

Our Work to Upgrade Reliability

State of Maryland Progress Results

(December 2011 Update)

1. Trimming Trees

Many of Pepco's recent outages are a direct result of trees falling on power lines. Pepco is aggressively trimming trees along public rights of way to obtain increased clearance between the overhead electric wires and existing trees. Pepco also will work with counties, communities and homeowners to remove potentially hazardous trees which fall outside of the company's right of way area.

1. We trimmed trees along 180 miles of power lines in Montgomery County and 71 miles in Prince George's County in December, bringing the annual total to a combined 1,748 miles.

2. Improving Priority Feeders

A feeder is an electric power line that distributes power to up to 1,100 customers within a specific geographic area. Each year, across Maryland, Pepco selects and replaces feeders that are performing poorly. As part of the Reliability Enhancement Plan, Pepco has expanded this program by 45 percent.

2. In December, work was completed on 11 projects in Montgomery County: Bethesda, Norbeck, Colesville, Kensington and Darnestown. Also, in the county, we continued work on projects in Chevy Chase, Darnestown, Takoma Park, Silver Spring, Bethesda, Germantown, Glen Echo, Cabin John, Fairland and Gaithersburg. In Montgomery County, we completed 37 of 47 projects year-to-date and will carry over ten projects in Chevy Chase, Silver Spring, Potomac, Bethesda, Takoma Park, Germantown, Sandy Spring and Wheaton in 2012. In Prince George's County, we completed work on projects in Clinton, Oxon Hill, Ft. Washington, District Heights and Riverdale. Work continued on projects in Upper Marlboro, Cheverly, and Piscataway. We have completed 21 of 31 projects.

3. Preparing for System Growth

Similar to upgrading electric service to your home to accommodate new appliances and electronic devices, Pepco is continuing to upgrade power lines and is adding circuits to accommodate new customers and support increased energy use by existing customers.

3. All projects slated for 2011 in Montgomery and Prince George's counties have been completed in this category.

4. Installing Advanced Technology

Pepco is installing advanced control systems that allow the electric system to identify problems and perform switching automatically. The technology will automatically isolate failed pieces of equipment and restore most of the affected customers within minutes of the failure.

4. We concluded work on the 15 remaining projects slated in Montgomery County for completion during 2011 in the following areas: Linden, Bethesda-Potomac-Quince Orchard-Wood Acres-Beverly Farms-Longwood, Viers Mill Rd.-Emory Grove-Norbeck-Rossmoor. In Prince George's County, we are making equipment upgrades to 31 feeders in the following areas: Livingston Rd.-Steed

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4. Installing Advanced Technology *(continued)*

Rd.-Gallahan Rd.-Walker Mill Rd., Kingswood-Oak Grove-Crain Highway-Central Ave.-Largo, and Tuxedo. We have completed 11 of 31 projects year-to-date and will carry over the remaining 20 projects into 2012.

5. Replacing Aging Infrastructure

Pepco has a long-standing project to replace underground cable in residential developments that for the most part was installed during the 1970s. This program replaces cable to prevent future failures and increases the reliability of the distribution system for customers supplied from the underground system.

5. In December, we replaced or renewed a combined 116,111 feet (22 miles) of cable in Prince George's and Montgomery counties. In total, replaced or renewed a combined 312 miles of cable during 2011. Work also was completed for Montgomery County in Karen Dr., Cinnamon Woods, Glen Oaks, West Side Dr., Gregorscroft and Comprint Ct. and work started in Walkers Choice, Strathmore at Bel Pre, Drews Ct., Gelding Ln., Copenhagen Dr. and Red Mill. In total, we have replaced or renewed 190 miles of cable year-to-date in Montgomery County. In Prince George's County, we completed work in Regency Park, Pickering, Ivy Bridge Rd., Good Luck Rd., and Boniwood. Additionally, we began work on Holton Ln., 37th Ave., Kenstan, Rollins Ln., Brooks and Riley, and in Brook Jane Manor. In total, we have replaced or renewed a 122 miles of cable year-to-date in the county.

6. Selective Undergrounding and Supply Line Enhancements

In areas where traditional modifications on the overhead system have not produced the desired results, Pepco will selectively replace the overhead system with an underground system. In addition, measures will be taken to further protect the high-voltage substation supply lines to reduce the number of outages. By increasing the reliability of the supply lines, Pepco increases the reliability of the substation, which in turn improves the performance of the 12 to 15 individual distribution feeders supplied by each substation.

6. Earlier this year, we determined that one feeder in Prince George's County met the undergrounding criteria. However, upon further evaluation, it was determined that tree trimming would eliminate the need for undergrounding. Also, in December, we continued supply line enhancement work on 1 of 11 critical 69,000-volt circuits in the county, all of which have been completed. We completed the clearing vegetation on one additional circuit within the county and have completed clearing on 11 projects year-to-date. In Montgomery County, we narrowed the list to two feeders meeting the undergrounding criteria and started an engineering evaluation. With regards to supply line enhancement, 18 projects were planned for 2011, all of which were completed. Corrective measures will continue in 2012. Also, we cleared vegetation on one circuit; 15 circuits were cleared during 2011.