



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

# ENERGY ASSURANCE DAILY

Monday Evening, August 08, 2011

## *Electricity*

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### **Storms and Winds Cause Over 125,000 Customer Outages across the U.S. Midwest and South August 6-8**

The following utilities reported customer outages due to storms and high winds:

- At the peak of the storm, Kansas City Power & Light had 53,000 customers without power in Missouri and Kansas. As of the morning of August 8, the utility is reporting 7,600 remain without power.
- The Omaha Public Power District (OPPD) said over 24,000 of its customers lost power. By August 7, just 1,000 remained in the dark.
- Lincoln Electric System reported 14,000 customers without power during the peak of the storm on August 6. As of August 7, just 2,700 remained without power.
- Public Service Company of Oklahoma (PSO) reported about 19,000 customers lost power in the Tulsa, Oklahoma area August 6 after storms and winds damaged power lines. As of latest reports, 351 remain without power near Tulsa.
- Entergy reported a peak of 15,597 Arkansas customers without power August 7. The control tower at Little Rock National Airport was briefly evacuated August 7 due to 92 mile per hour winds. Entergy is currently reporting 4,525 outages.

[http://www.kcpl.com/storm/storm\\_update.html](http://www.kcpl.com/storm/storm_update.html)

<http://www.nebraska.tv/story/15224008/thousands-in-e-neb-without-power-after-storm>

<https://www.psoklahoma.com/outages/Default.aspx>

<http://www.krmg.com/news/news/local/power-outages-tulsa-dwindling-after-saturdays-storm/nDF6z/>

<http://www.5newsonline.com/news/sns-ap-ar--tulsa-poweroutage,0,4454326.story>

<http://viewoutage.entergy.com/ar.aspx>

<http://www.therepublic.com/view/story/96320ece712048eeaceb804aa996bb57/AR--Arkansas-Storm/>

### **Update: All Units Report Output Changes at TVA's Browns Ferry Nuclear Plant in Alabama August 6-8**

According to previous reports, all three units at the facility were reduced to 50 percent due to high river water temperatures:

- According to a filing with the Nuclear Regulatory Commission (NRC), the 1,155 MW unit 1 began to shut after Reactor Protection System (RPS) power supply 1B failed on August 6. The unit then began to restart later in the day. The NRC reported that on the morning of August 8 the unit had returned to full power.
- The 1,118 MW unit 2 ramped up to 99 percent by August 7, then was reduced to 82 percent by August 8. The NRC reported that on the morning of August 6 the unit was operating at 70 percent.
- The 1,118 MW unit 3 was ramped up to full power by August 8. The NRC reported that on the morning of August 7 the unit was operating at 91 percent.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2011/20110808en.html>

Information also 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 at Full Power by August 8**

The Nuclear Regulatory Commission reported that on the morning of August 7 the unit was operating at 47 percent. Information derived from the NRC Power Reactor Status Reports:

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

### **Constellation's 835 MW Calvert Cliffs Nuclear Unit 2 in Maryland at Full Power by August 7**

The Nuclear Regulatory Commission reported that on the morning of August 6 the unit was operating at 73 percent. Information derived from the NRC Power Reactor Status Reports:

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

### **Constellation's 1,120 MW Nine Mile Point Nuclear Unit 2 in New York Shut Due to Leak August 6**

According to reports and a filing with the Nuclear Regulatory Commission (NRC), the unit was shut due to drywell leakage. The NRC reported that on the morning of August 6 the unit was operating at 65 percent.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2011/20110808en.html>

<http://online.wsj.com/article/AP9933d2a7fcb4ef0b37c9e1384b212de.html>

Information also derived from the NRC Power Reactor Status Reports:

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

### **SCE's 1,126 MW San Onofre Nuclear Unit 3 in California Reduced by August 7**

According to the California Independent System Operator, the unit reported a planned curtailment of 466 MW on August 7.

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

<http://content.caiso.com/unitstatus/data/unitstatus201108071515.html>

### **Operators Report Reactor Trip Due to Dropped Control Element Assembly at APS's 1,243 MW Palo Verde Nuclear Unit 1 in Arizona August 6**

According to a filing with the Nuclear Regulatory Commission (NRC), unit 1 tripped from approximately 100 percent due to a "dropped Shutdown Group Control Element Assembly (CEA) during surveillance testing to exercise the CEAs."

