

# THE CAPITAL GRID PROJECT: NETWORKED SYSTEM – WARD 2



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 will:





- Upgrade three existing substations in the District and Maryland
- Construct one new substation to serve areas projected to see high growth, when approved
- 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

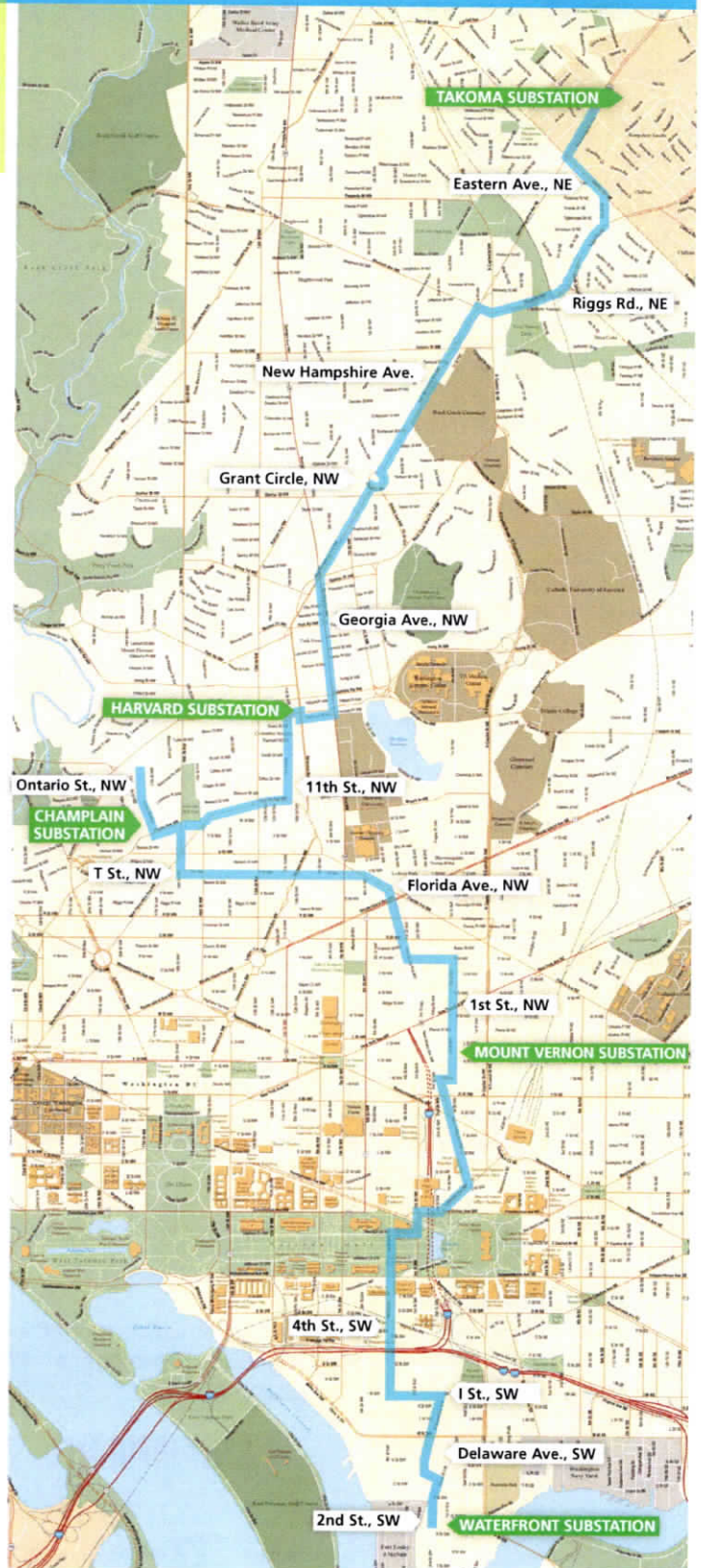
## Solar Energy Capacity for Customers Will Expand

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.

-  **Enhanced Service:** New infrastructure that will reduce the strain on surrounding areas, improving energy grid service
-  **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



Proposed Underground Transmission Route

Today, nearly all energy in the District is imported from outside the city. The construction of the Networked System will create the redundancy that we once had when electricity was generated in the District.

