



# ENERGY ASSURANCE DAILY

Monday Evening, September 10, 2012

## Major Developments

### Severe Thunderstorms Knock Out Power to More Than 300,000 Utility Customers in the Mid-Atlantic and Northeast Regions September 8

A severe thunderstorm system moved quickly through the Mid-Atlantic and Northeast regions late Saturday afternoon, bringing wind, hail, and heavy rain that downed trees and damaged power lines. Two tornadoes were confirmed to have touched down in New York City. At the storm's peak, more than 300,000 utility customers were without power. Dominion Virginia Power was hit hardest by the storm, with 115,000 of its customers losing power Saturday night. Dominion said the areas with the most damage were the western and northern sections of Fairfax County, City of Falls Church, and Arlington County. Fallen trees and limbs caused damage to wire, cross-arms, and poles. Utility companies were able to restore power to most affected customers by Monday morning. As of 3:00 p.m. Monday afternoon, nearly 7,000 customers remained without power.

Mid-Atlantic and Northeast Customer Power Outages			
September 8–10, 2012			
Electric Utility	State	Peak	Latest Reported
Delmarva Power (DE)	DE	591	30
Delaware Electric Cooperative	DE	3,333	0
PEPCO (DC)	DC	18,000	10
Baltimore Gas & Electric (BGE)	MD	24,200	71
PEPCO (MD)	MD	47,000	103
Southern Maryland Electric Cooperative (SMECO)	MD	1,039	0
Jersey Central Power & Light (First Energy)	NJ	8,000	1,247
Public Service Electricity & Gas (PSE&G)	NJ	9,000	2,250
Consolidated Edison	NY/CT	1,983	1,147
Niagra Mohawk Power Corp. (National Grid)	NY	21,336	833
New York State Electric & Gas (NYSEG)	NY	9,287	23
Orange and Rockland Utilities	NY	6,800	3
Central Hudson Gas & Electric Corp.	NY	15,000	313
PennPower / Penelec / MetEd (First Energy)	PA	6,389	521
PPL Electric Utilities	PA	14,551	131
Dominion Virginia Power	VA	115,000	212
<b>TOTAL*</b>		<b>301,509</b>	<b>6,894</b>

\*Total outages represent only electric utilities listed in this table.

Sources:

- <http://www.delmarva.com/home/emergency/maps/stormcenter/>
- <http://www.pepco.com/welcome/news/releases/archives/2012/article.aspx?cid=2137>
- <http://www.pepco.com/home/emergency/maps/stormcenter/>
- <http://www.bge.com/Article%20Documents/BGEStormResponse9812.pdf>
- <http://www.bge.com/customerservice/stormsoutages/currentoutages/pages/default.aspx>
- <http://liveblog.washingtonpost.com/2012/09/08/saturday-storms-in-the-d-c-area/>
- <http://outages.firstenergycorp.com/nj.html>
- [http://www.pseg.com/home/customer\\_service/outage\\_info/outagemap.jsp](http://www.pseg.com/home/customer_service/outage_info/outagemap.jsp)
- [http://www.nj.com/news/index.ssf/2012/09/thousands\\_of\\_nj\\_residents\\_with\\_1.html](http://www.nj.com/news/index.ssf/2012/09/thousands_of_nj_residents_with_1.html)
- [http://apps.coned.com/stormcenter\\_external/default.html](http://apps.coned.com/stormcenter_external/default.html)

<https://www1.nationalgridus.com/PowerOutageMap>  
[http://poststar.com/news/local/thousands-without-power-as-strong-storms-blow-through-region/article\\_b5e9f2d4-fa15-11e1-abdf-001a4bcf887a.html](http://poststar.com/news/local/thousands-without-power-as-strong-storms-blow-through-region/article_b5e9f2d4-fa15-11e1-abdf-001a4bcf887a.html)  
<http://www.nyseg.com/Outages/outageinformation.html>  
<http://outagemap.nyseg.com/ny/?style=newyork#>  
<http://www.lohud.com/article/20120908/NEWS/309080090/Tornado-watch-expires-hundreds-without-power-Westchester-Putnam>  
<http://www.recordonline.com/apps/pbcs.dll/article?AID=/20120909/NEWS/209090321>  
<http://www.oru.com/energyandsafety/storms/outagemapredirect/index.html>  
<http://www.poughkeepsiejournal.com/article/20120909/NEWS/309090034/Sun-today-after-strong-storm-hits-area?odyssey=tab%7Ctopnews%7Ctext%7CPoughkeepsieJournal.com>  
<http://stormcentral.cenhud.com/default.aspx>  
<http://www.recordonline.com/apps/pbcs.dll/article?AID=/20120909/NEWS/120909705>  
<https://www.aepohio.com/outages/Default.aspx>  
<http://outages.firstenergycorp.com/pa.html>  
<https://selfserv.plelectric.com/EUSelfServ/Outage/OutageMap.aspx>  
<https://www.dom.com/storm-center/index.jsp>  
<http://www.wtop.com/41/3027852/Hundreds-still-without-power-one-day-after-storm>  
<https://www.dom.com/storm-center/dominion-electric-outage-summary.jsp>  
[http://thedailynewsonline.com/myweather/article\\_4ede6fa8-f9e2-11e1-90df-001a4bcf887a.html](http://thedailynewsonline.com/myweather/article_4ede6fa8-f9e2-11e1-90df-001a4bcf887a.html)  
<http://vienna.patch.com/articles/storm-knocks-out-power-to-more-than-80-000-in-northern-virginia>

