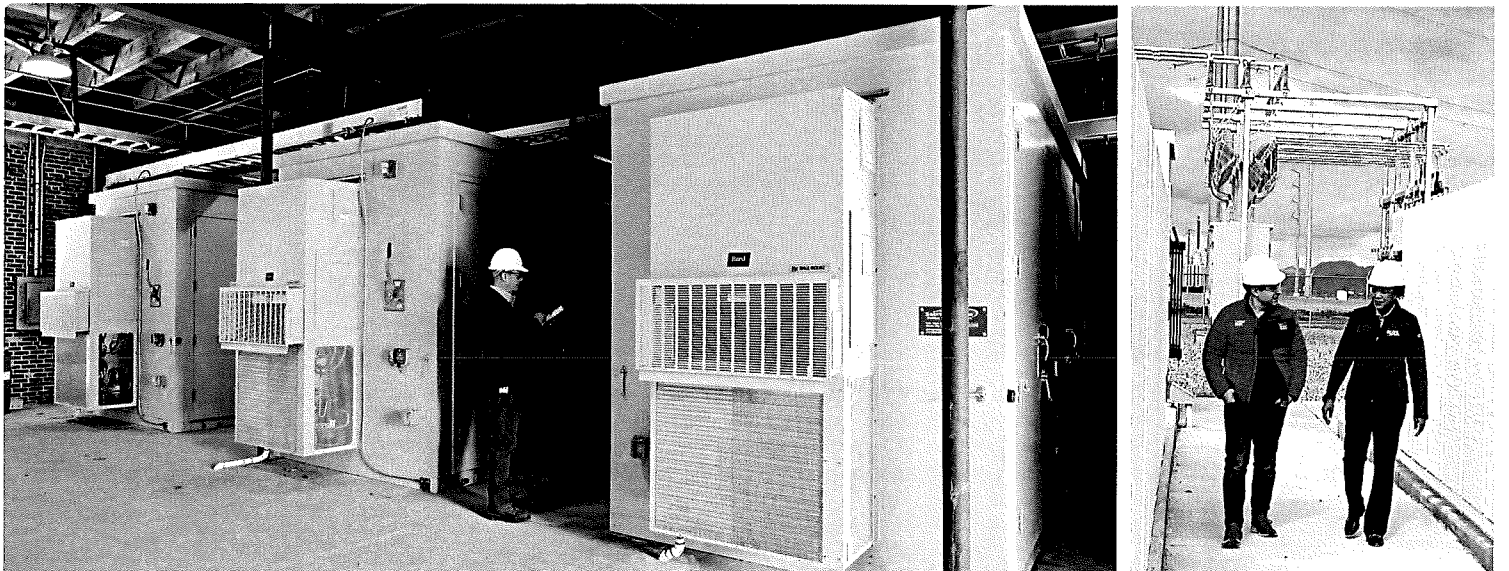
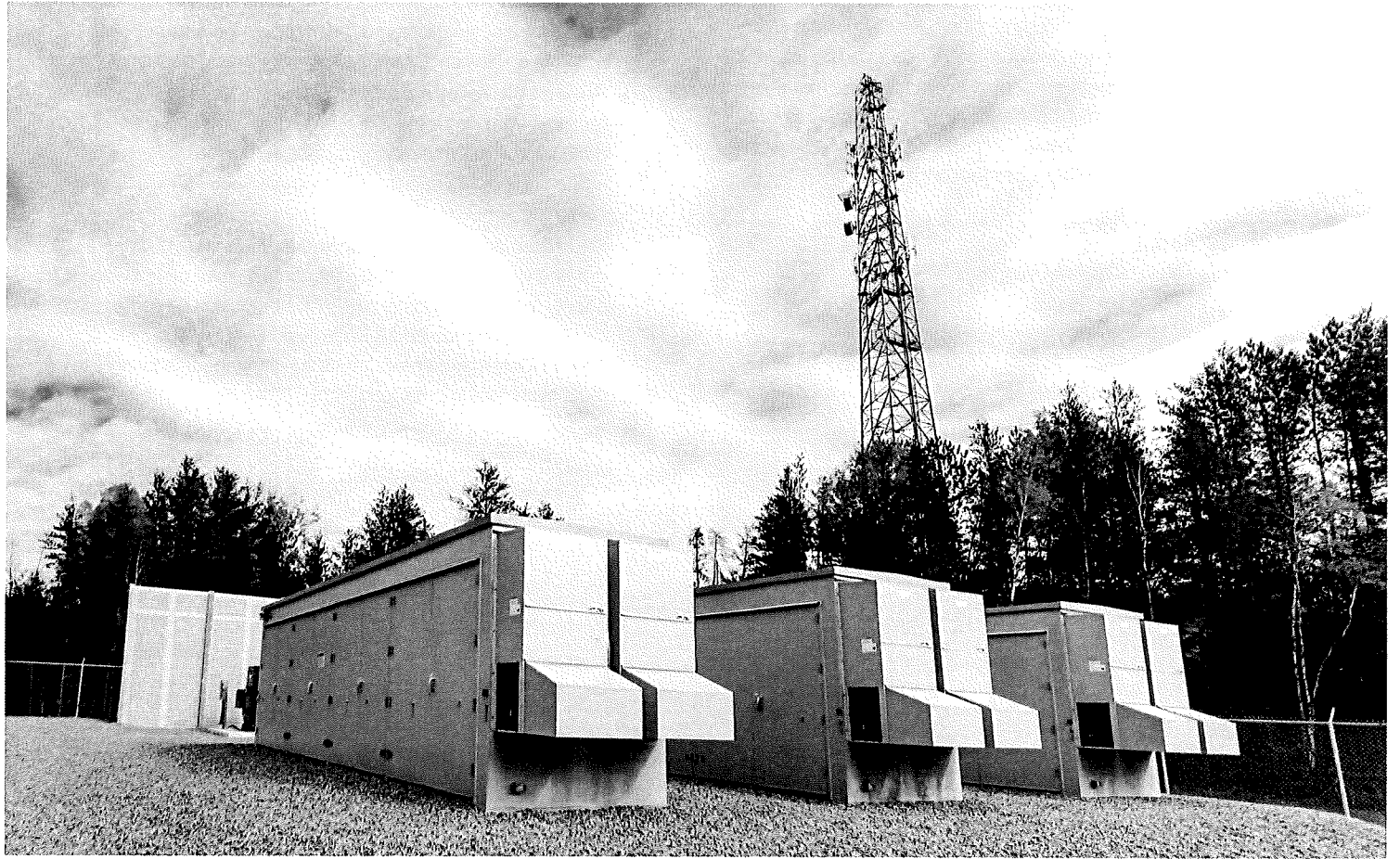
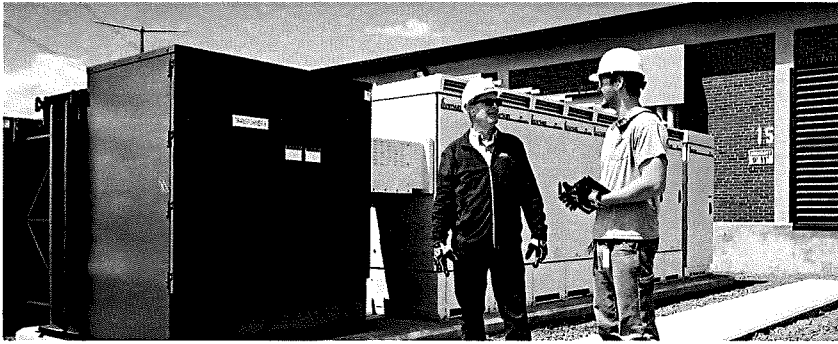


