

Dominion Energy's First Battery Storage Projects Approved

25.02.2020 | [PR Newswire](#)

- Four pilots totaling 16 megawatts are largest projects of their kind in Virginia
- Energy storage is key to grid reliability, continued solar and wind expansion, and net zero emissions
- Grid Transformation & Security Act enables company to invest in 30 megawatts of battery storage

RICHMOND, Feb. 25, 2020 - Dominion Energy Virginia received approval from the State Corporation Commission (SCC) to move forward with four battery storage pilot projects to pave the way for additional energy storage technology needed to support the company's commitment to achieve net zero carbon and methane emissions by 2050, increase in renewables and to improve grid reliability.

The four utility-scale battery storage pilot projects totaling 16 megawatts are the largest projects of their kind in Virginia. The company will utilize lithium-ion batteries, like those found in electric vehicles, to better understand how this emerging technology can be integrated into various applications to benefit our customers.

These projects are enabled by the Grid Transformation & Security Act of 2018, which allows Dominion Energy to invest in up to 30 megawatts of battery storage pilot projects. As the company continues to increase its solar fleet – currently the fourth-largest of any utility holding company in the nation – and build out its offshore wind development off the coast of Virginia Beach, the company is looking for new and innovative ways to store the renewable energy it produces to maintain reliable service to customers.

"Dominion Energy will pilot these 16 megawatts of battery storage to better understand how best to deploy batteries across our system to integrate renewables and provide grid reliability by filling gaps due to the inherent intermittency of solar and wind power," said Mark D. Mitchell, Dominion Energy's vice president of generation construction. "These pilot projects will also help us learn how to incorporate this emerging technology into our overall strategy to achieve net zero carbon dioxide and methane emissions."

"Energy storage is emerging as a critical component to meeting our customers' needs and providing continued grid stability," said Joe Woormer, Dominion Energy's vice president of grid and technical solutions. "Experience from these pilot projects will enable storage to complement or serve as an alternative to traditional grid enhancements needed to maintain reliable service for our customers as we work to integrate renewables and improve grid resiliency."

The four Central Virginia-based projects will cost approximately \$33 million to construct and will provide key information on distinct use cases for batteries on the energy grid. The pilots will be evaluated over a five-year period once operational, currently expected to be in first quarter of 2021.

1. Two battery systems totaling 12 megawatts at the Scott Solar facility in Powhatan County will provide valuable information on the proficiency of battery technology to store energy generated from solar panels during periods of high production and release energy during periods when load is high or solar generation is low. It would also reveal how well a battery can optimize power production of the solar facility.
2. A 2-megawatt battery at a substation in the Town of Ashland, Hanover County will bolster the existing grid capacity to serve customers during times of high energy demand without the need to engage in wholesale equipment upgrades.
3. A 2-megawatt battery at a substation in New Kent County serving a 20-megawatt solar facility will demonstrate how batteries can help manage voltage and loading issues caused by reverse energy flow, to maintain stable power delivery to our customers.

About Dominion Energy

More than 7 million customers in 18 states energize their homes and businesses with electricity or natural gas from Dominion Energy (NYSE: D), headquartered in Richmond, Va. The company is committed to sustainable, reliable, affordable and safe energy and is one of the nation's largest producers and transporters of energy with more than \$100 billion of assets providing electric generation, transmission and distribution, as well as natural gas storage, transmission, distribution and import/export services. The company is committed to achieve net zero carbon dioxide and methane emissions from its power generation and gas infrastructure operations by 2050. Please visit DominionEnergy.com to learn more.

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Contact

Media Contacts: Audrey Cannon, (804) 771-6115, Audrey.I.cannon@dominionenergy.com; Jeremy Slayton, (804) 771-6115, Jeremy.I.slayton@dominionenergy.com.

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