



# ENERGY ASSURANCE DAILY

Monday Evening, November 28, 2016

## Electricity

### Strong Storms, High Winds Knock Out Power to Customers across Midwest, South November 28

Strong storms producing high winds moved across the Midwest and South, knocking out power to at least 65,760 customers on Monday. Wind gusts up to 54 mph were reported. As of 4:30 p.m. EST Monday, 49,162 customers remained without power. The table below shows total affected customers and the latest reported outages by utility. The “Affected” column shows the total count of customers that lost power at one point or another over the course of the storm for each utility. These outages may not have occurred concurrently and are not the same as peak outages.

Midwest, South Customer Power Outages			
November 28, 2016			
Electric Utility	State	Affected	Latest Reported
City of Huntsville	AL	2,499	25
Indiana and Michigan Power	IN	4,329	4,329
Entergy	LA	7,958	6,376
SWEPCO	LA	2,515	1,768
Entergy	MS	8,291	7,961
Southern Pine Electric Power Association	MS	4,500	3,983
Memphis Light Gas and Water	TN	9,276	3,936
Sevier County Electric System	TN	1,013	414
AEP	TX	14,357	14,350
CenterPoint Energy	TX	4,830	2,037
Oncor	TX	4,328	3,158
Entergy	TX	1,864	825

Sources:

- <https://www.hsvutil.org/outagemap/>
- <https://www.indianamichiganpower.com/outages/outageMap.aspx>
- <http://viewoutage.entergy.com/la.aspx>
- <https://www.swepco.com/outages/outageMap.aspx>
- <http://viewoutage.entergy.com/ms.aspx>
- <http://outages.southernpine.coop/>
- <http://azimuth.mlgw.org/OutageSummary.php>
- <http://www.sces.net:88/>
- <https://www.aeptexas.com/outages/outageMap.aspx>
- <http://viewoutage.entergy.com/tx.aspx>
- <http://viewoutage.entergy.com/tx.aspx>
- <http://newsok.com/the-latest-14000-customers-lose-power-in-mississippi/article/feed/1121332>

### Update: Duke Energy’s 846 MW Oconee Nuclear Unit 1 in South Carolina Restarts November 27, Ramps Up to 85 Percent by November 28

The unit as shut from full power on November 5 due to unknown causes.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2016/>

## **Southern's 830 MW Farley Nuclear Unit 1 in Alabama Shut November 27**

The unit shut from full power due to voltage oscillations.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2016/>

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2016/20161128en.html>

## **Mountainview Power Company's 525 MW Gas-fired Unit 4 in California Reduced by November 27**

The unit entered an unplanned curtailment of 215 MW.

<http://content.caiso.com/unitstatus/data/unitstatus201611271515.html>

## **NRC Regulators Return to Inspect Entergy's 680 MW Pilgrim Nuclear Power Plant in Massachusetts November 28**

Inspectors from the Nuclear Regulatory Commission (NRC) arrived Monday at Entergy's Pilgrim Nuclear Power Station in Plymouth, Massachusetts for three weeks of inspections. Officials said the inspection will cover several areas including what they describe as the willingness of Pilgrim to emphasize safety over other goals. The NRC is planning to release a public report within 45 days of the inspection's completion. Entergy has announced it will close the plant in 2019.

Reuters, 15:31 November 28, 2016

## ***Petroleum***

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### **PBF Reports Repairs Underway after Malfunction at Its 182,200 b/d Delaware City, Delaware Refinery November 23**

PBF Energy reported emissions due to an interruption in processing at its Delaware City, Delaware refinery. The release was stopped and repairs were being made, PBF said.

Reuters, 14:48 November 23, 2016

### **Motive Shuts Coker at Its 237,700 b/d Norco, Louisiana Refinery to Repair Leak November 28 – Sources**

Motiva Enterprises shut the delayed coker at its Norco, Louisiana, refinery on Monday to repair a leak, said sources familiar with plant operations. The length of time needed to repair the leak on the 25,000 b/d coker's column was not known on Monday afternoon, the sources said.

Reuters, 13:49 November 28, 2016

### **Marathon Reports Operations Normal after Malfunction at Its 459,000 b/d Galveston Bay, Texas Refinery November 28**

Marathon Petroleum reported aromatic recovery unit issues during startup resulting in a sulfur dioxide release from the incinerator at its Galveston Bay, Texas refinery, according to a filing with the Texas Commission on Environmental Quality. The unit was able to resolve the issue and resume normal operations.

