

## Hurricane Isabel Situation Report: September 19, 2003

### HIGHLIGHTS

- Bush Declares Parts of N. Carolina Disaster Area Reuters Thursday, September 18, 2003; 4:28 PM
- Virginia has also been declared a disaster area by the President.

### OFFICE OF ENERGY ASSURANCE (EA)

- EA has established coordination with the Emergency Operations Center (EOC) and the Energy Information Administration and is supporting the EOC. The EOC is operating 24/7 starting September 18.
- DOE is in regular contact with FEMA.
- EA expects to staff Emergency Support Function 12 energy functions at two FEMA Disaster Field Offices established in North Carolina and Virginia.
- Contact has been made with state energy officials to ensure efficient communication and a secure internet forum as been established.
- Emergency Operations Centers have been established in the following states: NC, VA, MD, DE, PA, DC, and SC.

### ENERGY OUTAGES

#### 1. PEPCO (update 7:30 AM )

Power restoration efforts are under way. Record outages are recorded on the Pepco System. Overnight, Pepco was able to restore service to some customers, but some additional outages occurred as high winds continued. The following outages are reported on the Pepco system:

<b>Area</b>	<b>Customers Out</b>
District of Columbia	83,000
Montgomery County	218,000
Prince George's County	166,000
<b>Total</b>	<b>467,000 customers</b>

Crews began work at 2 a.m. and Pepco now has more than 700 crews, rotating in 12-hour shifts, in an around-the-clock restoration effort. Pepco personnel are conducting a damage assessment to determine how long the restoration process will take. We expect this information will be available later today

#### 2. Dominion Virginia Power/North Carolina Power

Customer Outage Summary as of 05:19 am EDT – 091903

<b>Area</b>	<b>Customers Out</b>
Northern Virginia	398,175

Shenandoah Valley/Western Piedmont	67,698
Richmond Metro/Tri Cities	413,415
Southside Virginia	46,442
Gloucester / Northern Neck	56,330
Tidewater	609,458
North Carolina	100,072
System Total	1,691,590

Hurricane Isabel continues to move inland, packing heavy rains and strong winds, causing widespread outages. Due to these extreme weather conditions, customer restorations will not begin until crews can safely enter the impacted areas and assess the damage. As a result, customer restoration times will not be immediately available until a thorough assessment is completed. Once the restoration begins to occur, customers can be assured that company crews will restore power as quickly as possible. Dominion also reports 53 transmission lines, mostly 115 and 230 kV, out of service.

### 3. DUKE POWER (5:00 am)

Duke Power customer outages peaked at 131,356 during the night. The current total is 98,245 customers without power in the following areas:

Area	Customers
Alamance County	10,466
Durham County	43,345
Guilford County	19,786
Orange County	15,696
Rockingham County	5,625
Caswell County	1,997

Crews worked throughout the night to restore electric service to 33,111 customers whose electric service was interrupted by Hurricane Isabel. Heavy rains and tropical force winds hampered restoration efforts and assessments on Thursday. Weather forecasts today are more favorable for damage evaluation and restoration. Estimated times of restoration will be made available as damage assessments are completed.

Duke Power focuses on restoration efforts in the following sequence, many of which occur simultaneously. This sequence enables power restoration to public health and safety facilities and to the greatest number of locations in the shortest length of time:

- Public safety related situations (e.g., de-energizing live lines);
- Emergency service facilities (e.g., hospitals, law enforcement, fire departments);
- Critical infrastructure (e.g., water and sewer facilities);
- Transmission lines and distribution substations are top restoration priorities because they are the “backbone” of the system and supply power to large numbers of customers over large geographic areas directly from generating plants.
- Distribution tap lines, which connect the backbone to individual locations (e.g., neighborhood lines);

- Distribution transformers and individual service lines until all customers are restored.

Approximately 1,500 people are working as quickly and safely as possible to return service to customers. Duke Power has not released any crews to assist other utilities at this time.

#### 4. **PROGRESS ENERGY (CP&L) (5:00 am)**

Progress Energy crews restored power to 175,000 of its customers overnight in the wake of Hurricane Isabel. As of 5:00 a.m., 145,000 Progress Energy customers are without power, down from a peak of 320,000 at 7:00 p.m. on Thursday.

Progress Energy has approximately 1,000 additional line & service and tree personnel mobilized for Isabel, bringing the total work force in the field to 1,700. This number does not include hundreds of damage assessors, staging and logistics personnel, as well as support staff working behind the scenes to assist with power restoration.

#### 5. **BGE (4:30 am)**

<b>By County</b>	<b>Total Customers</b>	<b>Customers Out</b>
Anne Arundel	211,000	158,000
Baltimore	343,000	180,000
Baltimore City	269,000	83,000
Calvert	7,000	5,000
Carroll	52,000	21,000
Harford	88,000	41,000
Howard	103,000	55,000
Montgomery	13,000	3,000
Prince George's	70,000	25,000
System Total	1,156,000	571,000

- Widespread power outages are still being reported.
- More than 3,000 personnel are prepared to respond early Friday morning - more than 400
- BGE crews; another 400 external crews arriving from Fla., Ala., Mich., Ohio, Ky., Miss., La., R.I., and Mass.
- BGE has established 3 regional command centers from which storm restoration efforts are being coordinated.

#### 6. **PECO**

About 100,000 PECO Energy customers are currently without service as power outages continue to mount from the severe winds and heavy rain sweeping through the Greater Philadelphia Region.

PECO crews continue to prepare for the worst from Hurricane Isabel, which already has left 1.4 million Dominion customers in Virginia and North Carolina without power. About 130,000 customers already have been restored; however, the effects of the hurricane are predicted to intensify throughout the night and early morning before the storm moves out of the region.

Throughout the evening, rainstorms are expected to cause 1 to 2 inches of accumulation, as well as flooding in some parts of the region. Strong winds are anticipated to range from 30 mph to 35 mph and gust up to 50 mph, according to the National Weather Service. The storm has already caused damage throughout PECO's service territory, resulting in numerous downed power lines. Chester, Montgomery and Delaware counties have been the hardest hit.

The outages by county as of 9:00 p.m. (09/19/03) are as follows:

Electric

Bucks County - 6,000

Chester County - 40,000

Delaware County - 20,000

Montgomery County - 30,000

Philadelphia County - 4,000

PECO has more than 1,500 employees and contractors working to restore power and activated its Emergency Response Center earlier today. Crews have been working around the clock on rotating extended shifts and will continue to do so until the last customer is restored. Restoration efforts will likely continue into the night and early morning.

## **PETROLEUM INDUSTRY INFORMATION**

Based on the most recent projected track of the storm, the only refinery expected to be significantly affected is Giant Yorktown Refining in Yorktown, Virginia.

Colonial Pipeline has shut down some spurs off its main pipeline that serve the Norfolk and Richmond markets. The pipeline company is also watching the spurs to BWI Airport and Dulles Airport.