



# ENERGY ASSURANCE DAILY

Monday Evening, June 27, 2011

## ***Electricity***

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### **Overnight Thunderstorms Knock Out Power to over 125,000 Customers in Missouri, Illinois, and Kansas June 26-27**

The following utilities reported significant power outages in Missouri, Illinois, and Kansas:

- Ameren reported a peak of 54,000 Missouri customers without power at the height of the storm. As of latest reports, 12,344 Missouri customers are still without power.
- Ameren reported a peak of 28,000 customers without power in Illinois, including the water treatment plant in Quincy, Illinois. As of latest reports, 24,759 Illinois customers are still without power.
- Kansas City Power & Light (KCP&L) reported a peak of 45,981 customers lost power in Kansas and Missouri. As of latest reports, 31,785 KCP&L customers remained without power, 29,909 of them in Missouri.

<http://www.ameren.com/sites/ae/OutageCenter/Pages/OutageMapPlus.aspx>

<http://www.heartlandconnection.com/news/story.aspx?id=634427>

<http://www.illinoisoutage.com/go/page/1787/27998/>

<http://www.therepublic.com/view/story/b3ec4294e4064955ae488590af15719a/IL--Illinois-Storms-Outages/>

<http://www.kansascity.com/2011/06/27/2977297/overnight-storms-down-trees-power.html>

### **Thunderstorms Repeatedly Batter Southern U.S. June 24-27, Leaving Thousands in the Dark in Georgia and Alabama**

According to company updates, thunderstorms knocked out power to 75,000 Georgia Power customers in the Atlanta, Georgia area June 24-25. After restoring power to most customers, a new set of severe storms hit Georgia and Alabama June 26-27. According to news reports, a peak of 65,000 Georgia Power customers lost power in Georgia on Sunday, while Alabama Power reported a peak of 62,000 customers in Alabama without power due to the storms. As of latest reports, all but about 50 Georgia Power customers were restored, while about 4,000 Alabama Power customers remain without power.

<http://twitter.com/#!/GeorgiaPower/status/84617216183648256>

<http://www.cbsatlanta.com/story/14979282/severe-storm-damage-across-metro-atlanta>

<http://twitter.com/#!/GeorgiaPower/status/85412155314290689>

<http://twitter.com/#!/alabamapower/status/85281200482168832>

### **Update: Under 1,500 KUB Customers without Power by June 26, Following 127,000 Customer Outage of June 21-22**

<http://www.volunteertv.com/news/headlines/124568244.html>

### **PSE&G's 1,092 MW Salem Nuclear Unit 2 in New Jersey Shut June 26**

According to a filing with the Nuclear Regulatory Commission (NRC), the unit experienced an automatic reactor trip due to loss of a reactor coolant pump. The cause of the pump malfunction is under investigation. The NRC reported that on the morning of June 26 the unit was operating at full power.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2011/20110627en.html>

Information also derived from the NRC Power Reactor Status Reports:

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

## **Southern's 870 MW Hatch Nuclear Unit 2 in Georgia Reduced to 54 Percent June 25-26, Ramped Up to 93 Percent by June 27**

The Nuclear Regulatory Commission reported that on the morning of June 24 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/>

## **TVA's 1,125 MW Sequoyah Nuclear Unit 1 in Tennessee Shut June 26**

According to a filing with the Nuclear Regulatory Commission (NRC), the unit tripped due to a turbine problem. The NRC reported that on the morning of June 26 the unit was operating at full power.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2011/20110627en.html>

Information also derived from the NRC Power Reactor Status Reports:

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

## **TVA's 1,126 MW Sequoyah Nuclear Unit 2 in Tennessee at Full Power June 25-26**

The Nuclear Regulatory Commission reported that on the morning of June 24 the unit was operating at 49 percent. Information derived from the NRC Power Reactor Status Reports:

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

## **Update: Dominion's 815 MW Surry Nuclear Unit 2 in Virginia Ramped Up to 70 Percent by June 27**

The unit was shut on June 21 due to a problem with the ducts that cool the main condenser. The Nuclear Regulatory Commission reported that on the morning of June 26 the unit was operating at 5 percent.

Reuters, 06:36 June 27, 2011

Information also derived from the NRC Power Reactor Status Reports:

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

## **Exelon's 850 MW Dresden Nuclear Unit 2 in Illinois Reduced to 85 Percent by June 26, at Full Power by June 27**

The Nuclear Regulatory Commission reported that on the morning of June 25 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/2011/>

## **FPL's 512 MW Point Beach Nuclear Unit 2 in Wisconsin Ramped Up to 75 Percent June 25-26**

The Nuclear Regulatory Commission reported that on the morning of June 24 the unit was operating at 30 percent. Information derived from the NRC Power Reactor Status Reports:

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

## **Xcel's 578 MW Monticello Nuclear Unit in Minnesota Shut by June 25**

According to news reports, the unit shut to replace a safety valve. The Nuclear Regulatory Commission reported that on the morning of June 24 the unit was operating at 20 percent.

