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 electric system and planning for the future needs of our customers.

The Capital Grid project promotes enhanced reliability and strengthens our system. We take our commitment to customers seriously. Currently, all the energy supplied to the District is imported from outside of the city via radial or point-to-point transmission lines. Four corridors of transmission lines are supplying energy to the Capital region, including the District of Columbia, Prince George’s and Montgomery counties. Since we retired our power plants in the District, we rely on the transmission system to deliver energy that is generated outside of the city.

Aging transmission and substation infrastructure pose risks to the system. To strengthen our system, 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 networked system by installing new underground transmission lines

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 electric system service
• **Stronger Against Storms** – Enhancements that will lessen the impact and speed recovery from storms and other emergencies
• **Added Capacity** – A more robust system to handle energy needs, as the District experiences rapid residential and commercial development
• **Economy 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
At Pepco, we advance technologies that empower customers, promote sustainable solutions, and drive a 21st century economy. There is growing interest in customer-generated power such as rooftop solar. We continue to support customer-generated power by modernizing the system. The project will increase the grid’s capacity, expand the transmission network and upgrade equipment at substations. 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 capital and 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. If approved, we expect to start project construction in 2018, and to 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 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 system, 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 2018 – 2022.

- **Takoma Substation**: Upgrading the structure and equipment to improve performance and aesthetics and reduce the potential for outages. Anticipated timing 2018 – 2022.

- **Champlain Substation**: Upgrading the substation to replace its aging infrastructure and to increase its electrical load capacity. The substation’s facade will remain intact. Anticipated timing 2022 – 2026.

- **Harvard Substation**: Upgrading the substation to proactively replace aged equipment while accommodating new technology and increasing capacity. The original facade will be maintaining in accordance with its historic designation. Anticipated timing 2019 – 2022.

- **Mount Vernon Substation**: Building the new substation to provide power to the rapidly growing neighborhoods of Mount Vernon Triangle, NoMa, Northwest One and the surrounding communities. Anticipated timing 2019 – 2022.

Need More Information?
For additional information about the Capital Grid project please email [CapitalGrid@pepco.com](mailto:CapitalGrid@pepco.com), or join the conversation on social media using #CapGrid.