

THE CAPITAL GRID PROJECT



We are committed to delivering safe and reliable energy to our customers and communities in the District of Columbia and Maryland. Part of this commitment includes actively managing and maintaining the existing electric system and planning for the future needs of our customers.

The Capital Grid Project that we are proposing is an integrated solution that will strengthen the Capital area's electric system, promoting enhanced reliability and resiliency.

Through this Project, we are continuing our purposeful work, delivering on our promise to our customers, and acting on our commitment to continually drive our communities forward.

The Capital Grid Project will be a major investment in the Capital area through its three key initiatives:

- Upgrading three existing Pepco substations:
 - Takoma Substation
 - Harvard Substation
 - Champlain Substation
- Building a new substation in Mount Vernon Triangle
- Installing approximately 10 miles of underground transmission cable

Together, these components will make the entire Capital area power system more flexible, resilient and efficient, and less vulnerable to storms, equipment failures and other unexpected events that may cause outages.

Customers across the District of Columbia and in Maryland will benefit from the Capital Grid Project. There are four key benefits:

- **Enhances Reliability** – The Capital Grid Project will make our power system more equipped to weather the impact of unforeseen events such as storms, equipment failures, and other uncontrollable events. The new equipment will also help us meet the increasing demand for electricity.
- **Increases Resiliency** – The Capital Grid Project will create a more flexible and resilient power system. It will provide alternative paths for power delivery, further lessening the impact of outages.
- **Efficiency and Sustainability** – The Capital Grid Project will create a more efficient system and allow for more customer generated power, such as rooftop solar, to connect to the grid.
- **Enables Economic Development** – The Capital Grid Project will establish a strong, dynamic grid that can support the residential and business growth in the Capital area. In addition, we will expand procurement opportunities for minority, women, veteran and disabled contractors for jobs over the Project's lifespan.

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, or 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.

Capital Grid@pepco.com