

# Nuclear Power in Florida



State of Florida  
Department Of Environmental Protection  
Mimi Drew, Deputy Secretary

# Three Nuclear Power Plants in Florida



# Current Role Of Nuclear Power In Florida

**Electricity Market In Florida – Percent Generated By Fuel**

Year	Coal	Natural Gas	Hydro	Nuclear	Other
2005	29	32	<1	12	27
2004	29	36	<1	15	21
2003	31	32	<1	15	22
2002	30	32	<1	17	21

*(Source: Form EIA-860, "Annual Electric Generator Report" and  
"Florida Energy Overview", July 2007)*

# New Projects - Under Review/Planned

- Crystal River Unit 3 Uprate
- Turkey Point Units 3 & 4 Uprates
- St. Lucie Units 1 & 2 Uprates
- Levy County New Units 1 & 2
- Turkey Point New Units 6 & 7

# 2007 Development

## Governor Charlie Crist's Executive Orders

July 13, 2007

- Establishes Greenhouse Gas Emission Reduction Targets
- Requires Diversification of Florida Utilities' Renewable Energy Portfolios (Renewable Portfolio Standard)

# Nuclear Necessity

- Florida must meet the growing electrical needs of the state while simultaneously lowering green house gas emissions.
- At this pace, Florida will need approximately 13,000 – 15,000 MWs capacity in the next 10 years to keep the lights on.
- Renewable energy resources are currently being expanded, however still in their infancy.
- Nuclear power will play a vital role in bridging the gap between available renewable resources and anticipated electrical demand.

# Process Improvements

- Florida has already taken steps to ease the transition to new nuclear power.
- 2006 Florida Energy Act:
  - Accelerated the state power plant licensing process;
  - Included statutory deadlines for approvals for both the state's need determination and the power plant licensing processes; and
  - Provided for advanced cost recovery for nuclear units with annual prudency reviews.

## Recommendations/Comments

- Reduce (if not eliminate) duplicative efforts required by the NRC Environmental Impact Statement (EIS).
  - Florida Power Plant Siting Act requirements
  - Issuance of other delegated federal permits
  - Florida Transmission Line Siting Act requirements
  - Florida Public Service Commission Need Determination



# Recommendations/Comments

- More efficient contracting
- Better communication
  - Reach out to stakeholders.
  - More training on NRC process.

# Contact Information

Mimi Drew

Deputy Secretary, Regulatory Programs & Energy

Florida Department of Environmental Protection

Phone: (850) 245-2036

Email: [mimi.drew@dep.state.fl.us](mailto:mimi.drew@dep.state.fl.us)

