



# ENERGY ASSURANCE DAILY

Friday Evening, June 03, 2011

## Electricity

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### **Thunderstorms Cause About 50,000 Customer Outages in South Carolina June 2**

Strong gusty winds slammed the central portion of the state Thursday night as SCE&G reported that 49,317 households lost power at one point during the night. SCG&E currently reports 11,437 customer outages as of Friday at 4:30 pm. Duke Energy reports 138 outages as of Friday at 4:30 pm.

SCE&G: <http://www.sceg.com/en/storm-center/outage-map/>

Duke Energy: <http://www.duke-energy.com/north-carolina/outages/current.asp#outagedata>

<http://news.gather.com/viewArticle.action?articleId=281474979401421>

<http://www.abcnews4.com/story/14831593/thousands-without-power-following-sc-thunderstorms>

### **Update: National Grid Continues to Restore Power to Customers June 3 After Deadly Tornadoes Cause About 42,000 Outages in Massachusetts June 1**

National Grid reported approximately 8,000 customers remain without power as of 4:00 pm Friday, down from 24,578 reported as of 5:00 p.m. Thursday. The company reports that at the peak, approximately 42,000 customers were without power. Restoration will take multiple days as some power lines are in remote areas and some portions of the electric system sustained severe damage. The company indicates the majority of customers should be restored by midnight tonight.

National Grid: <http://www1.nationalgridus.com/masselectric/stormcenter/>

<https://www.nationalgridus.com/outagecentral.asp>

<http://www.thebostonchannel.com/r/28118232/detail.html>

### **Update: Exelon's 1,134 MW Limerick Nuclear Unit 2 in Pennsylvania Ramped Up to 90 Percent by June 3**

According to a May 29 filing with the Nuclear Regulatory Commission (NRC), the unit likely scrambled from 75 percent power due to "a low pressure condition in the EHC [Electro Hydraulic Control] system." According to another filing with the NRC, operators manually scrambled the unit from 0 percent power on May 30 "when both the '2A' and '2B' Recirculation Pumps tripped." The cause of the trip, as the unit was about to startup, is under investigation. The Nuclear Regulatory Commission (NRC) reported that on the morning of June 2 the unit was operating at 20 percent.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2011/20110531en.html>

Information also derived from the NRC Power Reactor Status Reports:

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

### **Update: TVA's 1,118 MW Browns Ferry Nuclear Unit 3 in Alabama Ramped Up to 99 Percent by June 3**

All three units at the Tennessee Valley Authority (TVA) plant were shut on April 27 after losing outside power due to thunderstorms and tornadoes. Units 1 and 2 have already restarted. The Nuclear Regulatory Commission reported that on the morning of June 2 unit 3 was operating at 40 percent.

Information derived from the NRC Power Reactor Status Reports:

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

### **Update: Duke Energy's 846 MW Oconee Nuclear Unit 2 in South Carolina Ramped Up to 99 Percent by June 3**

The Nuclear Regulatory Commission reported that on the morning of June 2 the unit was operating at 20 percent.

Information derived from the NRC Power Reactor Status Reports:

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

### **Exelon's 1,161 MW Braidwood Nuclear Unit 1 in Illinois Reduced to 85 Percent by June 3**

The Nuclear Regulatory Commission reported that on the morning of June 2 the unit was operating at 99 percent. Information derived from the NRC Power Reactor Status Reports:

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

### **Update: Entegra Power Group's 291 MW Gila River Dynamic Resource Gas-Fired Unit in Arizona Returns to Service by June 2**

According to the California Independent System Operator, the unit reported an unplanned outage on June 1.

<http://www.caiso.com/unitstatus/data/unitstatus201106021515.html>

### **NRC Agrees to Delay Processing the License Renewal of Reactors at PG&E's 1,150 MW Diablo Canyon Nuclear Plant in California June 3**

Regulators permitted the delay in order to give the company additional time to conduct a seismic study. PG&E filed with the U.S. Nuclear Regulatory Commission (NRC) for a 20-year renewal of the reactor licenses in November 2009.

