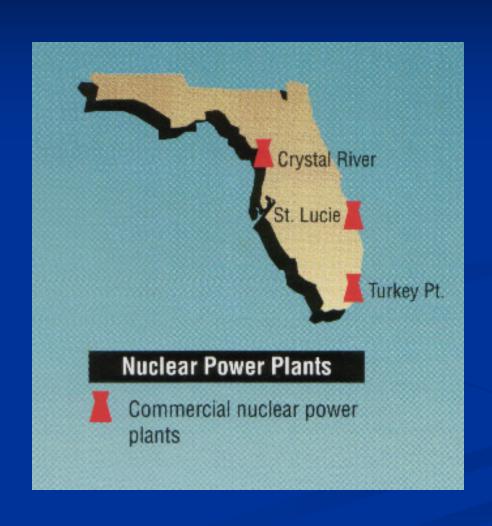
# Nuclear Power in Florida



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**

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