

Florida’s Energy & Climate Plan

Presentation to
Jacksonville’s U.S. Green Building Council
September, 2008

Todd L Sack, MD
Borland-Groover Clinic,
Jacksonville, FL
tsack@bgclinic.com
Chairman, Environment & Health Section
Florida Medical Association

Energy & Climate Timeline

- 1990: I.P.C.C. First Assessment
- Nov 05: Gov. Bush’s D.E.P. Florida Climate Change “White Paper”
- Jan 07: Century Commission Report
- Feb 07-Jan 08: Florida Energy Commission meetings

Climate Timeline, continued

- June 07: Florida Energy Act *vetoed*
- July 07: Gov.Crist’s Executive Orders
- Aug 07: Climate Action Team met
- Dec 07: Energy Commission report
- June 08: Gov.Crist signs HB 7135

Executive Orders: July 2007

- 07-126: “Leadership by Example”
- 07-127: “Immediate Actions to Reduce Florida GHG Emissions”
- 07-128: “Governor’s Action Team on Energy & Climate Change”

Florida Energy Commission

- Appointed by Senate & House
- 10 meetings in 2007, plus 4 Advisory Groups: Climate Change; Energy Supply & Delivery; Renewable Energy; Efficiency & Conservation
- www.floridaenergycommission.gov
- Final Report was December 2007

2008 “Florida Will Never Be the Same” Act

- HB #7135, 237 pages, 118 Sections
- “Florida Energy Conservation & Sustainable Buildings Act”
- “Florida Climate Protection Act”
- “FL Green Governments Grants Act”
- “FL Renewable Fuel Standards Act”
- “Guaranteed Energy, Water & Wastewater Performance Savings Contracting Act”

2008 “U. S. Green Building Council Full Employment” Act

Florida Energy and Climate Commission

- 9 members, housed in Executive Office
- “to advocate for energy & climate issues”
- Information gathering & reporting on energy resources & climate
- Consumer information
- Research clearinghouse
- Administer Renewable Energy (FREEET), Solar, and Green Government grants

Florida Energy and Climate Commission, continued

- Administer Coastal Energy Impact Program
- Petroleum planning, fuel emergency planning, required reporting
- Coordinate any Federal energy grants
- Energy scenarios for 5, 10, 20 years
- Annual Energy & Climate Action Plan

“Lead by Example” State actions

- Energy management coordinators
- Tele-commuting plans for each agency
- “Climate Friendly Preferred Products List”
- HOV lanes for hybrids
- Energy Star appliances for State buildings
- Green Governments Grants Act
- LEEDS for all state and local buildings

“Florida Energy Conservation & Sustainable Buildings Act”

- New State buildings will use standards of: LEEDS, Green Building Initiative’s Green Globes, FL Green Building Coalition, or any “nationally recognized” standards approved by D.E.P.
- Creates “sustainable building” ratings
- Energy efficiency standards for ALL new government buildings
- Encourages performance contracting

Buildings and Appliances

- Improves building energy efficiency by 50% from 2004 to 2019
- Adopts International Energy Conservation Code
- Improves appliances & pools efficiencies
- Requires energy efficiency labeling of products
- Low-Income Home Energy Assistance & Weatherization Program
- Prohibits deed restrictions for Renewable Energy (solar panels, white roofs, etc.)

2008 “FL Climate Protection Act”

- Cap-and-Trade “market-based emissions-abatement program”
- Recording and reporting methodologies
- State & County comprehensive plans to add energy & climate elements
- 10% renewable fuel standard by 2011
- Renewable fuel “lifecycle analysis”

HB 08-7135:

“Florida Climate Protection Act”

- Definition of Renewable Energy (R.E.)
- Electricity “Efficiency & Renewable Portfolio Standard” of 20%
- R.E. property tax exemptions
- Biofuels incentives: sales tax exemptions, investment & production tax credits

Reorganization of Utilities

- Net metering by Jan 1, 2009
- Requires goals for “demand side management”
- Rules exemptions for 75 megawatt plants
- PSC to study of “revenue decoupling”
- “Cost recovery” for utilities building nuclear, solar or renewable power plants
- Procedures for power plants & power lines, easements, sale of State lands

HB 08-7135: continued

- Creates the “Energy Systems Consortium” to guide research
- Technologies Grant Program (FREEET)
- Green Governments Grant Program
- Study of woody biomass resources
- Recycling goals: 75% reduction solid waste from 2007 levels by 2020
- Methane capture from landfills and wastewater treatment facilities

“Florida Climate Protection Act”
(HB 08-7135): Conclusions

- “Florida Government is now fully engaged in the issues of energy use and climate change.”
- Adopts broad energy efficiency and climate change goals.
- Invests in renewable energy resources
- Creates “Lead by Example” State actions
- Adopts strong building & appliance standards
- Emphasizes research, education & investment

*“Thank you for your
concern for the health of
Floridians and of our
natural environment !”*

Florida’s Energy & Climate Plan

Presentation to
Jacksonville’s U.S. Green Building Council
September, 2008

Todd L Sack, MD
Borland-Groover Clinic
Jacksonville, FL
tsack@bgclinic.com
Chairman, Environment & Health Section
Florida Medical Association