## **Electricity**

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### **Small Tornado, Storm Cuts Power to 90,000 Hydro-Quebec Customers in Southern Quebec September 8**

A small tornado that touched down in Drummondville, a town located about 60 miles northeast of Montreal, Saturday night was part of a storm that knocked out power to 90,000 Hydro-Quebec customers in Southern Quebec, according to reports. Hydro-Quebec had restored power to all but 11,000 customers by Sunday morning, and the utility expected to restore power to the remaining affected customers by Sunday night.

<http://montreal.ctvnews.ca/thousands-without-power-after-small-tornado-pounds-drummondville-1.948859>  
<http://www.cbc.ca/news/canada/montreal/story/2012/09/09/hydro-quebec-outages-storm.html>

### **Storms Cut Power to Nearly 62,000 Entergy Customers in Arkansas September 7**

High winds and lightning swept through Arkansas Friday night, knocking down trees and damaging power lines, according to local reports. Nearly 62,000 Entergy Arkansas customers were without power at the peak of the storm Friday night. As of 3:10 p.m. EDT Monday, 633 Entergy customers remained without power in Arkansas.

<http://viewoutage.entergy.com/ar.aspx>  
<http://www.todaysthv.com/news/article/225685/2/More-than-61K-without-power-as-of-1030-pm-Fri>  
<http://www.kuar.org/kuarnews/73439-most-power-restored-after-storm-leaves-61-000-in-the-dark.html>

### **TVA's 1,125 MW Watts Bar Nuclear Unit 1 in Tennessee Shut by September 10**

On the morning of September 9 the unit was operating at full power.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2012/>

### **Dynegy's 335 MW El Segundo Natural Gas-Fired Unit 3 in California Returns to Service by September 9**

The unit returned from an unplanned outage that began by September 8.

<http://content.caiso.com/unitstatus/data/unitstatus201209091515.html>  
<http://content.caiso.com/unitstatus/data/unitstatus201209081515.html>

### **Calpine's 525 MW Sutter Natural Gas-Fired Unit in California Returns to Service by September 8**

The unit returned from an unplanned curtailment of 250 MW that began by September 7.

<http://content.caiso.com/unitstatus/data/unitstatus201209081515.html>  
<http://content.caiso.com/unitstatus/data/unitstatus201209071515.html>

### **Update: Nearly 8 Percent of Daily Oil Production and 6 Percent of Daily Natural Gas Production in the Gulf of Mexico Remain Shut-In September 10 after Hurricane Isaac**

Offshore oil and gas operators in the Gulf of Mexico continue to restore production following Hurricane Isaac. The U.S. Bureau of Safety and Environmental Enforcement (BSEE) reported as of 11:30 a.m. CDT today, approximately 110,144 b/d (7.98 percent) of the current daily oil production in the Gulf of Mexico remains shut-in. It is also estimated that approximately 274.85 MMcf/d (6.11 percent) of the current daily natural gas production in the Gulf of Mexico remains shut-in. The remaining shut-in oil and gas production has been slow to return due to damage at onshore processing facilities, the BSEE said.

<http://www.bsee.gov/BSEE-Newsroom/Press-Releases/2012/Press09102012.aspx>

### **Update: FCCU, Alkylation Unit Shut Due to Mechanical Problem at Sunoco's 335,000 b/d Philadelphia, Pennsylvania Refinery September 4**

Sunoco Inc. reported that fluidic catalytic cracking unit (FCCU) No. 868 and alkylation unit No. 869 at the Point Breeze section of its Philadelphia refinery shut due to a mechanical problem last Tuesday, September 4, according to a filing with Philadelphia pollution regulators. Industry intelligence group Genscape had reported the FCCU resumed normal operation by Wednesday. In the filing with regulators, Sunoco also reported that it was restarting hydrodesulfurization unit No. 866 after a catalyst change out September 1.

Reuters, 15:56 September 7, 2012

### **BP Restarts Ultracracker at Its 455,790 b/d Texas City, Texas Refinery September 9 – Sources**

BP Plc restarted an ultracracker at its Texas City refinery on Sunday, according to sources familiar with refinery operations. The refinery reported an ultracracker tripped Thursday night, causing flaring at Flare 3 and the ultracracker flare, according to a filing with the Texas Commission on Environmental Quality. A company spokesman declined to discuss the refinery operations.

