



# ENERGY ASSURANCE DAILY

Thursday Evening, July 11, 2013

## Electricity

### Severe Thunderstorms Knock Out Power to 363,000 Customers in Ohio and Pennsylvania July 10

Severe thunderstorms moved across Ohio and Pennsylvania last night, knocking out power to nearly 363,000 customers. As of 4:00 p.m. Eastern Time, today, approximately 84,000 customers remained without power. AEP Ohio, the hardest hit utility, reported wind gusts of 70 and 80 miles per hour in some parts of the state, coupled with heavy rains and severe lightning damaged electrical equipment, broke poles and downed power lines. As of 4 p.m. today, approximately 54,000 AEP Ohio customers remain without power across the company's Ohio and West Virginia service territory. At the peak of the storm approximately 38 AEP Ohio transmission circuits – primarily 69 KV and 138 KV lines – were knocked out of service. Thirty-two (32) remain out this morning. At the peak these transmission circuit outages had 40 AEP Ohio substations out of service.

Ohio and Pennsylvania Customer Power Outages			
July 10-11, 2013			
Electric Utility	State	Peak	Latest Reported
AEP Ohio	OH	152,000	54,000
First Energy Ohio	OH	69,938	9,455
Dayton Power & Light	OH	48,500	2,200
First Energy Pennsylvania	PA	62,000	5,703
Duquesne Light	PA	30,500	12,700
<b>TOTAL*</b>		<b>362,938</b>	<b>84,058</b>

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

Sources:

<https://www.aepohio.com/outages/details.aspx?stormName=AEP%20Ohio%20Summer%20Storm%20July%2010,%202013>

<https://www.duquesnelight.com/forOurCustomers/importantInformation.cfm>

<http://www.dpandl.com/customer-service/outage-center/outage-map/>

<http://outages.firstenergycorp.com/pa.html>

<http://outages.firstenergycorp.com/oh.html>

<https://twitter.com/DuquesneLight>

<http://www.whiotv.com/news/news/1000-without-power-storms-diminish-overnight/nYkZj/>

<http://www.wkyc.com/news/article/305968/226/Severe-weather-winding-down-across-northern-Ohio>

[http://www.philly.com/philly/news/20130711\\_ap\\_360615be39b44ac39d0c48a5921bf843.html](http://www.philly.com/philly/news/20130711_ap_360615be39b44ac39d0c48a5921bf843.html)

### Electrical Disturbance Shuts Pacific Gas & Electric's 1,087 MW Diablo Canyon Nuclear Unit 2 in California July 10

On the morning of July 10 the unit was operating at full power before automatically shutting down. A preliminary investigation determined the shutdown was due to an electrical disturbance when a maintenance crew was power washing electrical insulators on the non-nuclear side of the unit

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2013/>

<http://www.ksby.com/news/initial-cause-of-diablo-canyon-unit-2-shutdown-released/>

### **Dominion's 1,130 MW Millstone Nuclear Unit 3 in Connecticut Reports Failure of Main Steam Line Radiation Monitors June 10**

Millstone Nuclear Unit 3 reported A and B main steam line radiation monitors 3MSS-RE75 and 76 failed and were declared inoperable yesterday morning. Repairs have been completed and the monitors were returned to service. The unit is in Mode 1.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2013/20130711en.html>

### **Update: Constellation's 565 MW Nine Mile Point Nuclear Unit 1 in New York Restarts, Ramps Up to 21 Percent by July 11**

On the morning of July 10 the unit was not operating after being shut down for valve work July 8, according to a report from the Nuclear Regulatory Commission

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2013/>

### **Update: Dynegy's 756 MW Moss Landing Unit 7 Gas-fired Unit in California Returns to Service by July 10**

The unit returned from an unplanned curtailment of 356 MW.

<http://content.caiso.com/unitstatus/data/unitstatus201307101515.html>

### **Update: Dynegy's 335 MW El Segundo Gas-fired Gen Sta. Unit 3 Gas-fired Unit in California Returns to Service by July 10**

The unit returned from an unplanned curtailment of 215 MW.

<http://content.caiso.com/unitstatus/data/unitstatus201307101515.html>

### **AES's 226 MW Huntington Beach Gas-fired Gen Sta. Unit 1 Gas-fired Unit in California Reduced by July 10**

The unit entered an unplanned curtailment of 206 MW.

<http://content.caiso.com/unitstatus/data/unitstatus201307101515.html>

### **Update: AEP to Retire 585 MW Coal-fired Muskingum River Power Plant Unit 5 in Ohio in 2015**

American Electric Power (AEP) announced today that it expects to retire its 585 MW coal-fueled Muskingum River Plant Unit 5 in Beverly, Ohio, in 2015. The company previously announced its intent to retire Muskingum River Units 1-4 (840 MW) in 2015. The addition of Muskingum River Unit 5 brings AEP Ohio's total retirements to 3,123 MW. The remaining 10,725 MW of AEP Ohio-owned generation, including 2,427 MW slated to be transferred to Appalachian Power and Kentucky Power following state regulatory approvals, will consist mostly of low-emitting, fully controlled coal-fueled plants, natural gas-fueled combined cycle and combustion turbines, and a small hydro plant.