Our **Energy Storage** Business





NextEra Energy Resources employees at the 16.2-MW Casco Bay Energy Storage Facility in Maine (April 2017). The company is developing additional energy storage facilities across North America.

Projects require little land, provide many benefits

Energy storage projects do not require a large area for development, are scalable in size and can be located in many places. NextEra Energy Resources generally seeks to site a project as close as possible to existing electrical transmission or distribution infrastructure and often, close to an existing renewable project.

Other benefits of energy storage include no greenhouse gases or other air pollutants, no use of water to generate electricity, and a renewable supply of energy.

Interest in energy storage is growing

The growing interest in energy storage is being driven by a number of factors, including:

- » Reductions in technology costs.
- » The rapid development of intermittent renewable energy resources.
- » The evaluation of new policy initiatives by states.
- » Regulatory changes.

For example, the Federal Energy Regulatory Commission has mandated policy changes in the frequency regulation market that have helped spur the use of energy storage for this purpose. Certain markets are now encouraging utilities to use energy storage to manage the intermittent energy that flows into the grid and to supply the grid with energy during times of peak use.

Costs are expected to decline

While emerging technology costs tend to be higher and therefore less competitive during the early evolution phase, technological efficiencies, improved manufacturing productivity and economies of scale help lower cost over time. As batteries gain wider industry adoption, prices are expected to decrease further.

Energy storage is safe, reliable

Safety is always a top priority in NextEra Energy Resources' operations, and energy storage systems are no exception.

Our energy storage systems are safe and reliable. Overall, energy storage has been a part of the U.S. electric system since the 1930s. Today, it makes up approximately 2% of the nation's generation capacity, according to the Energy Storage Association. The safety record of the industry is similar to or better than other forms of power generation or distribution.

NextEra Energy Resources is experienced in energy storage

Our team of specialists has spent years researching energy storage technologies, applications and use cases, leading to two demonstration projects in 2012 and 2013.

Today, NextEra Energy Resources has more than 145 MW of operational energy storage, including the Lee DeKalb Energy Storage Facility in Illinois and the Blue Summit Energy Storage Facility in Texas. These facilities are being used for frequency regulation. Traditionally, fossil and hydroelectric power plants have been used for frequency regulation. Now, batteries can also accomplish this task more efficiently.

In addition to the growth of operational facilities, the company has a robust pipeline of development projects across the U.S. and Canada.



Batteries are placed into removable racks similar to a computer server. There are also monitoring, control and power conversion systems, as well as cooling and fire suppression systems.