

Elk Neck Battery Storage Pilot Program



An Exelon Company

Through the Maryland Energy Storage Pilot Program, Delmarva Power is launching a residential battery storage program in the Elk Neck community that will provide automatic backup power for participating customers during extreme weather and enhance reliability in the Elk Neck area by supporting the local energy grid. This program is part of Delmarva Power's continued efforts to meet our customers' evolving energy needs, create new energy choices, and power a cleaner and brighter future.

Program Overview

Delmarva Power is offering up to 110 state-of-the-art residential battery storage systems in the Elk Neck area at no cost to customers. These battery storage systems are safe and sustainable energy solutions that provide a source of backup power for participating customers in case of a power outage, as well as a variety of other benefits for the community. The batteries are expected to be installed and operational by February 2022.

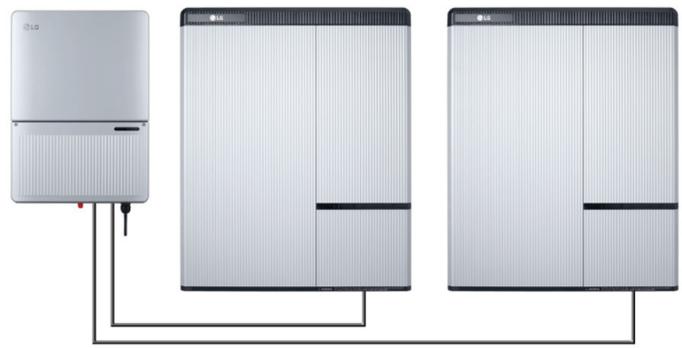
Delmarva Power is working with an industry leader, Sunverge Energy, who will install, operate, maintain and own the battery systems during the life of the program. When the program is complete, participating customers will have the opportunity to keep the batteries.

Key Program Details

Battery storage systems enable us to store energy for later use. For this program, we are essentially using a larger scale version of the batteries commonly used in computers and smart phones to support the operation of the local energy grid.

This program will improve resiliency for participating customers in the event of a power outage by providing backup power in participating customers' homes. Just like a generator, the batteries will be capable of supporting critical equipment, such as cooking appliances, refrigeration and lighting.

The proposed battery storage program will also support the local energy grid on hot summer and cold winter days when demand is highest. When needed, the residential batteries will be able to feed power into the local energy grid, which can then be delivered to local homes or businesses, or used to support the overall reliability of the grid. Together, the battery systems help create a smarter energy infrastructure that will help us deliver energy more efficiently, improve resiliency for participating customers and enhance service in the area.



Installed LG residential battery system

Program Benefits



Enhances reliability in the Elk Neck area by supporting the local energy grid.



Provides automatic backup power during extreme weather.



Helps reduce long-term maintenance and equipment costs.



Supports better integration of new energy technologies, such as solar power and electric vehicle charging stations.