

# Point Beach



### Site Vice President

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### Site Communications Manager

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## Safety Information

**Built in a low-risk seismic zone:** Point Beach is located in the lowest hazard zone for earthquakes according to the U.S. Geological Survey (USGS).

**Constructed to withstand earthquakes:** The plant is designed to withstand earthquakes and other natural events stronger than ever recorded in the region.

**Protected from flooding:** The plant is elevated 20 feet above lake level to protect against flooding.

**Designed with multiple safety systems:**

Redundant safety systems include:

- » Four diesel generators that are protected by a concrete and steel-reinforced building
- » 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 lake water for cooling

**Five day power supply:** Safety and cooling systems can be powered for five 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	
Reactor Type	Two Westinghouse Pressurized Water Reactors with a net electrical output of 1,023 MWe
Reactor Core	121 fuel assemblies
Reactor Vessel	38' high 12' wide
Reactor Containment Building	145' high structure 3.5' thick walls of steel reinforced concrete, a 3' thick concrete dome, and a 9' deep concrete base.
SECONDARY SYSTEM	
Turbine/Generator	Westinghouse Electric Corp.

## General Information

The Point Beach Nuclear Plant is bordered by land of neighboring farms and Lake Michigan on approximately 1,200 acres near the city of Two Rivers, Wisconsin.

Point Beach Nuclear Plant remains committed to being a safe and reliable source of energy and an invaluable asset to the surrounding community.

» **Workforce**

690 during normal operations.

» **Salaries**

Approximately \$62 million annually.

» **Property taxes paid**

Approximately \$5.7 million annually.

## Milestones

» **Operating license issued**

Unit 1: October 1970

Unit 2: May 1972

» **Commercial operation**

Unit 1: December 1970

Unit 2: March 1973

» **Steam generators replaced**

Unit 1: 1983

Unit 2: 1996

For More Information:

[www.nei.org](http://www.nei.org)

[www.nrc.gov](http://www.nrc.gov)

[www.radiationanswers.org](http://www.radiationanswers.org)

[www.epa.gov](http://www.epa.gov)

[www.NextEraEnergyResources.com](http://www.NextEraEnergyResources.com)