



Maryland Energy Storage Pilot Program



We are constantly evaluating new technologies and services that can connect our communities, create new energy choices, and power a cleaner and brighter future. Through Maryland's Energy Storage Pilot Program, BGE, Delmarva Power and Pepco are proposing six battery storage projects that will explore how this innovative technology can benefit customers and enhance the reliability of the local energy grid.

About Battery Storage Technology

Battery storage systems, also called energy storage systems, are safe and sustainable energy solutions and have the potential for wide-spread deployment on the energy grid. The battery technology used to support the energy grid is essentially a larger scale version of the batteries commonly used in computers and smart phones that can be found in most peoples' homes. When directly connected to the grid, the systems store energy that can be used later to meet customers' needs. State agencies, energy companies, and municipalities are advancing energy storage efforts nationwide, putting in place a building block for a smarter energy grid.

Background

The Maryland Public Service Commission (PSC) established the Energy Storage Pilot Program in August 2019, requiring several energy companies in Maryland to collaborate with industry partners and propose energy storage projects. This pilot program provides an exciting opportunity to study how this technology can best benefit customers. The PSC will determine which projects to approve by April 2021; those projects will be in operation in 2022.

Our Vision

Advanced technologies are transforming the way we deliver service. Battery storage systems are an important piece of building a smarter energy infrastructure that connects customers to more services and choices, from clean electric transportation to community solar. As the energy grid transforms into a common platform that meets our customers' evolving energy needs, deploying battery storage systems will help increase the system's reliability and resiliency while also supporting the deployment of new technologies and services for customers and communities.



Potential Benefits of Battery Storage



Maintain affordable service by reducing the need for infrastructure projects and other costs.



Improve reliability for customers by supporting electric system operations.



Increase resiliency for communities during extreme weather by providing a local power supply.



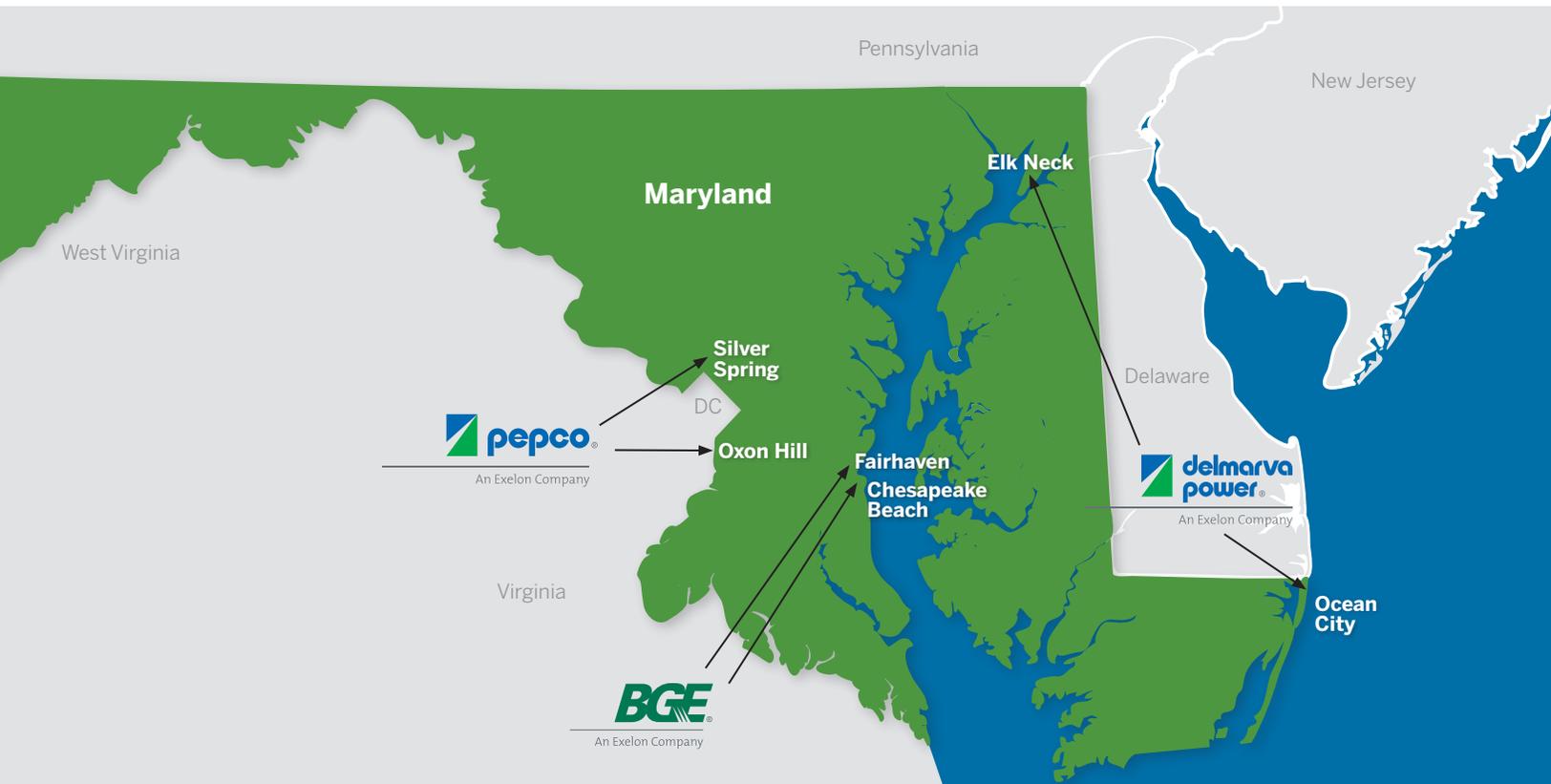
Support more clean energy by helping integrate intermittent sources, such as solar and wind.



Support more electric vehicle charging stations.

Proposed Battery Storage Projects

We are working to build a smarter energy infrastructure and enhance our communities through the Energy Storage Pilot Program. We are requesting PSC approval to proceed with six energy storage pilot projects that will provide innovative energy solutions to enhance service for customers. This program is a first step in helping us bring similar services and benefits to other communities across our service areas.



BGE

- **Fairhaven**
A battery storage system to enhance reliability for customers during peak demand on the coldest winter days.
- **Chesapeake Beach**
A battery storage system to enhance reliability for customers during peak demand on the coldest winter days.

Delmarva Power

- **Ocean City**
A battery storage system to enhance reliability for customers during peak demand on hot summer and cold winter days.
- **Elk Neck**
A network of residential battery storage systems to improve resiliency in customers' homes and create a local supply of power to support the local energy grid during peak demand.

Pepco

- **Oxon Hill**
A battery storage system to help relieve load on the local energy grid during peak demand.
- **Silver Spring**
A battery storage system at the Brookville Bus Depot to help proposed bus electrification efforts and support the local energy grid.