



U.S. DEPARTMENT OF ENERGY
Office of Electricity Delivery and Energy Reliability
Infrastructure Security and Energy Restoration

ENERGY ASSURANCE DAILY

Friday Evening, October 01, 2010

Major Developments

Storms Knock Out Power to More than 368,000 Customers along U.S. East Coast

Storms cut power to an estimated 368,349 customers across 8 states and Washington, D.C. on September 30 – October 1, multiple company and news sources reported. About 76,682 customers remained without power, as of this afternoon. The following table lists peak and current outage figures, based on latest available data.

U.S. East Coast Customer Power Outages September 30 – October 1, 2010			
Electric Utility	State	Peak	Latest Reported
Baltimore Gas & Electric	MD	67,786	6,977
Pepco	MD/DC	11,615	2,022
Delmarva	MD	5,374	1,245
Progress Energy	NC	62,000	241
Duke Energy	NC	3,300	1,156
Long Island Power Authority	NY	30,000	1,460
Central Hudson Gas & Electric	NY	28,000	713
National Grid	NY	8,421	567
NYSEG	NY	5,200	5,200
Rochester Gas & Electric	NY	4,300	4,300
Consolidated Edison	NY	3,000	360
Connecticut Light & Power	CT	25,000	6,817
United Illuminating	CT	3,500	1,518
Dominion Virginia Power	VA	22,496	1,550
National Grid	MA	19,755	10,616
Western Massachusetts Electric	MA	3,000	66
NStar	MA	2,800	2,800
PSE&G	NJ	17,800	2,100
Atlantic City Electric	NJ	14,746	1,118
JCP&L	NJ	5,000	5,000
PECO	PA	16,000	13,000
Met-Ed	PA	5,400	4,000
PPL	PA	3,856	3,856
TOTAL*		368,349	76,682

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

Sources:

Baltimore Gas & Electric: <http://www.bge.com/portal/site/bge/menuitem.42d31413f80c584606370f10d66166a0/>

Pepco: <http://www.pepco.com/home/emergency/maps/stormcenter/>

Delmarva: <http://www.delmarva.com/home/emergency/maps/stormcenter/default.aspx>

Progress Energy: <http://progress-energy.com/shared/outages/car/default.aspx> ,
<http://www.wral.com/weather/story/8374761/>

Duke Energy: <http://www.duke-energy.com/north-carolina/outages/current.aspx#> ,
<http://www.wral.com/weather/story/8374761/>

Long Island Power Authority: <http://www.lipower.org/stormcenter/outages/outagemap.html> ,
<http://libn.com/blog/2010/10/01/storm-knocks-out-power-to-30000/>

Central Hudson Gas & Electric: <http://stormcentral.cenhud.com/default.aspx> ,
<http://www.poughkeepsiejournal.com/article/20101001/NEWS01/100930026/1006/news01/Flood-warning-issued-for-Dutchess--Ulster--trains-delayed> ,

<http://www.poughkeepsiejournal.com/article/20101001/NEWS01/100930026/1006/5-100-mid-Hudson-Central-Hudson-customers-still-without-power>
National Grid: <http://www1.nationalgridus.com/niagaramohawk/stormcenter/>
NYSEG: <http://www.lohud.com/article/20101001/NEWS01/10010370/-1/newsfront/Storm-moving-away-but-leaves-behind-flooded-roads--power-outages>
Rochester Gas & Electric: <http://www.nbcnewyork.com/news/local-beat/Tri-State-Residents-Cope-With-Deluge-Flooding-104141229.html>
Consolidated Edison: <http://apps.coned.com/weboutageinfo/stormcenter/default.aspx> ,
<http://www.lohud.com/article/20101001/NEWS01/10010370/-1/newsfront/Storm-moving-away-but-leaves-behind-flooded-roads--power-outages>
Connecticut Light & Power: <http://www.cl-p.com/outage/outagemap.aspx> ,
<http://www.wfsb.com/weather/25237371/detail.html>
United Illuminating: http://www.uinet.com/wps/PA_TownOutages/faces/jsp/TownOutageGraphPrint.jsp ,
<http://www.courant.com/news/weather/hc-weather-1002-20101001.0.885143.story>
Dominion Virginia Power: <http://www.dom.com/storm-center/dominion-electric-outage-summary.jsp>
National Grid: <http://www1.nationalgridus.com/masselectric/stormcenter/> ,
<http://wbztv.com/local/rain.weather.storm.2.1941902.html>
Western Massachusetts Electric: <http://www.wmeco.com/outage/outagemap.aspx> ,
http://www.boston.com/news/local/massachusetts/articles/2010/10/01/mass_is_line_for_downpours/
NStar: <http://www.thebostonchannel.com/r/25236448/detail.html>
PSE&G: http://www.pseg.com/home/customer_service/outage_info/outagemap.jsp ,
<http://today.msnbc.msn.com/id/39436685/ns/weather/> ,
<http://www.nytimes.com/2010/10/02/us/02storm.html?src=mv>
Atlantic City Electric: <http://www.atlanticcityelectric.com/home/emergency/maps/stormcenter/>
JCP&L: http://www.nj.com/news/index.ssf/2010/10/heavy_rains_pounding_nj_floodi.html ,
http://www.firstenergycorp.com/outages/outages.do?state_code=NJ
PECO: <http://www.peco.com/outagemap> ,
<http://www.pottstownmercury.com/articles/2010/10/01/news/doc4ca5eb63be70c526506493.txt>
Met-Ed: http://www.firstenergycorp.com/outages/outages.do?state_code=PA ,
http://www.yorkdispatch.com/news/ci_16222131
PPL: <http://www.pplelectric.com/Outage+Center> ,
<http://www.pottstownmercury.com/articles/2010/10/01/news/doc4ca5eb63be70c526506493.txt>

