



# ENERGY ASSURANCE DAILY

Friday Evening, June 26, 2009

## Major Developments

### Severe Storms Knock Out Power to 274,000 Customers in the Midwest June 25-26

Severe storms beginning Thursday afternoon knocked out power to an estimated 274,000 utility customers in Michigan, Ohio, and Kentucky. The Detroit, Cincinnati, and Cleveland metropolitan areas were the hardest hit. As of Friday mid-morning, an estimated 120,869 customers were reported without power in the affected service territories including 45,000 Detroit Edison (DTE) customers in Michigan, 45,869 Duke Energy customers in Ohio and Kentucky, and about 30,000 First Energy customers in Ohio. DTE plans to have 90 percent of affected customers restored by the end of today and have the “vast majority” of outages restored by the end of Saturday. Duke Energy expects to have all of its Ohio and Kentucky customers restored by 5 PM CDT Saturday.

Midwest Customer Power Outages			
June 25 – June 26, 2009			
Electric Utility	State	Peak	Latest Reported
Detroit Edison (DTE)	MI	120,000	45,000
Duke Energy Ohio/Kentucky	OH/KY	84,000	45,869
First Energy Ohio	OH	70,000	30,000
<b>TOTAL*</b>		<b>274,000</b>	<b>120,869</b>

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

Sources: <http://my.dteenergy.com/main/indexStorm.html>  
<http://www.duke-energy.com/ohio/outages/current.asp>  
<http://twitter.com/dukeenergystorm>  
[http://www.firstenergycorp.com/outages/outages.do?state\\_code=OH](http://www.firstenergycorp.com/outages/outages.do?state_code=OH)  
[http://www.wkyc.com/news/local/news\\_article.aspx?storyid=116623&catid=3](http://www.wkyc.com/news/local/news_article.aspx?storyid=116623&catid=3)

## Electricity

### ERCOT and Texas PUC Urged Electricity Conservation During Heat Wave June 25

The Electric Reliability Council of Texas (ERCOT), grid operator for most of the state, and the Public Utility Commission, encouraged consumers and businesses to reduce their electricity use June 25 during peak electricity hours from 3 to 7 PM CDT due to expected high electricity usage. The company didn’t anticipate any electricity emergencies but due to the effect of some unplanned generation outages, expected to have minimal reserves available. Actual electricity demand on June 25 reached 62,298 MW from 3 to 4 PM CDT, 41 MW shy of the all-time record. ERCOT does not anticipate record-breaking demand for June 26.

[http://www.ercot.com/news/press\\_releases/2009/nr06-25-09](http://www.ercot.com/news/press_releases/2009/nr06-25-09)

### TVA Accepts Findings of Independent Engineering Report on Kingston Ash Spill

A combination of the existence of an unusual bottom layer of ash and silt, the high water content of the wet ash, the increasing height of ash, and the construction of the sloping dikes over the wet ash were among the long-evolving conditions that caused a 50-year-old coal ash storage pond breach and subsequent ash spill at TVA’s Kingston Fossil Plant in Tennessee on December 22, 2008. The findings and analysis were part of a comprehensive six-month report made public June 25 by AECOM, a geo-technical engineering firm.

[http://www.tva.gov/news/releases/aprjun09/root\\_causes.htm](http://www.tva.gov/news/releases/aprjun09/root_causes.htm)

## **FirstEnergy Repairing Transmission Equipment at 879 MW Davis-Besse Nuke Unit in Ohio**

Workers are repairing the equipment at a transmission switchyard following an explosion early June 25. The explosion knocked out one of the plant's two offsite power sources. First Energy has 72 hours to restore the offsite power source or shut the plant. The unit continues to run at full power and the company expects to make repairs within the 72-hour limit.

Reuters, 08:40 June 26, 2009

## **Update: FirstEnergy's 1,235 MW Perry Nuke Unit 1 in Ohio Ramps Up to 15 Percent by June 26**

The Nuclear Regulatory Commission reported that on the morning of June 25 the unit was operating at 4 percent after exiting an outage for repairs.

Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

## **Update: TVA's 1,118 MW Browns Ferry Nuke Unit 2 in Alabama Ramps Up to 60 Percent by June 26**

The Nuclear Regulatory Commission reported that on the morning of June 25 the unit was operating at 38 percent.

Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

## **Update: Southern's 883 MW Hatch Nuke Unit 2 in Georgia Ramps Up to 76 Percent by June 26**

The Nuclear Regulatory Commission reported that on the morning of June 25 the unit was operating at 22 percent.

The unit restarted by early June 24 after workers replaced a faulty water-level controller that caused the unit to automatically trip during a restart attempt by early June 23.

Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

## **Update: Entergy's 510 MW Vermont Yankee Nuke Unit in Vermont at Full Power by June 26**

The Nuclear Regulatory Commission reported that on the morning of June 25 the unit was operating at 50 percent.

The unit was slowed earlier in the week so that workers could fix a leak of river water into the plant's condenser.

Information derived from the NR Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

## **OPG's 500 MW Pickering Nuke Unit 5 in Ontario Shut June 26**

The outage, which is not expected to be long term, was caused by problems with the turbine.