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2011/20110808en.html>

### **Update: Entegra Power Group's 291 MW Gila River Dynamic Resource Gas-Fired Unit in Arizona Shuts by August 5, Returns to Service by August 7**

According to the California Independent System Operator, the unit reported a return from an unplanned outage on August 5th.

<http://content.caiso.com/unitstatus/data/unitstatus201108051515.html>

<http://content.caiso.com/unitstatus/data/unitstatus201108071515.html>

### **Dynegy's 510 MW Moss Landing Gas-Fired Unit 2 in California Returns to Service by August 6**

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

<http://content.caiso.com/unitstatus/data/unitstatus201108061515.html>

### **Calpine's 561 MW Los Medanos Gas-Fired Unit in California Shut by August 6**

According to the California Independent System Operator, the unit reported an unplanned outage on August 6.

<http://content.caiso.com/unitstatus/data/unitstatus201108061515.html>

### **Delta Power's 240 MW Crockett Gas-Fired Unit in California Returns to Service by August 5**

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

<http://content.caiso.com/unitstatus/data/unitstatus201108051515.html>

### **Calpine's 751 MW Pastoria Gas-Fired Unit in California Reduced by August 5**

According to the California Independent System Operator, the unit reported a planned curtailment of 271 MW on August 5.

<http://content.caiso.com/unitstatus/data/unitstatus201108051515.html>

### **Update: Luminant's 593 MW Big Brown Coal-Fired Unit 2 in Texas Shut to Repair Boiler Tube Leak August 5-6; Unit Restarts August 7**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=157709>

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=157713>

## **OPG's 535 MW Lennox Oil- and Gas-Fired Unit 2 in Ontario Shut August 7**

Reuters, 9:54 August 8, 2011

## **Alliant Energy Plans to 100 MW Franklin County Wind Farm in Iowa August 4**

The company said it is planned to hold a groundbreaking ceremony today, though construction will not begin until 2012, with the project coming into operation by the end of 2012.

[http://globegazette.com/news/local/m-turbine-wind-farm-planned-for-franklin-county/article\\_cb356d9e-bf1a-11e0-94aa-001cc4c002e0.html](http://globegazette.com/news/local/m-turbine-wind-farm-planned-for-franklin-county/article_cb356d9e-bf1a-11e0-94aa-001cc4c002e0.html)

<http://www.myabc5.com/story/15215907/new-wind-farm-planned-for-iowas-franklin-county>

## **OPA to Build Two Wind Projects Totaling 198 MW in Ontario**

The Ontario Power Authority (OPA) is planning to build the 99 MW Erieau and 99 MW East Lake St. Clair wind projects in southwestern Ontario. The two projects are due to come into service in early 2013. International Power Canada will purchase all of the power from both projects.

<http://www.prnewswire.com/news-releases/international-power-canada-secures-power-purchase-agreements-for-two-major-wind-farms-in-ontario-127228343.html>

## **NYISO Plans to Unveil \$74 Million Statewide Smart Grid Initiative in New York August 8**

The announcement will come when the New York Independent System Operator (NYISO) breaks ground on a new control center today.

<http://www.seattlepi.com/news/article/New-control-center-on-tap-for-NY-s-electric-grid-1751895.php>

## ***Petroleum***

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### **Following Explosion and Fire August 5, Valero's 180,000 b/d Memphis, Tennessee Refinery Remains Shut August 8**

Valero reported that the explosion in an 80,000 b/d crude unit and the fire which followed shut two crude units. All other units were already down following a prior power outage. According to published sources, Valero has no estimate as to when production will resume, however, a spokesman for Valero indicated that the 100,000 b/d west crude unit could return "fairly quickly." No injuries have been reported and the cause of the explosion is under investigation.

Reuters, 10:11 August 8, 2011

Reuters, 15:09 August 5, 2011

<http://www.reuters.com/article/2011/08/05/us-refinery-fire-idUSTRE77436J20110805>

### **Operators Report Fire at Off Gas Compressor at Alon USA's 70,000 b/d Big Spring, Texas Refinery August 5-6**

According to local news reports, an explosion and small fire at a diesel-producing hydrocracking unit injured one worker. The company reported that the incident caused no material impact on production, and that the fire was extinguished within 40 minutes.