<http://www.reuters.com/article/2011/06/01/utilities-pge-diablo-idUSN0111573220110601>

### **Electrostatic Precipitator and Transformer Rectifier Trip Causes Emissions at TXU's 1,980 MW Monticello Steam Electric Station in Texas June 3**

As a result of the trip, the load was decreased and flue gas conditioners were added to minimize emissions.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=155222>

Reuters, 11:19 June 3, 2011

### **S&P's Ratings Services Releases Reports on Delays for New PJM Backbone Electric Transmission Projects and Potential Threats to the Grid June 2-3**

In the Standard & Poor (S&P) report from June 2, "The Dark Side of the Sun: A Potential Threat to the U.S. Power Grid," the increasingly complex nature of grid components, and the increased degree of interconnection could make the system more vulnerable to catastrophic cascading failures. In a second report "What's in the Way Of Expanding Electric Transmission In The PJM Interconnection" S&P indicates decreased load forecasts temporarily ease reliability concerns, but cost allocation is a major obstacle for new transmission additions given the large size of the PJM system. S&P also indicates local opposition to new infrastructure could arise as an additional roadblock to project progress.

Dow Jones Newswires, June 3, 2011 10:25

Standard & Poor's Financial Services LLC, 17:22 June 2, 2011

### **BPA Announces Network Open Season Decision for Colstrip Transmission Upgrade Project by June 3**

Plans are underway to upgrade the backbone of the BPA transmission system to accommodate additional generation capacity in Montana at current system charge levels. BPA's plans could change depending on results of a future sub synchronous resonance study.

<http://www.prnewswire.com/news-releases/gaelectric-welcomes-bpa-2010-network-open-season-decision-on-network-upgrades-123099363.html>

### **Update: Construction Begins on Boralex and Gaz Métro's 366 MW Seigneurie de Beaupré Wind Farm in Quebec, Canada**

The first phase of 126 turbines, rated at a total of 272 MW, is planned to start up in late 2013. The second phase of 69 MW will begin operating in late 2014.

<http://www.prnewswire.com/news-releases/groundbreaking-ceremony-for-the-seigneurie-de-beaupre-wind-site-123040373.html>

### **Update: Construction Wrapping Up on Great River Energy's 99 MW Spiritwood Coal-Fired Power Plant in North Dakota**

Spiritwood Station's commissioning and startup is currently planned to begin in August 2011. The steam from the plant will be sent to the Cargill Malting plant and may also be used in a future ethanol or bio-energy plant located near the Spiritwood site.

<http://www.jamestownsun.com/event/article/id/137252/>

## ***Petroleum***

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### **Explosion at Military Complex Shuts Transneft's 161,000/d Pipeline near Izhevsk, Russia June 3**

Transneft, Russia's largest crude producer, and the owner of the pipeline, is not receiving 161,000 b/d from the region as a result of the fire and pipeline shutdown.

<http://www.telegraph.co.uk/news/worldnews/europe/russia/8554561/Large-explosion-at-Russian-military-base-closes-oil-pipeline.html>

### **Collision of Petrol Tankers Causes Major Explosion at Chevron's 220,000 b/d Pembroke Refinery in Southwest Wales, UK, Killing Four on June 2**

Reports indicate two petrol tankers collided inside the refinery Thursday night. A fire broke out after the initial explosion in the storage tank area, destroying one storage tank and damaging a second tank nearby. Chevron has suspended non-essential work at the plant while safety experts investigate the cause of the explosion. Chevron does not expect the explosion to disrupt supplies from the refinery.

Reuters, 10:51 June 3, 2011

[http://www.burnleycitizen.co.uk/uk\\_national\\_news/9063668.print/](http://www.burnleycitizen.co.uk/uk_national_news/9063668.print/)

### **Update: Valero Returns to Planned Rates Following Gasoil Hydrotreater Upset at 80,887 b/d Wilmington, California Refinery June 3**

A gasoil hydrotreater upset and sulfur plant train issue caused emissions at the plant this week. Valero indicates the gasoil hydrotreater was restarted.

