

Nuclear Generating Stations

Duke Energy operates three nuclear power generating stations in North Carolina and South Carolina – providing about one-half of the electricity used by our customers in those states.

Nuclear energy has been a part of Duke Energy's diverse mix for more than 30 years, with the nuclear fleet setting benchmarks for safety, reliability and efficiency. The combined generating capability of these facilities is approximately 7,000 megawatts.



Catawba Nuclear Station

- Capacity: 2,258 megawatts
- Location: York County, S.C.
- Number of Units: 2
- Commercial Date: 1985



McGuire Nuclear Station

- Capacity: 2,200 megawatts
- Location: Mecklenburg County, N.C.
- Number of Units: 2
- Commercial Date: 1981



Oconee Nuclear Station

- Capacity: 2,538 megawatts
- Location: Oconee County, S.C.
- Number of Units: 3
- Commercial Date: 1973

New Nuclear Generation

In December 2007, Duke Energy submitted a combined construction and operating license application to the U.S. Nuclear Regulatory Commission for our proposed 2,234-megawatt Lee Nuclear Station in Cherokee County, S.C. Licensing activities for Lee Nuclear continue.

In June 2009, Duke Energy announced it was joining with AREVA, USEC Inc., UniStar Nuclear Energy and the Southern Ohio Diversification Initiative to form the Southern Ohio Clean Energy Park Alliance. The alliance is pursuing the development of America's first clean energy park project at a U.S. Department of Energy (DOE) site in Piketon, Ohio, which includes evaluating the site as a potential location for a new nuclear power plant.