

# **Renewable and Alternative Energy Subcommittee Proposed Goals and Actions**

September 17, 2009

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## FOCAL AREAS

- Energy Policy
- Biomass
- Solar
- Wind
- Geothermal
- Ocean



## **FOCAL AREA – Energy Policy**

**GOAL:** Broward County shall support the expansion of renewable and alternative energy sources.

### **Action: Renewable Energy Portfolio Standard (RPS)**

Broward County shall support state legislation which is consistent with the 2008 Florida Energy and Climate Change Action Plan to establish a 20% renewable portfolio standard for 2020

Additional Discussion: “Carve out” a certain percentage of RPS for distributive and solar energy as “Renewable Distributive”



## **FOCAL AREA – Energy Policy**

### **Action: Legislative tax exemptions**

Review consequences and consider lobbying to reverse HB697 to effectively re-instate alternative energy incentive of a tax credit including the exemption of the cost of home improvement



## FOCAL AREA – Energy Policy

### **Action: Funding for Renewable Energy Projects**

Broward County shall create clean energy offset revenue by having a volunteer check box on property tax bill, car registration, or other billing instrument to pay for specific clean energy programs .



## **FOCAL AREA -- Biomass**

**GOAL:** Broward County shall establish policies and administrative actions that reduce the disposal of municipal solid waste (MSW) in landfills and promotes full utilization of existing infrastructure for waste-to-energy conversion.

### **Action: Expand Waste to Energy Plant Intake**

Broward County shall work cooperatively to enter into interlocal agreements with five remaining cities to redirect up to an estimated 270,000 tons of municipal solid waste from landfills to local waste-to-energy plants, achieving 90% biomass conversion of MSW by 2012.



## **FOCAL AREA -- Biomass**

### **Action: Explore Landfill Gas to Energy**

Broward County shall require landfills to evaluate the cost effectiveness of landfill gas to energy.

Additional Discussion: Set performance metrics.



## **FOCAL AREA -- Solar**

**GOAL:** Broward County shall promote and support actions to increase the proportion of electricity generated by solar power from residential, commercial & municipal properties within Broward County's geographic boundaries.

### **Action: Permitting Incentives for Solar Installation**

Broward County Building Code Services shall develop an incentive program by June 2010 which waives permit fees for renewable and alternative energy installations through 2015.





## **FOCAL AREA -- Solar**

### **Action: Projects to include in grant funding requests**

Broward County shall use available federal funding from the United States Department of Energy: Energy Efficiency and Conservation Block Grants to support curriculum development for a two year pilot program to train students in installation of photovoltaic and thermal solar technology, permitting and engineering, with the final exam being an actual solar installation .



## FOCAL AREA -- Solar

### **Action: Maximize incentive use in Broward County**

Broward County shall develop and implement an incentive awareness program to educate residents and commercial property owners on local, utility, state and federal incentives.



## FOCAL AREA -- Solar

### **Action: Evaluate Bond Funded Renewable Finance District**

Broward County shall evaluate development of a bond funded program that enables homeowners to pay back the cost of renewable power systems through a voluntary special assessment.



## FOCAL AREA -- Wind

**GOAL:** Broward County shall support actions to determine feasibility of generation of electricity by wind in coastal areas.

**Actions:** Open a request for statements of interest (SOI) on development of offshore wind installations.



## **FOCAL AREA -- Wind**

Actions: Broward County shall evaluate whether permitting barriers are in place that might inhibit development of onshore wind installations.



## FOCAL AREA -- Geothermal

**GOAL:** Broward County shall assess whether geothermal resources in the area are worth further investigation.

**Actions:** Set a timeframe for the evaluation.



## **FOCAL AREA – Ocean Technologies**

**GOAL:** Broward County shall lead a regional pursuit to serve as a national center for ocean energy technology.

**Actions:** Support the Center for Ocean Energy Technology in pursuit of US DOE National Laboratory accreditation.

**Additional Discussion:** Identify specific actions to be taken in support of the COET.