Reuters, 11:15 September 10, 2012

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=173226>

### **FCCU Returns to Normal Operation after Snag Leads to Flaring at Petrobras' 100,000 b/d Pasadena, Texas Refinery September 6**

Petrobras reported a fluidic catalytic cracking unit (FCCU) at its Pasadena refinery was brought back to normal operations Thursday after an unspecified process upset led to flaring for nearly three hours, according to a filing with the Texas Commission on Environmental Quality.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=173247>

### **Unspecified Process Upset Causes Emissions at Phillips 66's 146,000 b/d Borger, Texas Refinery September 6**

Phillips 66 reported an unspecified process upset at its Borger refinery Thursday evening led to emissions, according to a filing with the Texas Commission on Environmental Quality. Emissions continued until Friday, the filing said.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=173228>

### **Marathon Reports a Release of an Unknown Chemical into Atmosphere at Its 102,000 b/d Detroit, Michigan Refinery September 8**

Marathon Petroleum Corp. reported a release of an unknown chemical into the atmosphere was discovered at its Detroit refinery Saturday morning and was causing nausea, eye irritation, and breathing difficulty among local residents, according to a filing with the U.S. National Response Center. The company on Friday said it had begun shutting the entire refinery for a 70-day planned turnaround related to a heavy oil upgrade project.

Reuters, 00:11 September 10, 2012

[http://www.nrc.uscg.mil/reports/rwservlet?standard\\_web+inc\\_seq=1023794](http://www.nrc.uscg.mil/reports/rwservlet?standard_web+inc_seq=1023794)

### **Phillips Reports Sulfur Dioxide Release Due to Unplanned Flaring Event at Its 120,000 b/d Rodeo, California Refinery September 10**

Phillips 66 reported a sulfur dioxide release due to an unscheduled flaring event at its Rodeo, California Monday morning, according to a filing with the California Emergency Management Agency. The filing does not specify which unit was involved in the incident.

Reuters, 11:02 September 10, 2012

## Natural Gas

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### Destin Pipeline Terminates Force Majeure after Pascagoula Natural Gas Processing Plant Restarts Operations Post-Isaac

Destin Pipeline Co LLC on Friday terminated a force majeure it had declared due to Hurricane Isaac after the Pascagoula natural gas processing plant was expected to resume flow requirements from offshore Gulf of Mexico production. The 255-mile Destin natural gas pipeline system has the capacity to carry 1.2 Bcf/d of natural gas from the central Gulf of Mexico to the Mississippi plant.

Reuters, 15:27 September 7, 2012

### Spectra Energy Announces JV Project to Develop 4.2 Bcf/d Natural Gas Transportation System in British Columbia

Spectra Energy Corp. today announced a 50-50 joint venture with BG Group plc to develop plans for a new 4.2 Bcf/d, large-diameter natural gas transportation system that would extend approximately 850 kilometers from northeast British Columbia to BG Group's proposed liquefied natural gas (LNG) export facility in Prince Rupert, on the province's northwest coast. Spectra Energy will be responsible for construction and operation and BG Group has agreed to contract for all of the proposed capacity. The project also will connect with the Spectra Energy system at Station 2 (southwest of Fort St. John), a growing natural gas hub that collects supply from multiple areas of the province and other supply basins in Western Canada. The companies will work with local and federal stakeholders to develop the project, to include filing a project application with the B.C. Environmental Assessment Office. Based on the results of these efforts, project construction is currently expected to commence mid-decade, with service starting by the end of the decade.

<http://www.spectraenergy.com/Newsroom/News-Archive/Spectra-Energy-Corp-Announces-Project-Development-Agreement-with-BG-Group-for-New-Natural-Gas-Transp/>

## Other News

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Nothing to report

## International News

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### More Than 2 Million People in Havana, Elsewhere in Cuba Lose Power September 9; Government Offers No Explanation for Outage

<http://latino.foxnews.com/latino/news/2012/09/10/blackout-in-cuba-millions-without-power-in-havana/>

<http://www.cnn.com/2012/09/09/world/americas/cuba-power-outage/index.html>

## Energy Prices

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U.S. Oil and Gas Prices			
September 10, 2012			
	Today	Week Ago	Year Ago
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	95.98	95.46	89.05
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	2.73	2.72	3.99

Source: Reuters

## Links

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***This Week in Petroleum*** from the U.S. Energy Information Administration (EIA)

<http://www.eia.gov/oog/info/twip/twip.asp>

Updated every Wednesday.

***Weekly Petroleum Status Report*** from EIA

[http://www.eia.gov/oil\\_gas/petroleum/data\\_publications/weekly\\_petroleum\\_status\\_report/wpsr.html](http://www.eia.gov/oil_gas/petroleum/data_publications/weekly_petroleum_status_report/wpsr.html)

Updated after 10:30 AM and 1:00 PM Eastern Time every Wednesday.

***Natural Gas Weekly Update*** from EIA

<http://www.eia.gov/oog/info/ngw/ngupdate.asp>

Updated after 2:00 PM Eastern Time every Thursday.

### ENERGY ASSURANCE DAILY

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<http://www.oe.netl.doe.gov/ead.aspx>

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