

## Our Work to Upgrade Reliability

## Prince George's County 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 71 miles of power lines in the county in December, bringing the year-to-date total to 712 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 Prince George's County, 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 projects in the areas of Clinton, Riverdale, Ft. Washington, Oxon Hill, and District Heights. Work continued on projects in the areas of Upper Marlboro, Cheverly, and Piscataway. We completed 21 of 31 projects slated for completion in 2011 and will carry over ten projects in the areas of Oxon Hill, District Heights, Greenbelt, Largo, Clinton, Lanham, Ft. Washington, Temple Hills, and Hyattsville into 2012.

### 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. We completed the fourth and final project of the year in Largo during the end of the third quarter of 2011.

### 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 are making equipment upgrades to 31 feeders in the following areas: Livingston Rd.-Steed Rd.-Gallahan Rd.-Walker Mill Rd., Kingswood-Oak Grove-Crain Highway-Central Ave.-Largo, and Tuxedo. We completed 11 of 31 projects year-to-date and will carry over the remaining 20 projects into 2012.

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## 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 37,997 feet (seven miles) of cable in the county. Work was completed in the areas of Regency Park, Pickering, Ivy Bridge Rd., Good Luck Rd., and Boniwood. Additionally, Pepco began work on Holton Ln., 37th Ave., Kenstan, Rollins Ln., Brooks and Riley, and in Brook Jane Manor. Work continued in the areas of Oaklawn Rd., Blackberry Dr., Mt. Pisgah, Whiteholm, Rhodenda Ave., and on Peace Dr. We have replaced or renewed 122 miles of cable year-to-date.

## 6. Selective Undergrounding and Supply Line Enhancements

In areas where traditional modifications on the overhead system have not produced desired results, Pepco will selectively replace the overhead system with an underground system. In addition, measures will be taken to further protect 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 met the undergrounding criteria. However, upon further evaluation, it was determined that tree trimming would eliminate the need for undergrounding of that feeder. Also, in December, we completed the supply line enhancement work on 1 of 11 critical 69,000-volt circuits, all of which have been completed. We also completed the clearing of vegetation on one additional circuit; 11 projects were completed year-to-date.