Fact Sheet

Turkey Point

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Safety Information

Built in a low-risk seismic zone: Turkey Point is located in the lowest hazard zone for earthquakes according to the U.S. Geological Survey (USGS).

Constructed to withstand earthquakes: The plant is designed to withstand earthquakes and other natural events stronger than ever recorded in the region.

Protected from flooding: The plant is elevated 20 feet above sea level to protect against flooding and extreme storm surges. Turkey Point successfully withstood the direct impact of Category 5 Hurricane Andrew in 1992.

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 onsite; 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.

System Information

PRIMARY SYSTEM	
Reactor Type	Westinghouse Pressurized Water Reactor
Reactor Core	157 fuel assemblies
Reactor Vessel	42' 7" high; 155.5" inside dia; 7.75" thick at beltline
SECONDARY SYSTEM	
Turbine/Generator	Westinghouse Electric Corp.
Cooling Canal System	168 miles of canals provide cooling water for the fossil and nuclear units

General Information

Turkey Point Nuclear Power Plant is located 25 miles south of Miami, Florida. The 11,000-acre tract is dominated by mangrove swamps. The cooling canals encompass an additional 6,800 acres.

- **Workforce**
  800 during normal operations; 2,800 on-site during scheduled refueling outages.
- **Salaries**
  Approximately $80 million annually.
- **Property taxes paid**
  Approximately $7 million annually.

Milestones

- **Operating license issued**
  Unit 3: July 1972
  Unit 4: April 1973
- **Commercial operation**
  Unit 3: December 1972
  Unit 4: September 1973
- **Steam generators replaced**
  Unit 3: 1982
  Unit 4: 1983
- **Two additional safety grade emergency diesel generators installed:** 1991

For More Information:
www.nei.org
www.nrc.gov
www.radiationanswers.org
www.epa.gov
www.NextEraEnergyResources.com