<http://minnesota.cbslocal.com/2011/06/24/minn-nuclear-plant-shuts-down-to-replace-valve/>

Information also derived from the NRC Power Reactor Status Reports:

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

## **Update: Three Units Return to Service at AES's Redondo Beach Gas-Fired Power Plant in California June 25-26**

According to the California Independent System Operator, units 5 and 6 reported a return from an unplanned outage by June 25, and unit 8 reported a return from an unplanned outage by June 26. Unit 5 has a capacity of 179 MW, unit 6 has a capacity of 175 MW, and unit 8 has a capacity of 496 MW.

<http://www.caiso.com/unitstatus/data/unitstatus201106261515.html>

<http://www.caiso.com/unitstatus/data/unitstatus201106251515.html>

## **AES's 226 MW Huntington Beach Gas-Fired Unit 1 in California Shut by June 24, Returns to Service by June 25**

According to the California Independent System Operator, the unit reported an unplanned outage by June 24.

<http://www.caiso.com/unitstatus/data/unitstatus201106241515.html>

<http://www.caiso.com/unitstatus/data/unitstatus201106251515.html>

## **La Paloma Generating Company's 260 MW La Paloma Gas-Fired Unit 4 in California Returns to Service by June 24**

According to the California Independent System Operator, the unit reported a return from a planned outage.  
<http://www.caiso.com/unitstatus/data/unitstatus201106241515.html>"

## **Entegra Power's 291 MW Gila River Dynamic Resource Gas-Fired Unit in Arizona Reduced by June 24**

According to the California Independent System Operator, the unit reported an unplanned curtailment of 191 MW by June 24.  
<http://www.caiso.com/unitstatus/data/unitstatus201106241515.html>

## **Emergency Declared Due to Fire at Constellation's 565 MW Nine Mile Point Nuclear Unit 1 in New York June 25**

According to a filing with the Nuclear Regulatory Commission, operators confirmed that unit 1 experienced a fire lasting longer than 15 minutes in power board H12. The power board was de-energized and the fire was extinguished.  
<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2011/20110627en.html>

## **TVA Reports Meteorological Monitoring Instrumentation Inoperable Due to Loss of Power at its Browns Ferry Nuclear Plant in Alabama June 25**

According to a non-emergency filing with the Nuclear Regulatory Commission, both normal and backup power was lost to the instrumentation. All three units remained at 100 percent during the event.  
<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2011/20110627en.html>

## **HPCI System Inoperable Due to Piping Leak at Exelon's 1,093 MW Peach Bottom Nuclear Unit 3 in Pennsylvania June 26**

According to a filing with the Nuclear Regulatory Commission, the High Pressure Coolant Injection (HPCI) system was found to be inoperable due to a piping leak. The HPCI system was restored later in the day.  
<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2011/20110627en.html>

## **Manual Reactor Trip Reported Due to Main Feed Pump Trip at Wolf Creek's 1,236 MW Wolf Creek Nuclear Plant in Kansas June 26**

According to a filing with the Nuclear Regulatory Commission, the reactor was manually tripped due to a problem with the 'B' main feed water pump. When the reactor tripped, the plant was operating at 82 percent power while ramping up from a refueling outage. Operators are investigating the cause of the pump problem.  
<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2011/20110627en.html>

## **Update: Berm Protecting OPPD's 478 MW Fort Calhoun Nuclear Unit in Nebraska from Floods Collapses June 26**

Some sort of machinery came into contact with the water-filled berm and punctured it, causing it to deflate. According to an Omaha Public Power District (OPPD) representative, the plant remains secure. According to filings with the Nuclear Regulatory Commission, emergency diesel generators were started up in response to the loss of the berm. According to a news report, a levee three miles upstream of Cooper in Missouri also failed on June 23, but that the incident does not threaten the plant. Fort Calhoun has been shut since April for refueling.  
<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2011/20110627en.html>  
<http://www.foxreno.com/news/28362921/detail.html>  
<http://nebraska.statepaper.com/vnews/display.v/ART/2011/06/24/4e0444e29756b>

## **Flood Preparation Deficiencies Noted Two Years Ago at NPPD's 478 MW Fort Calhoun Have Been Remedied: NRC**

The chairman of the Nuclear Regulatory Commission (NRC) is due to visit Omaha Public Power District's (OPPD) 478 MW Fort Calhoun nuclear unit and Nebraska Public Power District's (NPPD) 791 MW Cooper nuclear unit June 27 to monitor Missouri River flooding preparations. An NRC report from two years ago warned of flood preparation deficiencies at Fort Calhoun, but the agency says that operators have since corrected them.  
<http://www.whnt.com/sns-rt-us-flooding-nucleartre75n6qp-20110624.0.672655.story>

## **Update: Calpine and GE Secure Financing and Will Build 619 MW Combined-Cycle Russell City Energy Center in Hayward, California**

The natural gas-fired facility is currently under construction. Pacific Gas & Electric will purchase the electricity it generates. The plant is expected to be operational by the middle of 2013.

