



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

# ENERGY ASSURANCE DAILY

Tuesday Evening, April 05, 2011

## Major Developments

### Storms Batter U.S. South, Knocking Out Power to Nearly 1,200,000 Customers April 4-5

Thunderstorms swept across the southern U.S. overnight, killing at least seven people and knocking out power to about 1.2 million customers. Utilities in numerous states reported power disruptions, but the following table lists only those states where 10,000 or more customers lost electricity.

U.S. South Storm Customer Power Outages			
April 4 – April 5, 2011			
Electric Utility	State	Peak	Latest Reported
Duke Energy	NC/SC	220,000+	23,647
Progress Energy	NC	118,064	3,578
EnergyUnited	NC	16,000	8,900
Union Power Cooperative	NC	5,300	256
Progress Energy	SC	17,736	487
Georgia Power	GA	215,000	118,000
Georgia EMC	GA	119,837	81,283
Alabama Power	AL	85,000	35,000
Wiregrass Electric Cooperative	AL	7,000	3,500
Decatur Utilities**	AL	1,367	500
Nashville Electric Service	TN	73,000	8,206
MLGW	TN	63,500	20,000
Dickson Electric	TN	13,000	6,000
Entergy	LA	57,426	5,582
CLECO	LA	10,000	81
Washington-St. Tammany Electric Coop	LA	7,000	7,000
Entergy	MS	22,327	1,482
Entergy	AR	12,317	1,604
AEP SWEPSCO	AR/LA/TX	5,000	288
Appalachian Power	WV/VA	50,000	24,325
Dominion Virginia Power	VA	15,000	1,581
Progress Energy	FL	11,989	11,332
Florida Power & Light	FL	11,000+	8,000+
Talquin Electric Cooperative	FL	9,600	6,794
Gulf Power	FL	8,600	8,600
City of Tallahassee	FL	8,500	8,500
West Florida Electric Cooperative	FL	5,000	2,500
Tampa Electric	FL	4,275	2,136
<b>TOTAL ***</b>		<b>1,192,838</b>	<b>399,162</b>

\* Estimated.

\*\* According to news reports, “most” outages were restored.

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

Sources:

<http://www.nytimes.com/2011/04/06/us/06storms.html>

Duke Energy: <http://www.duke-energy.com/south-carolina/outages/current.asp>,

<http://twitter.com/#!/DukeEnergyStorm/status/55321405746724864>

Progress Energy: <http://www.progress-energy.com/shared/outages/car/index.html>

EnergyUnited: <http://www.salisburypost.com/News/040511-WEB-EnergyUnited-qcd>

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Union Power Cooperative: <http://www.charlotteobserver.com/2011/04/05/2198982/storms-batter-area-down-trees.html>

Georgia Power: <http://www2.wsav.com/news/2011/apr/05/storms-knock-out-power-around-georgia-ar-1674680/>, <http://www.ajc.com/news/atlanta/tens-of-thousands-still-899284.html>, <http://www.gpb.org/news/2011/04/04/storms-kill-6-cut-power-to-thousands>

Georgia EMC: <http://www.georgiaemc.com/stormcentral/outagesbyregion.aspx>, <http://www.gpb.org/news/2011/04/04/storms-kill-6-cut-power-to-thousands>

Alabama Power: <http://twitter.com/alabamapower/>

Wiregrass Electric Cooperative: [http://www.wiregrass.coop/wecNewsroom/newsDetail/11-04-05/Wiregrass Electric working to restore power following storm.aspx](http://www.wiregrass.coop/wecNewsroom/newsDetail/11-04-05/Wiregrass%20Electric%20working%20to%20restore%20power%20following%20storm.aspx)

Decatur Utilities: <http://decaturdaily.com/stories/Storm-strikes-Decatur.77679>

Nashville Electric Service: <http://www.nespower.com/OutageMap/default.aspx> , <http://nashvillecitypaper.com/content/city-news/nashville-electric-service-reports-60000-customers-without-power>

