

Point Beach



SITE ADDRESS

6610 Nuclear Road
Two Rivers, WI 54241

CORPORATE MEDIA LINE

(561) 694-4442

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: Despite the low risk from seismic events, the plant is designed to withstand earthquakes and other natural events stronger than ever recorded in the region.

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

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 aligned and in service
- » 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.

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**
400 normal operations
- » **Salaries**
Approximately \$62 million annually
- » **Property taxes paid** Approximately \$6.8 million annually

Milestones

- » **Operating license issued**
Unit 1: October 1970
Unit 2: March 1973
- » **Commercial operation**
Unit 1: December 1970
Unit 2: March 1973
- » **Steam generators replaced**
Unit 1: 1983
Unit 2: 1996
- » **Extended power uprate**
Unit 1: 2011
Unit 2: 2011

System Information

PRIMARY SYSTEM	
Reactor Type	Two Westinghouse Pressurized Water Reactors with a net electrical output of 1,200 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.
Cooling System	Cooling water is pulled from Lake Michigan

For More Information:

nexteraenergy.com
nrc.gov