

# Delmarva Power & Light Company

Maryland Energy Storage  
Virtual Power Plant Pilot

PJM Emerging Technology Forum  
June 14, 2021



# Elk Neck Project – Virtual Power Plant Business Model



Elk Neck Project: Residential community located in Cecil County on an isolated peninsula in the Chesapeake Bay

- First Exelon Utility Virtual Power Plant and first PJM Market Virtual Power Plant

## Reliability/Resiliency Opportunity:

- 300 + residential customers south of Elk Neck State Park fed by a four-mile radial feeder
- Unique Virtual Power Plant Project
- Experienced vendor selection – Sunverge Energy, Inc.

# Elk Neck Project Summary

Project Category	Project Information
Size	0.5 MW/1.5 MWh
Business Model	Virtual Power Plant (VPP) - Aggregated Residential Storage Program
No of Customers in the VPP Program	110 Residential Customers
Energy Storage Developer/Owner	Sunverge Energy, Inc
Energy Storage - Wholesale Operations	PJM Virtual Power Plant Pilot
Energy Storage Technology	LG Electronics 5kW/19.6 kWh
Primary Application	Grid Reliability & Backup Power
Secondary Application	DER-Integration/Possible PJM Market Participation
Location	Elk Neck Peninsula, Cecil County, Maryland

# Elk Neck Project Updates

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## Project Milestones to Date:

- Vendor contract executed
- Customer metrics developed for the pilot project
- Customer recruitment initiated for 110 customers
  - Customer letter developed
  - FAQ sheet established
  - Recruitment questionnaire created

## Project Next Steps:

- Recruit customers
- Perform customer site survey/inspection
- Sign customer agreements
- Schedule install

## Targeted Operation Date

- February 2022