Bloomberg News, 12:43 GMT June 26, 2009

## **Update: Silicon Valley Power's 148 MW Donald Von Raesfeld Gas-fired Unit in California Returns to Service by June 25**

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

<http://www.caiso.com/unitstatus/data/unitstatus200906251515.html>

## **Update: Elk Hills Power's 552 MW Elk Hills Gas-fired Power Plant in California Returns to Full Power by June 25**

According to the California Independent System Operator, the unit reported a return from an unplanned curtailment of 320 MW.

<http://www.caiso.com/unitstatus/data/unitstatus200906251515.html>

## **Update: Dynegy's 335 MW El Segundo Gas-fired Unit 3 in California Returns to Service by June 25**

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

<http://www.caiso.com/unitstatus/data/unitstatus200906251515.html>

### **Update: AES's 493 MW Redondo Gas-fired Unit 7 in California Returns to Service by June 25**

According to the California Independent System Operator, the unit reported a return from an unplanned outage. <http://www.caiso.com/unitstatus/data/unitstatus200906251515.html>

### **Calpine's 135 MW American I Gas-fired Unit in California Shut by June 25**

According to the California Independent System Operator, the unit reported an unplanned outage on June 25. <http://www.caiso.com/unitstatus/data/unitstatus200906251515.html>

### **Calpine's 297 MW Los Medanos Gas-fired Unit in California Shut June 25**

Reuters, 9:52 June 26, 2009

### **EME/Chevron's 590 MW Sunrise Gas-fired Unit in California Shut June 25**

Reuters, 9:52 June 26, 2009

### **AEP's 528 MW Welsh 2 Coal-fired Unit in Texas Shut June 26**

Reuters, 9:52 June 26, 2009

## ***Petroleum***

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### **Update: Lion Oil Expects Full Rates at 75,000 b/d El Dorado, Arkansas Refinery June 27**

The company expects the refinery to return to full rates by June 27 after a fire at the plant shut a crude distillation unit (CDU) and forced the refinery to reduce capacity to 60 percent on June 25.

Reuters, 09:08 June 26, 2009

### **Cooling Tower Leaks, Unidentified Unit Shut at Total's 240,000 b/d Port Arthur, Texas Refinery**

According to a filing with Texas regulators, a VOC leak was detected at the 805 Cooling Tower on June 25. A separate filing said that "Unit 804" was being prepared for maintenance to be performed on June 26.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=126056>

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=126062>

### **High Outside Temperatures Cause Valve Malfunction at BP's 470,000 b/d Texas City, Texas Refinery June 24**

According to a filing with Texas regulators, high outside temperatures caused a relief valve malfunction on June 24.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=126025>

### **Steam Supply Upset at Petro-Canada's 135,000 b/d Edmonton, Alberta Refinery June 25**

The steam supply upset led to a process upset at the refinery.

Bloomberg News, 12:32 GMT June 26, 2009

### **Militants Claim Attack on Shell's Afremo Offshore Oil Facility in Nigeria**

The Movement for the Emancipation of the Niger Delta (MEND) claims that it blew up an oil well at Shell's Afremo offshore field in Nigeria on June 25. Shell said that it is investigating the reported attack. The Afremo oil platform has been shut since February 28 following an attack on Shell's Trans Escravos Pipeline.

<http://www.platts.com/Oil/News/8665797.xml?p=Oil/News&sub=Oil>

Bloomberg News, 07:59 June 26, 2009

## ***Natural Gas***

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### **Natural Gas Leak Reported at West Waddell Compressor Station in Texas June 25**

Electrical problems on the air fuel ratio module caused the loss of the No. 5 Unit. The outage led to the release of an estimated 86.2 pounds of natural gas.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=126032>

## Rockies Express (REX) East Pipeline Will Enter Service June 29

The company expects the REX-East segment of the pipeline to be in service to Lebanon, Ohio for the June 29 gas day.

<http://intelligencepress.com/>

## Maritimes Seeks FERC Approval to Export Gas from U.S. to Canada

Maritimes & Northeast Pipeline LLC has asked FERC to approve "as soon as possible" its request to reverse flow on its pipeline system so that it can export natural gas from the United States to Canada.

<http://intelligencepress.com/>

## Other News

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Nothing to report.

## Energy Prices

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U.S. Oil and Gas Prices			
June 26, 2009			
	Today	Week Ago	Year Ago
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	69.05	70.33	137.59
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	3.82	4.19	12.76

Source: Reuters

## Energy Notes

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### Update: DOE's Futuregen Project Needs New Partners - Chu

Reuters, 07:38 June 26, 2009

### DOE Draft Report: Drilling is Safe One-Half Mile from Former Atomic Test Site in Piceance Basin in Colorado

<http://intelligencepress.com/>

### Aerospace Industries Association Applauds ASTM International Approval of New Alternative Fuel Specification for Jet Fuel

[http://www.downstreamtoday.com/news/article.aspx?a\\_id=16885](http://www.downstreamtoday.com/news/article.aspx?a_id=16885)

## Links

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*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>

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