<http://www.aep.com/newsroom/newsreleases/?id=1820>

## ***Petroleum***

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### **Phillips 66 Restarting Several Units After Storm-Related Power Disruption at its 198,400 b/d Ponca City, Oklahoma Refinery July 11**

A storm-related power disruption this morning affected several Ponca City units. Phillips 66 is in the process of restarting several units.

Reuters, 10:45 July 11, 2013

### **Update: FCCU Operating at Reduced Rates at Valero's 310,000 b/d Port Arthur Refinery in Texas July 10**

A fluidic catalytic cracking unit (FCCU) was running at less than planned production levels yesterday following an upset on Tuesday. A story in yesterday's EAD incorrectly reported the FCCU as shut. Since tripping out of production on July 4, the refinery has reported two malfunctions on the FCCU.

Reuters, 11:57 July 10, 2013

## **Shell Shuts Unspecified Unit at It's 600,000 b/d Motiva Port Arthur, Texas Refinery July 11**

Royal Dutch Shell initiated a planned shutdown of an unspecified unit at its Port Arthur refinery due to an operational issue.

Reuters, 10:38 July 11, 2013

## **SRUs Shut at Total's 174,000 b/d Port Arthur, Texas Refinery June 9**

Total Petrochemicals reported the sulfur recovery units (SRU) were shut down after a malfunction. Units 819 and 836 were shut down to minimize emissions according to a filing with the Texas Commission on Environmental Quality.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=185338>

## **Compressor Breakdown Reported at Flint Hills' 320,000 b/d Rosemount, Minnesota Refinery July 11**

A compressor broke down at Flint Hills' refinery releasing sulfur dioxide and hydrogen sulfide into the air. The compressor was restarted and the gas release secured.

Reuters, 2:33 July 11, 2013

## **North Dakota Oil Output Up 65,000 b/d in Past Six Weeks Due to Better Weather**

Oil production in North Dakota has increased by 65,000 b/d in the past six weeks due to better weather which increased activity in the Bakken shale play, according to Genscape. Production and well completion operations were slowed in May, which registered one of the heaviest rainfall totals on record.

Reuters, 10:49 July 11, 2013

## ***Natural Gas***

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### **Update: BSEE, Coast Guard Continue to Respond to Leaking Natural Gas Well at Energy Resource Technology's Ship Shoal Platform B in Gulf of Mexico July 11**

The Bureau of Safety and Environmental Enforcement (BSEE) is continuing to oversee Energy Resource Technology, LLC's (ERT) source control efforts to stop the flow of gas and kill the well at Ship Shoal Block 225 Platform B, located approximately 74 miles offshore Louisiana. Following a site safety assessment, BSEE approved the movement of pumping equipment onto Platform E, adjacent to Platform B and connected by a bridge. BSEE engineers completed final reviews and approved the source control procedures which involve pumping drilling mud into the well to stop the flow of natural gas. The wellhead and associated equipment are located approximately 70 feet above the surface of the water, where all platform work is conducted. As reported by ERT, there is currently a light sheen on the water, which appears to be evaporating. The well is flowing mostly water at very low pressure and ERT believes that approximately 3.6 barrels of light condensate is being discharged every 24 hours based upon the size of the sheen as reported by the BSEE and the U.S. Coast Guard.

<http://www.bsee.gov/BSEE-Newsroom/Press-Releases/2013/Press07102013/>

### **Open Season Announced for Tennessee Gas Pipeline's 72 MMcf/d Connecticut Expansion Project July 10**

Tennessee Gas Pipeline on Wednesday announced an open season for its Connecticut Expansion Project, which would allow more gas to reach congested New England markets starting in late 2016. The approximately 72 MMcf/d project would provide firm transportation service from Tennessee's existing interconnect with Iroquois Gas Transmission System, L.P. in Wright, New York, to mutually agreeable Zone 6 delivery points located on Tennessee's 200 and 300 Lines, in the state of Connecticut.

<http://tebb.elpas.com/ebbmasterpage/Notices/NoticesAutoTable.aspx?code=TGP&name=Non-Critical%20Notices&status=Notice&sParam2=M&sParam3=N&sParam9=S>

### **Guam Power Authority Considering Importing LNG for Power Generation After 2015**

With more liquefied natural gas (LNG) becoming available, the U.S. Pacific Island territory of Guam's sole power provider, Guam Power Authority, may switch from oil products to generate power. A final decision will be made once a feasibility study is completed in 2015.

<http://www.bloomberg.com/news/2013-07-11/guam-may-switch-to-lng-from-oil-for-generating-power-after-2015.html>

## Other News

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Nothing to report.

## International News

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### Update: Oil Flow on Iraq's Kirkuk-Ceyhan Pipeline Has Resumed July 11

Oil pumping has resumed from Kirkuk in Iraq to the port of Ceyhan in Turkey after a pipeline leak caused a disruption in the flow of crude. Pumping through the pipeline had been suspended since June 21 because of a leak in the Ain al-Jahsh area, northwest of Baghdad.

Reuters, 7:27 July 11, 2013

## Energy Prices

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U.S. Oil and Gas Prices			
July 11, 2013			
	Today	Week Ago	Year Ago
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	104.74	101.89	85.54
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	3.69	3.58	2.87

Source: Reuters

## 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 ET every Wednesday.

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

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

Updated after 2:00 PM ET every Thursday.

### ENERGY ASSURANCE DAILY

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

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