

William States Lee III Nuclear Station

Project Overview

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. The site was selected in 2006 following a comprehensive study to identify possible plant locations across Duke Energy's service area in the Carolinas.



Photo courtesy of Westinghouse Electric Company

It can take up to 15 years to plan, permit and construct large baseload power plants. While a decision to build a new nuclear station is a number of years away, work must begin now to ensure this option is available in the future to meet our customers' need for clean, affordable and reliable electricity.

The proposed plant is named for William States Lee III (Bill Lee), former chairman and CEO of Duke Power. Lee led both national and international efforts to establish worldwide standards of nuclear safety and operating excellence, while championing multiple community causes.

Environmentally Sound

Nuclear power plants safely generate more than 70 percent of all carbon-free electricity in the United States.

- Nuclear energy is one of the most practical alternatives for addressing Duke Energy's growing baseload power needs. It has been a part of the company's diverse fuel mix for more than 30 years.
- Nuclear energy is important to our nation's energy mix as one of the only proven, baseload technologies that does not emit greenhouse gases.
- To reduce carbon dioxide emissions and modernize our generation fleet, nuclear power must play an even larger role in Duke Energy's future portfolio.

Technologically Safe

Safety and security are top priorities at all Duke Energy plants and facilities.

- The proposed Lee nuclear facility consists of two Westinghouse AP1000™ pressurized water reactors – one of the safest and most economical nuclear power technologies available in the worldwide commercial market.
- This next generation of nuclear technology builds and improves on proven safe and secure nuclear power plant designs.

Economic Benefits

Duke Energy has a long history of safe and reliable electricity generation that helps support the region's economy through jobs and tax revenues.

- The plant would increase the tax base for local and state economies.
- Construction jobs could peak at an estimated 2,000+ during the construction period.
- The plant would employ an estimated 400 to 700 full-time people during station operation, and local businesses may need to add new jobs and services to support these workers.

Duke Energy

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