

Protecting our Environment

Clean, Safe Nuclear Power at Turkey Point Units 6 & 7

Environmental Excellence

Florida Power & Light Company’s nuclear power plants have provided clean, safe, affordable electricity for decades, helping keep our bills the lowest in the state and our reliability among the best in the country.

Building on that record, FPL is creating the option to build two new nuclear units at our existing Turkey Point facility near Homestead, Florida. These new units, Turkey Point 6 & 7, would produce approximately 2,200 megawatts of reliable power, enough for an estimated 750,000 homes in South Florida.

Nuclear Power: Clean and Efficient Energy

At FPL, environmental excellence is a core value of our company — and a key part of our commitment to the safe and efficient operation of all our facilities. Our goal is always to protect public health, safety, and the environment.

Nuclear power plants have one of the lowest impacts on the environment of any energy source. They not only avoid the burning of fossil fuels but they also isolate waste from the environment and use little land for production purposes.

Clean Air Energy

Because of nuclear power’s ability to provide large-scale amounts of electricity without emitting greenhouse gases, state and federal policymakers recognize it as an important source of safe, reliable energy that can help address global warming while meeting our nation’s growing energy demand.

Already, FPL’s St. Lucie and Turkey Point nuclear power plants provide more than 20 percent of our total electricity output, while preventing millions of tons of carbon dioxide (CO₂) emissions per year, the equivalent of taking millions of cars off the road. The new units at Turkey Point would avoid an additional 255 million tons of CO₂ emissions over the life of the project.

Water Conservation

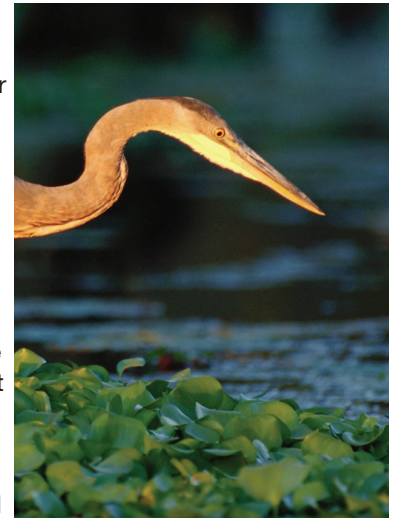
FPL developed an innovative plan with the Miami-Dade Water and Sewer Department to use treated municipal wastewater as cooling water for Turkey Point Units 6 & 7. By using reclaimed water, FPL recycles this valuable resource and avoids demand on local water sources.

Land Conservation and Wildlife Habitat

The area around Turkey Point Units 6 & 7 provides an excellent habitat for birds, mammals, plants, reptiles, and other wildlife.

Turkey Point only uses about one-tenth of its property for power production. Most of the remaining property is managed as habitat for endangered and threatened species. More than 100 species of birds and animals live at our plant sites, including the American crocodile at Turkey Point.

FPL and our parent company, NextEra Energy, Inc., also support a broad range of local ecology programs, including wetlands recovery, tree planting, park and trail maintenance, and recycling.



Environmental Stewardship

The Turkey Point Units 6 & 7 project would continue FPL’s longstanding commitment to protecting local wetlands.

- » FPL has identified more than 800 acres of wetland restoration, enhancement, and preservation opportunities.
- » This is in addition to FPL’s existing Florida Everglades Mitigation Bank, in which nearly 13,500 acres of wetlands will be returned to their natural, historical condition.
- » This area is home to more than 38 species of wildlife, including 12 endangered and nine threatened species.

For more information on the proposed new nuclear units at Turkey Point, please visit www.FPL.com/nuclear

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Creating a Home for the American Crocodile



Our efforts to improve nesting opportunities at the Turkey Point site have played an integral role in the growth of the American crocodile population, helping get the reptile removed from the endangered species list. While nests and hatchlings were rare in the Turkey Point cooling canal system in the 1970s, today there are approximately 22 nests and about 400 crocodiles within the plant's cooling canal system at any given time.

FPL initiated a comprehensive crocodile monitoring program in the early 1980s, consisting of:

- » Intensive night-time surveys of the entire 150 miles of cooling canals during nesting season;
- » Tagging and marking hatchlings;
- » Day-time surveys during the beginning of nesting season for evidence of nesting activity; and
- » Monitoring and managing the crocodile population.

FPL has undertaken several important activities at the Turkey Point site to further enhance nesting opportunities and to promote the survival of young crocodile hatchlings, including:

- » Construction of fresh water areas in the cooling canal system at known nesting sites;
- » Removal of exotic vegetation (such as Australian pines) from nesting areas;
- » Preservation of native vegetation near nesting areas;
- » Relocation of hatchlings to more suitable habitat and to further protect them from predators;
- » Careful coordination of maintenance activities to ensure the safety of the crocodiles; and
- » Hiring of an on-staff crocodylian expert to manage the program.

Maintenance of FPL's 13,500-acre Everglades Mitigation Bank, located immediately south and west of the Turkey Point site, provides additional habitat protection for the crocodile.