NEXTera ENERGY SEABROOK

Fact Sheet

Seabrook

SITE ADDRESS
P.O. Box 300, 626 Lafayette Road
Seabrook, NH 03874

CORPORATE MEDIA LINE
(561) 694-4442

Safety Information

Built in a low-risk seismic zone: Seabrook is located in one of the lowest hazard zones for earthquakes according to the U.S. Geological Survey (USGS).

Protected from snowstorms: The plant is designed to withstand snowstorms and other natural events stronger than ever recorded in the region.

Protected from flooding: The plant is located two miles inland and elevated 20 feet above sea level to protect against flooding and extreme storm surges.

Designed with multiple safety systems: Redundant safety systems include:

» Two diesel generators protected by a concrete and steel-reinforced building, and a separate supplemental emergency power system with two diesel engines

» Additional reactor cooling system powered by steam generated by the plant itself

» Back-up batteries for critical safety systems are stored on-site

» External cooling options (i.e. 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.

Highly trained plant operators: For one full week out of every eight weeks, plant operators must prove their ability to safely operate the plant in a variety of worst-case scenarios that include earthquakes, severe storms, flooding, loss-of-power and loss of reactor core cooling.

System Information

PRIMARY SYSTEM	
Reactor Type	Westinghouse pressurized water reactor with a net electrical output of 1,250 MWe
Reactor Core	193 fuel assemblies
Reactor Vessel	44' high; 15' wide
Reactor Containment Building	Double-dome concrete and steel construction; Outer dome 15" thick; inner dome 4.5' thick; outside height 180'; inside diameter 140’
SECONDARY SYSTEM	
Turbine/Generator	General Electric
Cooling Tunnels	Two 3-mile-long tunnels carry water to and from the Atlantic Ocean

General Information

Seabrook Station is located on 900 acres on the seacoast of southern New Hampshire. The plant is operated in a highly-responsible manner and is dedicated to protecting the environment while meeting the energy needs of New England. Seabrook Station is one of only a few nuclear power plants in this country that is ISO 14001 compliant, recognizing the plant’s leadership and excellence in environmental stewardship.

» **Workforce**
Approximately 375 during normal operations; another 1,000 added during scheduled refueling outages

» **Salaries**
Approximately $75 million annually

» **Property taxes paid** Approximately $14 million annually

» **Construction permit granted** June 1976

» **Commercial operation began**
August 1990

For more information:

nexteraenergyresources.com
seabrookstation.com
nrc.gov