Electricity

Rocky Mountain Power Reports 28,000 Customers Briefly without Power in Wyoming September 30

The outage lasted just six minutes. It was not clear what caused the disruption.

http://billingsgazette.com/news/state-and-regional/wyoming/article_c27d6710-cd08-11df-b9d1-001cc4c03286.html

FirstEnergy's 821 MW Beaver Valley Nuclear Unit 1 in Pennsylvania Reduced to 60 Percent by October 1

The Nuclear Regulatory Commission reported that on the morning of September 30 the unit was operating at full power.

Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2010/>

Update: FPL's 839 MW Saint Lucie Nuclear Unit 2 in Florida at Full Power by October 1

The Nuclear Regulatory Commission reported that on the morning of September 30 the unit was operating at 85 percent.

Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2010/>

Update: Elk Hills Power's 552 MW Elk Hills Gas-Fired Unit in California Returns to Service by September 30

According to the California Independent System Operator, the unit reported a return from an unplanned outage.

<http://www.caiso.com/unitstatus/data/unitstatus201009301515.html>

Calpine's 751 MW Pastoria Gas-Fired Unit in California Reduced by September 30

According to the California Independent System Operator, the unit reported an unplanned curtailment of 276 MW by September 30.

<http://www.caiso.com/unitstatus/data/unitstatus201009301515.html>

Pepco to Begin Installing Smart Meters in Washington D.C. in October 2010

Pepco plans to install smart meters for all of its customers in Washington, D.C.; the company expects to complete the installations at the end of 2011.

<http://www.pepco.com/welcome/news/releases/archives/2010/article.aspx?cid=1545>

New York State Could Feasibly Boost Wind Power Capacity More than Five-Fold by 2018: NYISO

New York could theoretically increase its wind power capacity to 8,000 MW by 2018, from 1,275 MW at present, the New York Independent System Operator said in a report, "Growing Wind: NYISO 2010 Wind Generation Study." The study found that any operational requirements associated with integrating sufficient wind generation could be addressed, paving the way for the fulfillment of New York State's goal of having 30 percent of the state's electricity supplied by renewable resources by 2015. NYISO has received applications for more than 7,000 MW of proposed wind projects.

http://www.nyiso.com/public/webdocs/newsroom/press_releases/2010/New_York_Grid_Ready_for_More_Wind_093010.pdf

Petroleum

Update: Enbridge to Operate 290,000 b/d, 30-Inch, Indiana-to-Ontario Lakehead System Line 6B at Reduced Capacity for Foreseeable Future

Enbridge expects to run its 290,000 b/d, 30-inch, Indiana-to-Ontario Lakehead System Line 6B at 15 percent reduced pressure – or about 45,000 b/d below capacity – for the foreseeable future as it complies with a regulator-approved restart plan, a company official said on September 30. Operators shut the line in late-July after it ruptured and spilled about 19,000 barrels of crude oil into a creek near the company's Marshall, Michigan pump station. Last week, the U.S. Department of Transportation's (DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA) authorized Enbridge to gradually restart the line, and Enbridge began that process early this week. Prior to the July shutdown, the line had been delivering 190,000 b/d of crude. Consequently, numerous news and company sources referred to the line's capacity as 190,000 b/d. In fact, the line can transport 290,000 b/d, but was operating at reduced rates due to storage limitations. Separately, Enbridge's President and CEO said on September 30 that the company had completed the primary clean-up, related to the spill, along Talmadge Creek and the Kalamazoo River; he said the company was moving into a restoration and maintenance phase.

