after and forward to the County for posting.

- VIII. Next month's meeting on April 16, 2009 will be a field trip to Eco-Centre in Lake Worth. We will meet at the Government Center West at 12:45PM and the bus will be leaving at 1:00PM. The tour is at 2:00PM and the bus will be returning at 3:30PM and will arrive at the Government Center West at 4:30PM.

Chair Kristin Jacobs stated that if you get an idea, don't respond back to the committee members. We are under the Sunshine Law and you must respond back to staff.

- IX. The meeting adjourned at 4:30PM.

DRAFT