

# THE CAPITAL GRID PROJECT: OVERVIEW



An Exelon Company

**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

## Capital Grid Project Benefits

The Capital Grid project provides many long-term benefits to our customers across the Capital region.

- **Enhanced Service** – New infrastructure that will reduce the strain on surrounding areas, improving service for customers
- **Stronger System** – Enhancements that will lessen the impact and speed recovery from storms and other emergencies
- **Added Capacity** – A more robust energy grid to handle energy needs, as the District experiences rapid residential and commercial development
- **Economic Support** – 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

## 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.

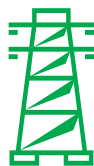
## HOW ENERGY IS DELIVERED TO YOU

Electricity travels across a complex infrastructure between the power plant or renewable energy source and the communities, homes and businesses where it is used. The three main components of that infrastructure are:



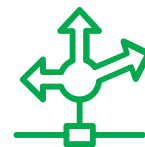
### GENERATION

Electricity is produced at generating plants that are powered by renewable energy sources such as wind, solar and water, fossil fuels, or nuclear energy.



### TRANSMISSION

High-capacity transmission lines send electricity to substations that reduce voltage to appropriate levels for use.



### DISTRIBUTION

Electricity is delivered from substations through the local grid to homes, schools, businesses, and other customers.

**At Pepco, we are investing in key infrastructure projects to support growing customer demands. With one eye always on the future, the Capital Grid project is a large component of our efforts to modernize and improve the grid to better serve our customers.**

**Project 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. The Board of Zoning Adjustment has approved several aspects of the project, and if approved by the Public Service Commission, we expect to start construction in 2019, and complete it by 2026. 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.

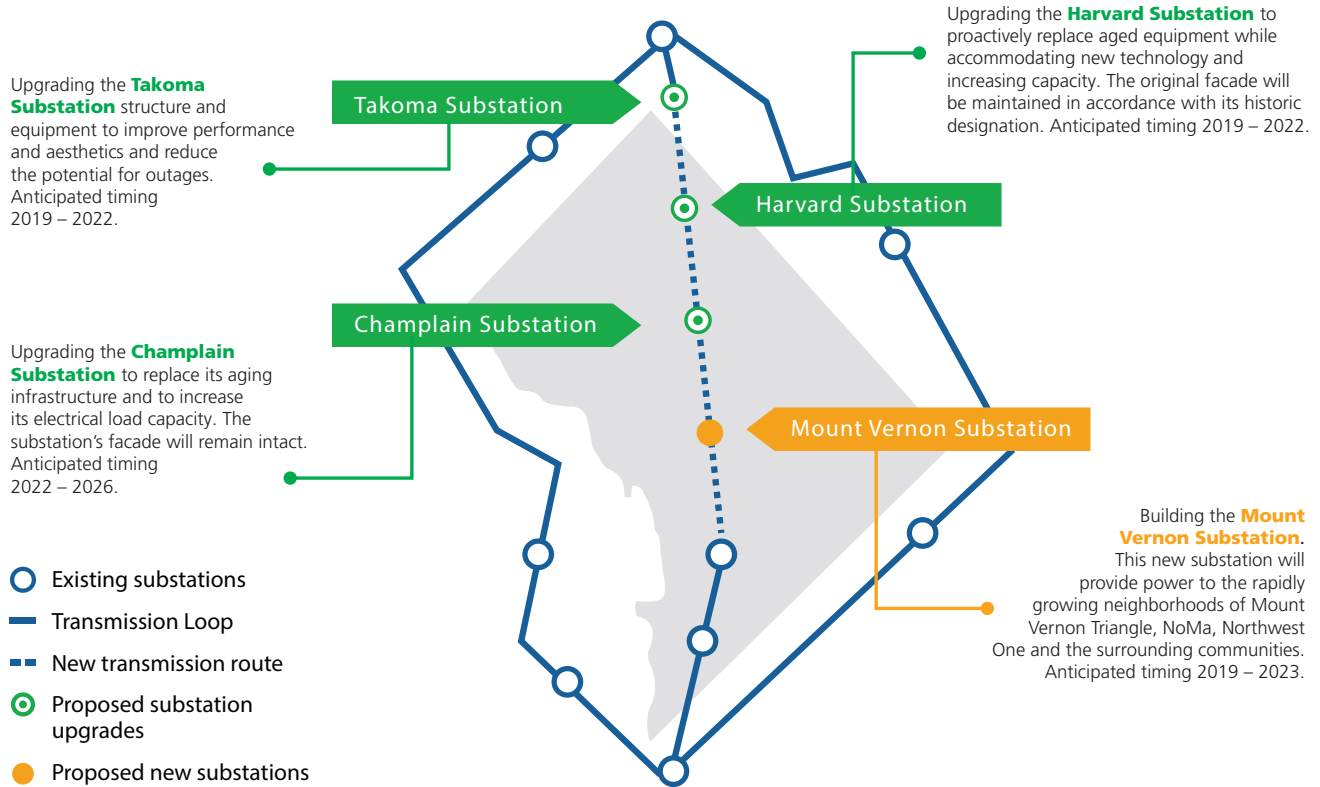
**Safety is a Top Priority**

During all phases of Capital Grid 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](http://www.pepco.com/CapitalGrid).

Installing approximately 10 miles of **underground transmission cable** through the District of Columbia to connect multiple substations and create a stronger grid. Anticipated timing 2019 – 2022.



**NEED MORE INFORMATION?**

For additional information about the Capital Grid project please call **1-833-CAP-GRID (227-4743)**, email [CapitalGrid@pepco.com](mailto:CapitalGrid@pepco.com), or visit our website at [pepco.com/CapitalGrid](http://pepco.com/CapitalGrid).

**STAY INFORMED. STAY CONNECTED.**  
**#CAPGRID**