Reuters, 08:55 June 3, 2011

## ***Natural Gas***

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### **AGI Compressor Shuts, Restarts Due to Debris Clogging Filter Screen at 290 MMcf/d Waha Gas Plant in Texas on June 2**

According to a filing with state regulators, low lubricator flow within the compressor was caused by debris clogging the filter screen. The AGI compressor was restarted after the screen was replaced.

<http://www11.tceq.state.tx.us/occeer/index.cfm?fuseaction=main.getDetails&target=155215>

## ***Other News***

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### **MSHA Finds 161 Violations at Eight Coal Mines in West Virginia, Virginia, Kentucky and Three Other States During Special Inspections in April**

The Mine Safety and Health Administration (MSHA) initiated the special inspections after the explosion at Massey Energy's Upper Big Branch coal mine in West Virginia that killed 29 miners. MSHA indicates the agency has issued more than 5,000 citations for coal mine violations as a result of the special inspections.

<http://www.businessweek.com/ap/financialnews/D9NJ54IG1.htm>

### **Sixteen of 134 Rail Cars Carrying Coal Derail in West Alton, Missouri June 2**

Seven of the 16 derailed cars were overturned. No injuries or fires were reported and the cause of the derailment was not immediately known.

[http://www.stltoday.com/news/local/stcharles/article\\_dc11a088-8c84-11e0-b960-0019bb30f31a.html](http://www.stltoday.com/news/local/stcharles/article_dc11a088-8c84-11e0-b960-0019bb30f31a.html)

### **Darling International Inc. and Valero Energy Corp Plan 137 MMGal/Yr Renewable Diesel Plant in Norco, Louisiana**

Construction will begin during the second half of 2011, and the facility is planned to be complete in early 2013. It is planned that the facility will be located adjacent to an existing Valero oil refinery.

<http://www.biodieselmagazine.com/articles/7826/diamond-green-diesel-plant-secures-financing>

## Severe Weather Damage and Carbon Monoxide Hazards Reduce Cliffs Natural Resources's Coal Production Projections from 6.5 Million to 5.1 Million Tons

The Oak Grove mine preparation plant and overland conveyor system in Alabama has sustained severe damage due to the violent spring storms, though the company expects the mine will resume operations by the end of 2011. Sporadic high levels of carbon monoxide have been detected within the Pinnacle Mine in West Virginia requiring the company suspend underground operations and declare a force majeure.

<http://www.mineweb.com/mineweb/view/mineweb/en/page38?oid=128535&sn=Detail&pid=102055>

## Energy Prices

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U.S. Oil and Gas Prices			
June 3, 2011			
	Today	Week Ago	Year Ago
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	100.13	100.50	72.68
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	4.64	4.37	4.58

Source: Reuters

## Energy Notes

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**Update: NRC Approves Exelon's Request to Transfer Radioactive Waste, Except Spent Nuclear Fuel, from 2,345 MW Limerick Nuclear Power Plant to 2,304 MW Peach Bottom Nuclear Power Facility in Pennsylvania May 31**

[http://www.yorkdispatch.com/news/ci\\_18185382](http://www.yorkdispatch.com/news/ci_18185382)

**Power Surge Causes Electrical Problems and Flaring at Aker Gas Plant in Texas June 2**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=155210>

**Tripped Blower Causes Hydrogen Sulfide Emissions at PBF's 160,000 b/d Paulsboro, New Jersey Refinery, Requires Evacuations of Refinery and Local High School on June 3**

Reuters, 00:10 June 3, 2011

**Update: Dow Chemical Company Delays Commercial Release of Photovoltaic Solar Shingles until 2012, Missing Summer 2011 Home Construction Season**

Reuters, Friday, 11:01 June 3, 2011

## 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 & 1:00 PM EST every Wednesday.

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

<http://www.eia.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>

Please direct comments and questions to: [ead@oe.netl.doe.gov](mailto:ead@oe.netl.doe.gov)