<http://www.calgaryherald.com/Pipeline+lower+capacity/3606989/story.html>

<http://www.calgaryherald.com/news/Enbridge+resumes+Line+flow+reduced+pressure/3592965/story.html>

<http://response.enbridgeus.com/response/main.aspx?id=13376>

Tesoro Shuts FCC at 166,000 b/d Martinez, California Refinery September 30

Tesoro shut a gasoline-making fluid catalytic cracking unit (FCC) at its 166,000 b/d Martinez, California refinery on September 30, trade and industry sources said. The unit was expected to remain down for approximately one week, according to the sources.

<http://af.reuters.com/article/energyOilNews/idAFWEN062820101001>

Power Outage Disrupts Operations at Sinclair's 24,500 b/d Evansville, Wyoming Refinery

The incident led to flaring, but the power outage lasted just six minutes. It was not clear if there was any impact on production.

http://billingsgazette.com/news/state-and-regional/wyoming/article_c27d6710-cd08-11df-b9d1-001cc4c03286.html

Hovensa Restarting 145,000 b/d FCC at 500,000 b/d St. Croix, U.S. Virgin Islands Refinery October 1

Hovensa planned to bring online a 145,000 b/d gasoline-producing fluid catalytic cracking unit (FCC) on October 1 at its 500,000 b/d St. Croix, U.S. Virgin Islands refinery, but the company expected the unit to run at reduced rates for about two weeks "while repairs are completed," a spokesman said. It was not clear when the unit went offline. Reuters, 10:24 October 1, 2010

Update: Mexico Restarts Cayo Arcas Oil Port in Gulf of Mexico September 30

Bad weather forced offline Mexico's 1,006,000 b/d Cayo Arcas and 113,000 b/d Dos Bocas oil ports in the Gulf of Mexico on September 28, but the nation reopened both facilities on September 30.

Reuters, 17:19 September 30, 2010

Reuters, 11:32 September 30, 2010

Shell to Boost Heavy Oil Production by at Least 100,000 b/d over Next 10 Years in Americas

Shell plans to increase its heavy oil production in the Americas by at least 100,000 b/d over the next ten years, from approximately 170,000 boe/d in 2009, a company official said. The company is considering plans to pursue an 80,000 b/d project – Carmon Creek – in Alberta, Canada; along with Chevron and Marathon, Shell is also exploring whether to expand production by approximately 85,000 b/d at the jointly-owned Athabasca Oil Sands Project in Alberta, Canada.

<http://www.bloomberg.com/news/2010-10-01/shell-to-raise-americas-heavy-oil-output-60-through-2020.html>

Pipe Leak Cuts Indonesian Oil Production by 150,000 b/d

A gas pipeline leak disrupted operations at Chevron's Minas and Duri fields in Indonesia by October 1, reducing Indonesian oil production by 150,000 b/d, officials said. Chevron and the nation were jointly producing just 80,000 b/d of Sumatran light crude, compared to 180,000 b/d normally; they were producing just 150,000 b/d of Duri crude, compared to 200,000 b/d normally, according to government officials. The leak was expected to be fixed in 3 days.

<http://af.reuters.com/article/energyOilNews/idAFJAK47310220101001>

<http://www.bloomberg.com/news/2010-10-01/indonesia-oil-output-may-drop-150-000-barrels-a-day-on-leakage.html>

Update: Striking Workers Continue to Disrupt Terminal Operations and Threaten Refinery Production in France October 1

Striking workers were keeping 39 ships – including 13 refined oil tankers, 11 crude oil tankers – from offloading at the Fos-Lavera oil terminal in France by October 1, according to a port official.

Reuters, 10:39 October 1, 2010

Natural Gas

Chevron Requests DOE Okay to Re-Export as Much as 72 Bcf of LNG from Sabine Pass Terminal in Louisiana

Chevron Corp applied to the U.S. Department of Energy (DOE) for permission to re-export as much as 72 Bcf of foreign-derived LNG over two years from the Sabine Pass terminal in Louisiana, according to a recent filing. Cheniere Energy, the terminal's operator, has already received authorization to re-export LNG.

Reuters, 14:06 September 30, 2010

Other News

Citing Costs, Market Conditions, CONSOL Energy to Shut Coal Mines in Utah and Pennsylvania

CONSOL Energy plans to shut its 3.6 million ton/year Mine 84 coal mine in southwestern Pennsylvania and its 1.0 million ton/year Emery coal mine near Price, Utah, the company said on October 1, citing market conditions and cost concerns. The Emery closure appeared to be temporary, but CONSOL said it did not know when it might resume operations. The Mine 84 shutdown, however, appeared to be permanent.

