

More than 500 megawatts of new, clean nuclear power for Florida

In April 2013, Florida Power and Light Company completed an immense, complex, multibillion-dollar investment to add more than 500 new megawatts of zero-emissions nuclear power capacity for Florida – the largest U.S. nuclear project in recent history.



With the completion of the final upgrade at Turkey Point (pictured) in April 2013, a total of more than 500 megawatts are now serving the state.

Nuclear power increases fuel diversity, reliability and cost stability while reducing our dependence on imported fossil fuels.

- » One of the ways FPL keeps customer bills low is to continually look for ways to produce electricity more efficiently.
- » Several years ago, FPL began the process of investing in extended power uprates – upgrades to the St. Lucie and Turkey Point nuclear plants to produce additional electricity without expanding their footprints.
- » FPL met the initial projection of approximately 399 megawatts for the entire investment at the end of 2012, and the project is estimated to deliver nearly 30 percent more capacity than originally projected.
- » FPL's reliance on natural gas reduced by more than 4% beginning in the first full year of operation, providing an important hedge against volatile natural gas prices.

This successful investment in Florida's energy infrastructure would not have been possible without the state's crucial nuclear cost recovery law, which helps keep the long-term costs down for customers.

Quick Facts About FPL's Nuclear Uprate Investment

- » **More than 500 new megawatts completed in April 2013**
- » **Enough power to serve about 326,000 customers**
- » **Estimated \$3.4 billion in fossil fuel savings for customers**
- » **Estimated fossil fuel reduction equivalent to 6 million barrels of foreign oil**
- » **Prevent the emission of an estimated 33 million tons of greenhouse gases – like removing about 5 million cars from the road**
- » **Creation of thousands of jobs; in 2012 alone, an average of 3,500 people worked full-time on the project every day**

Clean and Safe Nuclear Power for Florida's future



Latest project news

- » In January 2013, the Miami-Dade County Commission approved plans for a reclaimed treatment facility to recycle approximately 60 million gallons of treated wastewater from the Miami-Dade Water and Sewer Department as cooling water for the new units.
- » In 2012, state agencies recommended approval of FPL's plan to restore and preserve hundreds of acres as part of the mitigation plan for the project.

In addition to the completed upgrade at existing nuclear plants, FPL is creating the opportunity to build two new nuclear units at the Turkey Point facility near Homestead, Fla. These new units, Turkey Point 6 & 7, would together produce approximately 2,200 megawatts of reliable power, enough for an estimated 1.2 million homes in Florida, in the future.

- » FPL's 11,000-acre Turkey Point generation complex is located 25 miles south of Miami on Biscayne Bay, just east of the Homestead area. Today, the plant includes three natural gas units and two nuclear units. More than 5,000 acres at the site are dedicated to wildlife preservation.
- » The proposed new nuclear units have received strong state and local regulatory support. In 2008, the Florida Public Service Commission determined that there is a need for this project, and the PSC independently reviews all project costs to ensure prudence on an annual basis.
- » Based on our 2012 analysis, customers would save approximately \$78 billion in fossil fuel costs over the initial 40-year license period. The new units would also avoid 265 million tons of CO₂ emissions over their first 40 years of operation.
- » The two units would deliver an estimated \$6 billion in economic benefits to the local economy during construction; create as many as 3,600 new jobs during the construction period and approximately 800 permanent, high-paying technical jobs once the proposed plants are completed; and deliver an average of \$100 million in annual tax revenue for Miami-Dade schools and other local services.
- » FPL's Turkey Point plant has safely and reliably provided nuclear power for customers for more than 35 years. The new nuclear units would incorporate numerous redundant safety systems and would be staffed by very highly trained professionals.

Nuclear Cost Recovery Clause for a 1,000-kWh FPL Customer

FPL's 1,000-kWh residential customer bill is the lowest of Florida's 55 electric utilities, and the Nuclear Cost Recovery Clause will account for about one-half of one percent of the total bill in 2014.

* Formal projection filed for Florida Public Service Commission review.

Rates subject to change

