THE CAPITAL GRID PROJECT: MOUNT VERNON SUBSTATION

At Pepco, our purpose is delivering safe, reliable, and affordable energy to our customers and communities in the District of Columbia and Maryland. We are committed to managing and maintaining the existing energy grid and planning for the future needs of our customers.

The Capital Grid project promotes enhanced reliability and strengthens our energy grid. Since we retired our power plants in the District, nearly all energy is imported from outside the city via radial or point-to-point transmission lines. Four passages of transmission lines are supplying energy to the Capital region, including the District of Columbia, and Prince George’s and Montgomery counties. If any of the transmission lines lost power, it could lead to an outage of several days to several weeks.

Aging transmission and substation infrastructure poses risks to the energy grid, and we must protect and strengthen it. That is why we are proposing the Capital Grid project, a major effort that will allow us to better serve our customers in the District and Maryland.

The Capital Grid project is a forward-looking plan that, if approved, will:
• Upgrade three existing substations in the District and Maryland
• Construct one new substation to serve areas projected to see high growth
• Build a new 10-mile underground transmission line to connect the substations and create a networked system through which we deliver electricity to our customers

Solar Energy Capacity for Customers Will Expand
There is growing interest in customer-generated power such as rooftop solar. At Pepco, we continue to support this interest by advancing technologies that empower customers, promote sustainable solutions, and drive a 21st century economy. The project will expand the transmission network, modernize the energy grid, and increase the grid’s capacity. Adding capacity will allow the grid to accommodate more customer-generated power in the future.

**CAPITAL GRID PROJECT BENEFITS**
The Capital Grid project provides many long-term benefits to our customers across the Capital region.

- New infrastructure that will reduce the strain on surrounding areas, improving service for customers
- Enhancements that will lessen the impact and speed recovery from storms and other emergencies
- A more robust energy grid to handle energy needs, as the District experiences rapid residential and commercial development
- Increased opportunities for minority, women, veteran and disabled local businesses and contractors to support project work as we energize the diverse, local communities where we live and work

[Diagram showing existing substations, transmission loop, new transmission route, proposed substation upgrades, and proposed new substations]
The proposed new Mount Vernon Substation will strengthen the energy grid in the Capital region and provide opportunities for future enhancements.

Mount Vernon Substation Overview
Currently, more than 18,000 residential units and more than 10 million square feet of retail and office space are completed, in progress, or planned in Mount Vernon Triangle, Northwest One, Shaw, NoMa, and surrounding areas. If nothing is done, our current system will be overloaded before this development work is complete. As part of the Capital Grid project, the proposed construction of the Mount Vernon Substation will meet the growing residential and commercial demands of that area.

Selecting a Location
A substation is a facility that reduces high-voltage electricity to lower voltages, which is ultimately used to provide power to our customers. Once a need for a new substation is determined, we have a comprehensive process to identify the ideal location. Proximity to new development of residential buildings and businesses, existing infrastructure, and underground lines creates a perimeter for an ideal area for a substation, called a “demand center.” In addition to location, several factors are evaluated including shape of land, cost, accessibility, zoning, and if the lot is vacant or underused. We considered ten sites for the proposed Mount Vernon Substation in and around the demand center. Through extensive research and examination, we ultimately selected the location near Mount Vernon Triangle. The proposed substation will be enclosed in a building designed with community input to blend into the surrounding neighborhood.

Mount Vernon Substation Rendering

Mount Vernon Substation Schedule
Our proposal must be reviewed by the Public Service Commission of the District of Columbia and the District of Columbia Board of Zoning Adjustment before the project may begin. Until construction begins, we will use this property as a staging area. We expect to start construction in 2019 and to complete it by 2023. We aim to complete the work with as little disruption as possible. We will notify residents and businesses near the project area before work occurs.

Safety is a Top Priority
During all phases of the Mount Vernon Substation construction, our highest priority is the safety of our customers, the community, our employees, and the environment. We incorporated safety in the technical design of our equipment, our energy grid, and our building. In addition, the layout of our exterior landscape incorporates security features to protect our system.

We Value Community Participation
We welcome the opportunity to work with residents and business owners to gather public feedback and input. We are committed to keeping customers informed every step of the way through the project webpage, community meetings, and social media. To find a community meeting in your neighborhood, visit www.pepco.com/CapitalGrid.

Need More Information?
For additional information about the Capital Grid project please call 1-833-CAP-GRID (227-4743), email CapitalGrid@pepco.com, or visit our website at pepco.com/CapitalGrid.