<http://phx.corporate-ir.net/phoenix.zhtml?c=66439&p=irol-newsArticle&ID=1478068&highlight=>

<http://phx.corporate-ir.net/phoenix.zhtml?c=66439&p=irol-newsArticle&ID=1478073&highlight=>

<http://www.consolenergy.com/Powering/MapofMines.aspx>

Energy Prices

U.S. Oil and Gas Prices October 1, 2010			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	81.13	74.55	69.73
NATURAL GAS Henry Hub \$/Million Btu	3.85	4.08	3.25

Source: Reuters

Energy Notes

Truck Knocks Over Power Lines, Cuts Electricity Briefly to about 10,000 WE Energies Customers in Wisconsin September 30

<http://www.wisn.com/r/25231546/detail.html>

Winds Knock over Transmission Lines, Disrupting Amtrak Train Service during Rush Hour in Massachusetts September 30

http://www.boston.com/news/local/massachusetts/articles/2010/10/01/downed_power_line_delays_train_service/

TransAlta to Open 18 MW Bone Creek Hydro Power Project in British Columbia in 2011

<http://finance.yahoo.com/news/Update-on-Flooding-at-iw-1519078931.html?x=0&.v=1>

Enbridge Opens 60 MW Expansion at Former 20 MW Sarnia Solar Power Facility in Ontario by September 30

<http://sunpluggers.com/news/worlds-largest-solar-pv-power-plant-now-operating-in-ontario-canada-0989>

Progress Energy Fixes Breach after Pit Spills about 10 Cubic Yards of Coal Ash near Company's 604 MW Sutton Coal-Fired Power Plant

<http://blogs.newsobserver.com/business/progress-energy-plugs-leak-at-rain-soaked-coal-ash-pit>

<http://progress-energy.com/aboutenergy/powerplants/steam.asp>

Update: Oregon State Researchers Discover Elevated Levels of Cancer-Causing Carcinogens in Water Impacted by Deepwater Horizon Oil Spill in Gulf of Mexico

<http://www.reuters.com/article/idUSTRE68T6FS20100930>

Update: Scientists Find Oil 3,200 Feet below Surface and As Far as 300 Miles from Site of Deepwater Horizon Spill in Gulf of Mexico

DJN, 09:39 October 1, 2010

Update: After Deepwater Horizon Spill, NOAA Reopens More than 5,000 Square Miles in the Gulf of Mexico to Fishing October 1 - 89 Percent of Federal Waters Now Open

http://www.noaanews.noaa.gov/stories2010/20101001_reopening.html

CVR Sees No Impact to Refinery Operations after Explosion at Nitrogen Fertilizer Plant near 120,000 b/d Refinery in Coffeyville, Kansas September 30

<http://www.bloomberg.com/news/2010-10-01/cvr-s-nitrogen-fertilizer-plant-in-kentucky-reports-explosion-yesterday.html>

**Explosion along Leaking Natural Gas Pipeline Kills City Worker in Cairo, Georgia
September 28**

<http://www.walb.com/Global/story.asp?S=13240320>

Total, Shell, Statoil, and Eni Commit to Abandon Investments in Iran

http://www.rigzone.com/news/article.asp?a_id=99497

**Hydraulic Fracturing Could Allow Energy Companies to Produce 15 Billion Barrels of
Otherwise-Unrecoverable Reserves in Canada**

<http://resourceinvestingnews.com/8032-increased-gas-opportunities-for-western-canada.html>

Small Oil Leak Leads to Upset at Aker Gas Plant in Texas September 30

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=145557>

Compressor Shuts, Restarts at Waha Gas Plant in Texas September 30 – October 1

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=145551>

**State DEP Wants Cabot Oil & Gas to Pay for 12.5-Mile Water Pipeline in Pennsylvania –
Line Would Serve Homes Whose Wells were Contaminated by Natural Gas Drilling**

<http://www.stargazette.com/article/20100930/NEWS01/9300412/Pa.+insists+Cabot+pay+for++11.8M+water+pipeline+for+Dimock+residents>

Links

This Week in Petroleum from the Energy Information Administration (EIA)

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

Updated every Wednesday.

Weekly Petroleum Status Report from EIA

http://www.eia.doe.gov/oil_gas/petroleum/data_publications/weekly_petroleum_status_report/wpsr.html

Updated after 10:30 AM & 1:00 PM EST every Wednesday.

Natural Gas Weekly Update from EIA

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

Updated after 2:00 PM EST every Thursday.

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

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