Safety Information

**Constructed to withstand hurricanes, protected from flooding:** The plant is designed to withstand hurricanes and other natural events stronger than ever recorded in the region. The plant is elevated 20 feet above sea level to protect against flooding and extreme storm surges. The plant successfully withstood the back-to-back impact of Hurricanes Frances and Jeanne in 2004.

**Designed with multiple safety systems:** Redundant safety systems include:
- Four diesel generators that are protected by a concrete and steel-reinforced building
- Additional reactor cooling system powered by steam generated by the plant itself
- Back-up batteries for critical safety systems are stored on-site
- External cooling options (i.e. injection and fire pumps) are pre-staged on-site; can use ocean water for cooling

**Seven-day power supply:** Safety and cooling systems can be powered for seven days without requiring any offsite power or additional fuel.

**Highly trained plant operators:** For one full week out of every six weeks, plant operators must prove their ability to safely operate the plant in a variety of worst-case scenarios that include earthquakes, severe storms, flooding, loss-of-power and loss of reactor core cooling.

**Committed to protecting wildlife:** There are about 180 species of birds and animals that inhabit the St. Lucie Plant property in our wildlife preserve. Of these, 36 are endangered or threatened.

Sea turtles return annually to nest on isolated plant beaches. We are committed to:
- Protecting sea turtles and assisting research institutions in data collection
- Providing nesting surveys (since 1971) on 21 miles of adjacent beach property
- Conducting turtle walks for the public during the summer to observe nesting sea turtles

System Information

<table>
<thead>
<tr>
<th>PRIMARY SYSTEM</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Reactor Type</strong></td>
<td>Two Combustion Engineering Pressurized Water Reactors with a net electrical output of 1,821 MWe</td>
</tr>
<tr>
<td><strong>Reactor Core</strong></td>
<td>217 fuel assemblies</td>
</tr>
<tr>
<td><strong>Reactor Vessel</strong></td>
<td>42' high; 172&quot; inside diameter; 8.7&quot; thickness</td>
</tr>
<tr>
<td><strong>Reactor Containment Building</strong></td>
<td>Concrete and steel construction 3' thick; 154' diameter; 243' height</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SECONDARY SYSTEM</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Turbine/Generator</strong></td>
<td>Westinghouse Electric Corp.</td>
</tr>
<tr>
<td><strong>Cooling System</strong></td>
<td>Cooling water is pulled from the Atlantic Ocean</td>
</tr>
</tbody>
</table>

General Information

St. Lucie Nuclear Plant is located on Hutchinson Island, midway between Fort Pierce and Stuart. The plant is situated on a 1,132-acre tract of land. Approximately one quarter of the site is used for generating electricity. The remainder of the property consists of mangrove swamps, marsh and beaches. This wealth of natural habitat has allowed FPL to support a variety of environmental activities.

**Workforce**
- 700 during normal operations; approximately 1,000 additional during scheduled refueling outages

**Salaries**
- Approximately $67 million annually

**Property taxes paid**
- Approximately $24 million annually

**Construction license granted**
- Unit 1: July 1970
- Unit 2: May 1977

**Operating license issued**
- Unit 1: March 1976
- Unit 2: April 1983

For More Information:
- fpl.com/nuclear
- nexteraenergy.com
- nrc.gov