Reuters, 15:32 August 6, 2011

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=157715>

<http://af.reuters.com/article/commoditiesNews/idAFN1E77508C20110807>

<http://www.oaoa.com/news/fire-69883-refinery-spring.html>

### **Shell Reports Crude Distillation Units Malfunction at 327,000 b/d Deer Park, Texas Refinery August 5**

According to a filing with state regulators, an "I/O card" in the refinery's central processing unit (CPU) needed to be fixed. Within two hours, the CPU was reset and the crude distillation units were restarted. The refinery is a joint-venture between Shell and Pemex.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=157714>

<http://af.reuters.com/article/energyOilNews/idAFWEN699620110807>

### **Hydrocracker Shuts at Motiva 233,500 b/d Norco, Refinery August 5**

According to a filing with National Response Center, the unit was shut for unknown reasons

Reuters, 07:23 August 7, 2011

Reuters, 12:06 August 7, 2011

### **Sunoco Reports Multiple Units Shut at 335,000 b/d Philadelphia, Pennsylvania Refinery August 5**

Sunoco announced that the following units were shut: 859, 865, 866, and 870 hydrotreaters; 1332 reformer; 331 isomerization unit; and 231 gufliner. It was not clear what caused the shutdowns.

Reuters, 16:37 August 5, 2011

### **Valero Reports Unspecified Units Restart Following Unplanned Maintenance at 142,000 b/d Corpus Christi, Texas Refinery August 6-7**

The startup occurred at Complex 3 and 6, according to a filing with state regulators.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=157720>

<http://af.reuters.com/article/energyOilNews/idAFWEN699820110807>

### **Magellan Shuts Pipeline in Henrietta, Texas after Discovering Leak of 20 Barrels of Diesel by August 8**

According to a company filing, "the block valves were isolated and the line was shutdown." It was not clear from reports what the capacity of the pipeline is.

Reuters, 11:18 August 8, 2011

<http://af.reuters.com/article/energyOilNews/idAFWNAB669620110808>

### **Update: Operators Return Tesoro's 93,000 b/d Kapolei, Hawaii Refinery to Planned Rates by August 8**

A company spokesman reported that the refinery returned to planned rates following a loss of power over the weekend.

Reuters, 02:30 August 8, 2011

### **Enbridge Considering Expanding Proposed Monarch Oil Pipeline August 5**

The new proposal calls for transporting 200,000 to 300,000 b/d from Flanagan, Illinois to Cushing, Oklahoma. This would be in addition to the already proposed 350,000 b/d Cushing-to-Texas pipeline.

[http://www.tulsaworld.com/business/article.aspx?subjectid=49&articleid=20110806\\_49\\_E1\\_Ebighn945](http://www.tulsaworld.com/business/article.aspx?subjectid=49&articleid=20110806_49_E1_Ebighn945)

CJX, 09:36 August 8, 2011

## **Natural Gas**

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### **GVEA and Flint Hills Resources Plan Natural Gas Liquefaction Facility on Alaska's North Slope August 5**

According to a press release, Golden Valley Electric Association (GVEA) and Flint Hills Resources Alaska have commenced engineering on a natural gas liquefaction facility on Alaska's North Slope, which will enable liquefied natural gas (LNG) to be trucked to the companies' other facilities. GVEA plans to use the LNG to power its newest turbine at the North Pole Power Plant, while Flint Hills will use it as a supply fuel its North Pole refinery. LNG could also be made available to other users within Alaska. The facility is due to be completed by the first quarter of 2014.

<http://www.fhr.com/upload/080411FHRAAlaskaandGoldenValleyElectric.pdf>

### **Enbridge Energy Partners Plans to Build 150 MMcf/d Ajax Cryogenic Natural Gas Processing Plant near Wheeler, Texas August 8**

The facility will be part of the company's Anadarko gas gathering system. It is due to come online in early 2013.

<http://money.msn.com/business->

[news/article.aspx?feed=MW&Date=20110808&ID=14071638&industry=IND\\_ENERGY&isub](http://news/article.aspx?feed=MW&Date=20110808&ID=14071638&industry=IND_ENERGY&isub)

## **BGE Building at Least 14 Miles of Natural Gas Pipeline in Maryland**

According to a Baltimore Gas and Electric (BGE) press release, the \$60 million underground pipeline will boost natural gas service to more than 200,000 customers in five Maryland counties. The company did not specify the length of the pipeline, but it did report that the project “involves a 14-mile stretch of land in Howard County, just north of Clarksville, extending southeast to Laurel.” Clearing and pipeline construction are currently ongoing and should be completed by the end of 2011.