MLGW: [http://www.mlwg.com/SubView.php?key=about\\_newsreleases&chunkid=365](http://www.mlwg.com/SubView.php?key=about_newsreleases&chunkid=365) , [http://www.mlwg.com/SubView.php?key=about\\_newsreleases&chunkid=366](http://www.mlwg.com/SubView.php?key=about_newsreleases&chunkid=366)

Dickson Electric: <http://www.newschannel5.com/story/14377665/damage-widespread-after-strong-storms-hit-mid-state>

Entergy: <http://www.entergy-louisiana.com/outages/la.aspx>, <http://entergy-mississippi.com/outages/ms.aspx> , <http://entergy-arkansas.com/outages/ar.aspx>

Washington-St. Tammany Electric Coop: [http://www.nola.com/weather/index.ssf/2011/04/bad\\_weather\\_leaves\\_thousands\\_w.html](http://www.nola.com/weather/index.ssf/2011/04/bad_weather_leaves_thousands_w.html)

CLECO: <http://www.cleco.com/omsmapi/>, [http://www.nola.com/weather/index.ssf/2011/04/bad\\_weather\\_leaves\\_thousands\\_w.html](http://www.nola.com/weather/index.ssf/2011/04/bad_weather_leaves_thousands_w.html)

AEP SWEPSCO: <https://www.swepco.com/outages/>, <http://www.ksla.com/Global/story.asp?S=14378446>

Appalachian Power: [https://www.appalachianpower.com/outages/details.aspx?stormName=April 4 Spring Wind/Rain Storm](https://www.appalachianpower.com/outages/details.aspx?stormName=April%204%20Spring%20Wind%20Rain%20Storm)

Dominion Virginia Power: <http://www.dom.com/storm-center/dominion-electric-outage-summary.jsp> , <http://www.wric.com/Global/story.asp?S=14383839>, <http://www.dom.com/storm-center/dominion-electric-outage-map.jsp>

Progress Energy (Florida): <http://www.progress-energy.com/shared/outages/fla/index.html>

Florida Power & Light: <http://www.floridatoday.com/article/20110330/BREAKINGNEWS/110330006/11-000-lost-power-after-severe-thunderstorms-Brevard>

Talquin Electric Cooperative: <http://www.talquinelectric.com/news/newsdetail.aspx?itemID=58> , <http://www.outageentry.com/dvOSM/dvOSM2.php?Client=talq> , <http://www.wctv.tv/home/headlines/119235289.html>

Gulf Power: <http://www.pnj.com/article/20110405/NEWS01/110405003/1006/Storms-damage-Santa-Rosa-County>

City of Tallahassee: <http://www.talgov.com/communications/newsdetail.cfm?id=2862>

West Florida Electric Cooperative: <http://www.wctv.tv/home/headlines/119235289.html>

Tampa Electric: <http://www.tampaelectric.com/outagemap/>

## ***Electricity***

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### **Duke Energy's 1,100 MW McGuire Nuclear Unit 2 in North Carolina Ramped Up to 10 Percent by April 5**

The Nuclear Regulatory Commission reported that on the morning of April 4 the unit was not operating. Information derived from the NRC Power Reactor Status Reports: <http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2011/>

### **Update: FPL's 839 MW Saint Lucie Nuclear Unit 1 in Florida Ramped Up to 92 Percent by April 5**

The Nuclear Regulatory Commission reported that on the morning of April 4 the unit was operating at 80 percent. Information derived from the NRC Power Reactor Status Reports: <http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2011/>

### **AES's 175 MW Alamosa Gas-Fired Unit 1 in California Shut by April 4**

According to the California Independent System Operator, the unit reported an unplanned outage by April 4. <http://www.caiso.com/unitstatus/data/unitstatus201104041515.html>

## **Pattern Energy Group Completes 138 MW St. Joseph Wind Farm in Manitoba April 5**

The wind farm is now completely operational. It is the largest wind farm in Manitoba.

