

Cape, Wyman Energy Center

Overview

- » Located on Portland Harbor in South Portland, Maine and in Yarmouth, Maine
- » Owned and operated by a subsidiary of NextEra Energy Resources
- » Commissioned in 1957-1970
- » Acquired by NextEra Energy Resources in 1999
- » The 273-megawatt units are operated remotely by operations staff at W.F. Wyman in Yarmouth, Maine
- » Central Maine Power retains ownership of the land for Cape Station
- » When operating at full power, the plant generates enough electricity for more than 273,000 homes
- » Staffed by employees from Wyman Station in Yarmouth



How It Works

Cape Energy Center is a peaking plant, which means it is called into service only at times of high customer demand on the regional power grid.

It is called a simple cycle plant because it has only one means of generating electricity – burning oil.

Fuel is ignited inside a combustion chamber and the hot combustion gases blow into a gas turbine, spinning the turbine blades. (All power plants have a turbine with blades that are either spun by the wind, by water, by steam or by hot gases.)

The spinning turbine is connected by a shaft to a generator. The shaft turns the generator and the generator makes electricity.

About NextEra Energy Resources

- » A leading clean energy provider operating wind, natural gas, solar, hydroelectric and nuclear power plants across the nation
- » More than 18,000 megawatts of generating capacity in 26 states and Canada
- » The largest wind generator in North America with facilities in 17 states and Canada
- » A subsidiary of NextEra Energy, Inc., with headquarters in Juno Beach, Florida

