

## Seabrook



### SITE ADDRESS

P.O. Box 300, 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 500 during normal operations; another 1,000 added during scheduled refueling outages
- » **Salaries**  
 Approximately \$100 million annually
- » **Economic impact**  
 \$10 million annually
- » **Property taxes paid**  
 Approximately \$20 million annually
- » **Construction permit granted**  
 June 1976
- » **Commercial operation began**  
 August 1990

For more information:

[nexteraenergyresources.com](http://nexteraenergyresources.com)  
[seabrookstation.com](http://seabrookstation.com)  
[nrc.gov](http://nrc.gov)