### Networked System Overview

The new 10-mile underground transmission line will connect the substations and create a networked system through which we deliver electricity to our customers. This line will allow power to be supplied through several pathways, so if one substation loses power, it will be able to regain it much quicker. This will make the energy grid more flexible and stronger to withstand storms and other emergencies

Project work will include constructing the underground cable in four phases that will ultimately connect the substations from Takoma to Harvard to Champlain to Mount Vernon to Waterfront.

### Networked System Schedule

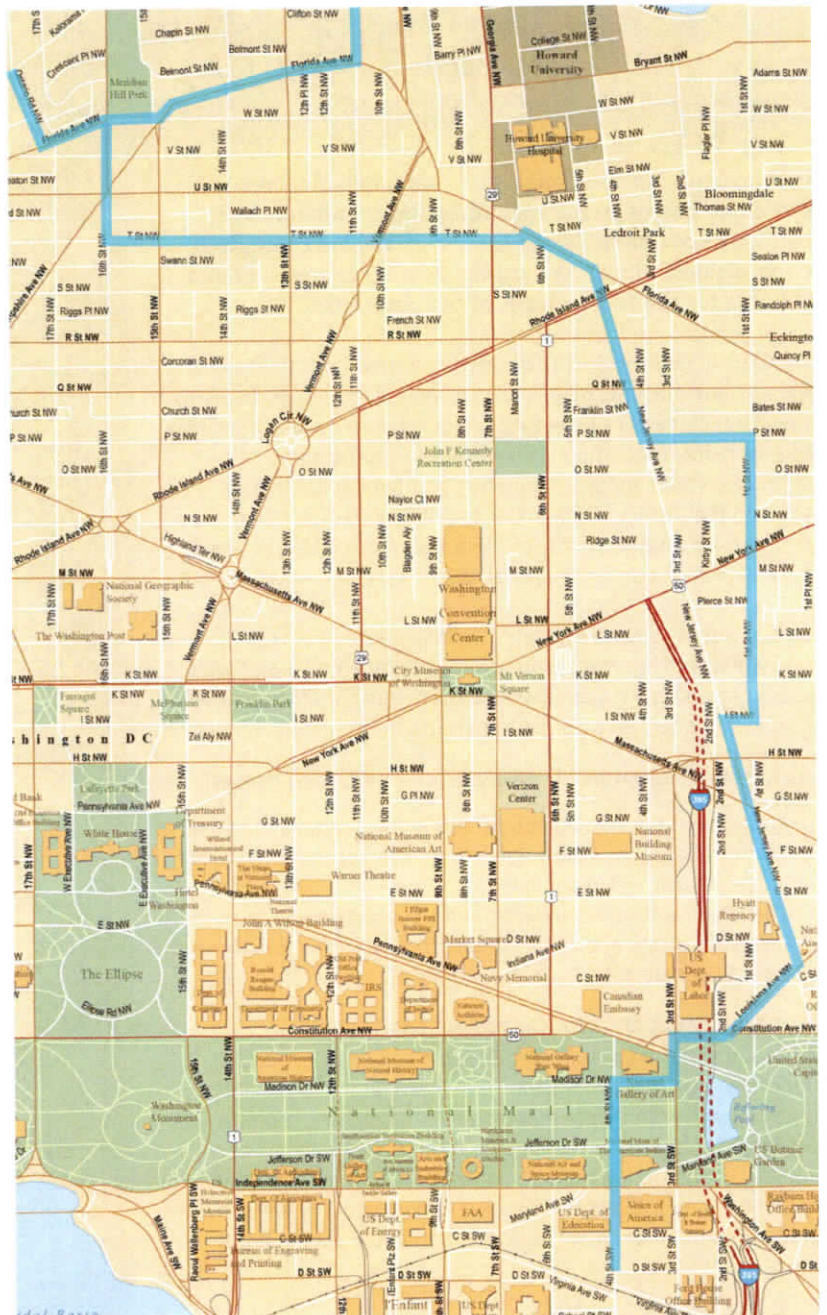
Our proposal must be reviewed by the Public Service Commission of the District of Columbia and the District of Columbia Board of Zoning Adjustment before the project may begin. The Public Service Commission and Board of Zoning Adjustment have approved several aspects of the project. We expect to start construction on the transmission line in 2020, and plan to complete it by 2022. 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 transmission line 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).



Ward 2 Close Up

**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).

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