

Turkey Point Units 3 & 4



SITE ADDRESS

9760 SW 344th Street
Florida City, FL 33035

CORPORATE MEDIA LINE

(561) 694-4442

Safety Information

Turkey Point is designed to automatically shut down within seconds in response to extreme events.

Multiple redundant safety systems: In Turkey Point's relentless commitment to safety, there are layers upon layers of safety systems that exceed federal standards:

- » Four diesel generators that are protected by a steel-reinforced concrete building
- » Additional reactor cooling system powered by steam generated by the facility itself
- » Back-up batteries for critical safety systems
- » External cooling options, e.g., 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 off-site power or additional fuel.

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 hurricanes, protected from flooding: Turkey Point successfully withstood the direct impact of Category 5 Hurricane Andrew in 1992. The facility is designed to withstand natural events stronger than ever recorded in the region and is elevated 20 feet above sea level to protect against flooding and extreme storm surges.

All equipment and components vital to nuclear safety are flood protected to 22 feet above sea level for maximum predicted storm surges and wave run-up.

Highly trained facility operators: For one full week out of every six weeks, facility operators must prove their ability to safely operate the facility 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: Thanks in part to FPL's efforts, the U.S. Fish and Wildlife Service says the American crocodile has grown and has improved enough to upgrade the reptile from the endangered species list to threatened.

General Information

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

The facility is a thriving workplace and generous neighbor to its local community. Turkey Point helps FPL customers keep their bills well below the national average and reliability that is among the best in the country.

- » **Produces 100 percent carbon-free energy**
For more than 900,000 homes
- » **Provides desirable jobs**
700 during normal operations;
2,800 during outage operations
- » **Economic engine**
Pays approximately \$60 million annually in salaries
- » **Contributes to local community**
Pays more than \$37 million annually in property taxes
- » **Begin commercial operation**
Unit 3: 1972
Unit 4: 1973
- » **Current license expires**
Unit 3: 2032
Unit 4: 2033

System Information

PRIMARY SYSTEM	
Reactor Type	Westinghouse Pressurized Water Reactor
Reactor Containment Building	Each reactor protected by a nearly four-foot-thick steel-reinforced concrete dome
SECONDARY SYSTEM	
Turbine/Generator	Westinghouse Electric with a net electrical output of 1,632 MWe
Cooling System	Cooling water is provided from 168 miles of canals

For More Information:

fpl.com/nuclear
nexteraenergy.com
nrc.gov