<http://phx.corporate-ir.net/phoenix.zhtml?c=103361&p=irol-newsArticle&ID=1579819>

## ***Petroleum***

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### **Government to Help Fund Shell's Proposed Quest CCS Project at the Company's Scotford Upgrader in Alberta**

The governments of Canada and Alberta have agreed to provide \$865 million in funding for Shell's Quest carbon capture and storage (CCS) project. Starting in 2015, the Quest project will capture and store one million tonnes of CO2 per year from the company's Scotford upgrader, which processes heavy oil from the Athabasca oil sands.

[http://www.shell.com/home/content/media/news\\_and\\_media\\_releases/2011/quest\\_co2\\_storage\\_24062011.html](http://www.shell.com/home/content/media/news_and_media_releases/2011/quest_co2_storage_24062011.html)

### **ConocoPhillips Running 306,000 b/d Wood River Refinery in Roxana, Illinois at Reduced Rates after Thunderstorms Cause Plant Power Outage June 25**

The refinery will run at reduced rates while the affected units are restarted.

DJN, 13:00 June 27, 2011

### **Ultracracker Resuming Normal Operations at BP's 437,080 b/d Texas City, Texas Refinery June 27-July 2**

Filings with state regulators did not indicate when or why the unit shut.

Reuters, 12:58 June 27, 2011

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=156098>

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=156158>

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=156096>

### **Gas Compressor Shutting Down at CVR Energy's 115,700 b/d Coffeyville, Kansas Refinery June 26**

The incident led to flaring.

Reuters, 00:08 June 27, 2011

### **Furnace Shuts at ExxonMobil's 238,600 b/d Joliet, Illinois Refinery June 26**

The incident led to flaring. The company was trying to start up the equipment as of latest reports.

Reuters, 00:19 June 27, 2011

### **Enbridge's Cushing, Oklahoma-to-Wood River, Illinois Ozark Crude Oil Pipeline Will Carry Just 8 Percent of Requests in July Due to Over-Nominations**

The pipeline will carry 228,708 b/d out of the nearly 3 MMb/d requested by shippers.

<http://af.reuters.com/article/energyOilNews/idAFN1E75Q12520110627>

## ***Natural Gas***

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Nothing to report.

## ***Other News***

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Nothing to report.

## ***Energy Prices***

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U.S. Oil and Gas Prices June 27, 2011			
	Today	Week Ago	Year Ago
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	90.65	92.90	76.97
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	4.20	4.39	4.88

Source: Reuters

## ***Energy Notes***

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**Update: Energy Department Provides \$350 Million to Develop Summit Energy's Planned 400 MW IGCC Texas Clean Energy Project in Penwell, Texas – Power Plant to Capture 90 Percent of Carbon Emissions**

<http://blogs.forbes.com/jeffmcmahon/2011/06/26/texas-clean-coal-power-plant-finds-a-customer/>

**Update: Wallow Fire in Arizona Is 77 Percent Contained – No Threat to Electric Grid**

<http://593info.org/?p=1587>

**Nearby Las Conchas Fire Forces Shut Los Alamos National Laboratory in New Mexico  
June 27**

Reuters, 11:37 June 27, 2011

**Energy Department Announces \$120 Million to Support Development of Energy Efficient Manufacturing Technologies June 24**

<http://www.energy.gov/news/10397.htm>

**Cabot Oil & Gas Discovers Two 30 MMcf/d Natural Gas Wells in Susquehanna County, Pennsylvania, a Likely Marcellus Shale Record**

<http://www.wfrv.com/news/national/124564629.html>

**Two Arrested for Theft of \$64,000 in Oil Field Equipment in Iberia Parish, Louisiana June 22**

<http://www.theadvertiser.com/article/20110623/NEWS01/110623027>

**Thieves Steal Copper Wire from Transformer at Cranberry, Pennsylvania Substation, Triggering “Arc Flash Explosion” and Leaving 3,800 Customers in the Dark June 22 – Incident Is Latest of Several Copper Ground Wire Thefts from Area Substations**

<http://dark-fiber.tmcnet.com/topics/dark-fiber/articles/189514-string-copper-wire-thefts-pennsylvania-continues.htm>

**DCP Midstream Plant Unable to Handle Produced Gas Due to Unspecified Problem, Leading to Flaring at CAG 437 Satellite Battery and XTO Energy's Russell Compressor Station in Texas June 26-27**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=156127>

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=156134>

**Power Dip Shuts Acid Gas Compressor at Big Lake Gas Plant in Texas June 26**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=156130>

**SRU Shut Due to Inlet Line Leak at Keystone Gas Plant in Texas June 26-27**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=156126>

## **AGI Units #1 and #2 Shut, Restart Due to High Suction Temperature at Tilden Gas Plant in Texas June 25**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=156119>

## **Xcel Booster Station Loses Power, Leading Riley Booster Station in Texas to Shut for Four Hours June 25**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=156120>

## **Malfunctions Force Shut AGI Compressor at Waha Gas Plant in Texas June 25-26**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=156122>

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=156121>

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=156123>

## **Inlet Compression Lost Due to Heat, Temporarily Shutting Luther Booster Station in Texas June 25-26**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=156125>

## **Duke Energy Field Services Natural Gas Pipeline in Texas Shut Due to Small Valve Leak June 27**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=156035>

## **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>

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