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).

**Constructed to withstand earthquakes:** The plant is designed to withstand the force of the earthquake that hit the Japanese plants, which is significantly higher than any recorded earthquake in New England history.

**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 onsite; can use ocean water for cooling

**Seven-day power supply:** Safety and cooling systems can be powered for seven days without requiring any offsite power or additional fuel.

**Highly trained plant operators:** For one full week out of every six 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**

<table>
<thead>
<tr>
<th>Reactor Type</th>
<th>Westinghouse Pressurized Water Reactor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactor Core</td>
<td>193 fuel assemblies</td>
</tr>
<tr>
<td>Reactor Vessel</td>
<td>44' high; 15' wide</td>
</tr>
<tr>
<td>Reactor Containment Building</td>
<td>Double-dome concrete and steel construction. Outer dome 15' thick; inner dome 4.5' thick; outside height 180'; inside diameter 140'</td>
</tr>
</tbody>
</table>

**SECONDARY SYSTEM**

<table>
<thead>
<tr>
<th>Turbine/Generator</th>
<th>General Electric</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling Tunnels</td>
<td>Two 3-mile-long tunnels carry water to and from the Atlantic Ocean</td>
</tr>
</tbody>
</table>

Fact Sheet

Seabrook

**Site Vice President**
Paul Freeman

**Site Communications Manager**
Sarah Gebo

P.O. Box 300, Lafayette Road
Seabrook, NH 03874

Corporate Media Line
(305) 552-3888

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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 certified, recognizing the plant’s leadership and excellence in environmental stewardship.

- **Workforce**
  1,100 during normal operations; 2,100 on-site 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:

- www.nei.org
- www.nrc.gov
- www.radiationanswers.org
- www.epa.gov
- www.NextEraEnergyResources.com
- www.seabrookstation.com