<http://www.prnewswire.com/news-releases/pattern-energy-completes-manitobas-largest-wind-farm-119243374.html>

## **Update: Operators Retract April 4 NRC Notification Regarding Sirens at Wolf Creek Nuclear's 1,165 MW Wolf Creek Nuclear Unit in Kansas April 5**

On April 4, operators of the Wolf Creek Nuclear Unit filed a report with the Nuclear Regulatory Commission (NRC) that three of the 11 emergency notification sirens became non-functional when a severe thunderstorm passed through the area. This filing was subsequently retracted on April 5 when it was determined that the sirens in question were in fact powered by backup batteries during the event. Therefore, the event was not reportable.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2011/20110404en.html>

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2011/20110405en.html>

## ***Petroleum***

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### **Update: Oil Production Restarts in Gabon as Four-Day Labor Strike Ends by April 5**

Total, Tullow Oil, Royal Dutch Shell, and VAALCO are all resuming crude production in Gabon. Total and VAALCO expect production levels to be fully restored by the end of April 5. Total produced 67,000 boe/d last year in Gabon, while VAALCO typically produces 23,500 b/d of oil at the Etame Marin block offshore. It was not clear whether Shell and Tullow would also fully restore operations by the end of the day. Shell produced 34,000 b/d of oil and natural gas liquids in Gabon last year, and Tullow typically produces 12,850 b/d.

<http://www.bloomberg.com/news/2011-04-05/total-tullow-resume-oil-production-in-gabon-after-strike-ends.html>

<http://www.prnewswire.com/news-releases/vaalco-energy-expects-to-resume-full-production-in-gabon-within-24-hours-119215544.html>

### **Iraq Seeks Assistance from Botas to Help Repair Iraqi Section of Unused 40-Inch, 600-Mile Kirkuk, Iraq-to-Ceyhan, Turkey Crude Export Pipeline**

The pipeline has not been used since the United Nations imposed oil sanctions on Iraq in 1990. Iraq currently exports about 600,000 b/d through a different 46-inch, 600-mile Kirkuk-to-Ceyhan pipeline.

<http://www.bloomberg.com/news/2011-04-04/iraq-seeks-turkish-help-to-repair-unused-oil-pipeline-star-says.html>

### **Update: Dynacom Tankers Management's "Equator" Tanker Docks at Rebel-Held Port in Libya as Libyan-Owned Ship Docks at Government-Controlled Port April 5**

According to news reports, the Equator arrived at Marsa el Hariga port with no cargo. The tanker is Liberian-registered and Greek-operated, and is believed to have a capacity of 1 million barrels of oil. Separately, a Libyan-owned ship carrying a cargo of imported fuel arrived at port controlled by the government on April 5.

<http://af.reuters.com/article/commoditiesNews/idAFLDE73416W20110405>

## ***Natural Gas***

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Nothing to report.

## ***Other News***

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### **Update: Tepco Reduces Flow of Highly Radioactive Water into Ocean from Earthquake and Tsunami-Stricken Fukushima Daiichi Nuclear Plant April 5**

Tokyo Electric Power (Tepco) said that the amount of radioactive water flowing from Fukushima Daiichi's reactor 2 has been reduced. Earlier, operators attempted to use a mixture of newspaper, sawdust, and concrete to reduce the flow.

<http://au.news.yahoo.com/thewest/a/-/world/9141745/japan-plant-operator-says-may-have-slowed-radioactive-leak/>

## Energy Prices

U.S. Oil and Gas Prices April 5, 2011			
	Today	Week Ago	Year Ago
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	107.35	104.14	86.52
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	4.21	4.35	3.72

Source: Reuters

## Energy Notes

**ConocoPhillips Considering Additional Short-Term Exports to Japanese Utilities from Kenai LNG Plant in Alaska – Company Still Plans to Mothball the Plant in Spring, 2011**

[http://www.downstreamtoday.com/news/article.aspx?a\\_id=26245](http://www.downstreamtoday.com/news/article.aspx?a_id=26245)

**Millenium Pipeline Holding Binding Open Season from April 1 through April 15 to Support Natural Gas Pipeline Expansions**

[http://www.millenniumpipeline.com/news\\_04\\_01\\_11.htm](http://www.millenniumpipeline.com/news_04_01_11.htm)

**Targa Resources has Compressor Problem at Downstream Facility in Texas**

<http://www11.tceq.state.tx.us/oce/eeer/index.cfm?fuseaction=main.getDetails&target=152801>

## 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](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.

### ENERGY ASSURANCE DAILY

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

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