[http://files.shareholder.com/downloads/CEG/1350415704x0x489742/248c71a4-d07a-4f41-aaf1-8e9fbc3c42e5/SouthernReinfRelease\\_FINAL\\_8-5-11\\_v3.pdf](http://files.shareholder.com/downloads/CEG/1350415704x0x489742/248c71a4-d07a-4f41-aaf1-8e9fbc3c42e5/SouthernReinfRelease_FINAL_8-5-11_v3.pdf)

## **Units Shut at Keystone Gas Plant in Texas August 6-7**

According to a filing with state regulators, both Crawford Mills units shut due to low discharge, and cat #23 went down due to an electrical fault.

<http://www11.tceq.state.tx.us/oce/eeer/index.cfm?fuseaction=main.getDetails&target=157724>

## **Other News**

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Nothing to report.

## **Energy Prices**

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<b>U.S. Oil and Gas Prices</b>			
August 8, 2011			
	<b>Today</b>	<b>Week Ago</b>	<b>Year Ago</b>
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	83.68	94.23	80.88
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	4.00	4.29	4.84

Source: Reuters

## **Energy Notes**

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### **Storms Knock Out Power to 13,000 FP&L Customers in Florida August 7 – About 3,150 Remain without Power August 8**

<http://www.palmbeachpost.com/weather-news/nearly-2-000nearly-2-000-still-without-power-in-palm-1708475.html>  
<http://www.fplmaps.com/>

### **Transformer Explodes at Kissimmee Utility Authority Substation, Killing One and Injuring Two August 6 – No Customers Lose Power**

<http://www.floridatoday.com/article/20110807/BREAKINGNEWS/110807006/Woman-killed-two-workers-burned-when-transformer-explodes-Kissimmee-substation?odyssey=tab|topnews|text|Home>

### **Update: NRG Solar Commences Operations at 45 MW Avenal Solar Generating Facility, the Largest PV Generating Facility in California**

<http://finance.yahoo.com/news/NRG-Solar-and-Eurus-Energys-bw-3237352757.html?x=0&.v=1>  
<http://www.hartfordbusiness.com/news19869.html>

### **GVEA Plans to Bring 24 MW Eva Creek Wind Project in Alaska Online in September 2012**

<http://www.gvea.com/energyprograms/wind.php>

**Louisiana Energy Services Discovers Contaminated Waste Stored in Unmarked Container at Uranium Enrichment Facility in Eunice, New Mexico August 6**

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2011/20110808en.html>

**ConocoPhillips Reports Flaring Following Electrical Glitch at 362,000 b/d Wood River, Illinois Refinery August 6**

Reuters, 03:46 August 8, 2011

**Update: ExxonMobil's 12-Inch, 40,000 b/d Silvertip Crude Pipeline in Montana Likely Spilled after Riverbed "Scouring" Left the Pipeline Exposed to Debris and Rupture**

[http://online.wsj.com/article/SB10001424053111904292504576484720922432398.html?mod=googlenews\\_wsj](http://online.wsj.com/article/SB10001424053111904292504576484720922432398.html?mod=googlenews_wsj)

**Highways, Rail Line Briefly Shut After Car Crash Damages Northwest Natural Gas Equipment, Causing Gas Leak near Hubbard, Oregon August 5**

<http://www.statesmanjournal.com/article/20110806/UPDATE/110806001/Crash-causes-natural-gas-leak-closes-highways?odyssey=tab|mostpopular|text|FRONTPAGE>

**Primary Acid Gas Compressor Shuts, Restarts Two Times Due to Third Party Power Dip at Big Lake Gas Plant in Texas August 7**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=157727>

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=157721>

**AGI Unit #1 Shuts, Restarts Twice Due to Equipment Failures at Tilden Gas Plant in Texas August 6-7**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=157723>

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=157722>

**Lost Peak Booster Station Unit #1 Shuts on "High Discharge Pressure" Due to Problems at the Sprayberry Gas Plant in Texas August 6**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=157726>

## **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 EDT every Wednesday.

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

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

Updated after 2:00 PM EDT every Thursday.

## ENERGY ASSURANCE DAILY

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

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