Reuters, 9:36 November 28, 2016

Reuters, 21:32 November 24, 2016

### **Valero Reports Hydrocracker Upset at Its 335,000 b/d Port Arthur, Texas Refinery November 25**

Valero Energy reported a hydrocracking unit upset at its Port Arthur, Texas refinery on November 25, according to a filing with the Texas Commission on Environmental Quality.

Reuters, 20:41 November 27, 2016

### **LyondellBasell Reports Flaring at Its 263,776 b/d Houston, Texas Refinery November 25**

LyondellBasell Industries reported flaring at its Houston, Texas refinery on November 25, according to a filing with the Texas Commission on Environmental Quality.

Reuters, 20:28 November 27, 2016

### **Total Reports Unit Rates Cut, Flaring at Its 225,500 b/d Port Arthur, Texas Refinery November 27**

Total reported unit operation rates were reduced at its Port Arthur, Texas refinery. Total also said a pressure safety valve (PSV) relieved to the flare gas recovery system, which became oversupplied resulting in intermittent flaring from the north flare.

Reuters, 11:22 November 28, 2016

### **Valero Reports Unit Upset at Its 100,000 b/d Houston, Texas Refinery November 28**

Valero Energy Corp reported an upset occurred within a unit at its Houston, Texas refinery, resulting in emissions from the flares. Valero said the unit was safely de-pressured to the flares.

Reuters, 14:55 November 28, 2016

### **PBF Reports Unplanned Flaring at Its 151,300 b/d Torrance, California Refinery November 26**

PBF Energy reported unplanned flaring due to a breakdown at its Torrance, California refinery on November 26, according to a filing with the South Coast Air Quality Management District.

Reuters, 3:03 November 26, 2016

### **Shell Reports Restarting Unit at Its Scotford, Alberta Facility November 24**

Royal Dutch Shell reported restarting a unit at its Scotford, Alberta facility on November 24, according to a community alert line. The Scotford facility houses a 100,000 b/d refinery and a 255,000 b/d oil sands upgrader.

Reuters, 3:26 November 25, 2016

### **NARL Refining to Limit Production at Its 130,000 b/d Come By Chance, Newfoundland Refinery November 23 – Source**

NARL Refining planned to shut the 55,000 b/d vacuum distillation unit within 24 hours at its Come By Chance refinery in Newfoundland, in order to repair a leak, a source familiar with the plant's operations said on November 23. The refinery, which can run up to 130,000 b/d, would limit production rates during repairs, the source said. The repairs were expected to last up to a week, the source said.

Reuters, 15:06 November 23, 2016

### **Canada Plans New Fuel Rules to Cut Emissions 30-Megatonnes by 2030**

Canada will require reduced carbon footprints for all fuels so that the country can achieve a 30-megatonne cut in greenhouse gas emissions by 2030, the country's environment department said on Friday. The government will not mandate specific changes to fuels and will focus just on reducing their emissions, officials said. Precise steps are to be determined after consultations, including with Canada's provinces and relevant industries, and the government will release a discussion paper in February 2017, according to Environment and Climate Change Canada.

<http://news.gc.ca/web/article-en.do?mthd=advSrch&ctr.page=1&ctr.dptID=6672&nid=1161279>

Reuters, 16:28 November 25, 2016

## ***Natural Gas***

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### **Piedmont Request Permit to Build 10-Inch Natural Gas Pipeline Replacement under Cape Fear River in North Carolina**

Piedmont Natural Gas requested a permit to build a new 10-inch natural gas pipeline under the Cape Fear River to help it serve Wilmington. The current 8-inch pipeline would be emptied and capped. The request said Piedmont Natural Gas would need to build 2 miles of new pipeline and realign some pipes leading to the river.

Reuters, 12:01 November 27, 2016

## ***Other News***

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Nothing to report.

## International News

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### **Nigerian Pipeline Attacked by Niger Delta Militants – Community Leader**

Militants attacked a 42-inch crude oil pipeline operated by Nigeria's state oil firm NNPC and ND Western in the Niger Delta, a community leader said on Monday. Nigeria's crude production, which was 2.1 million b/d at the start of 2016, fell by around a third in the summer following a series of attacks by Delta militants who want a greater share of the country's energy wealth to go to the impoverished southern oil-producing region.

Reuters, 8:02 November 28, 2016

### **Libyan Oil Output Increases to 567,000 b/d after Power Outage Repair – Source**

Libya's oil production has risen by more than 40,000 b/d to 567,000 b/d after repairing power supplies to the Waha and Dafa oilfields, a senior Libyan oil source said on Thursday. NOC says it intends to boost production to 900,000 b/d by year end and to 1.1 million b/d in 2017.

Reuters, 7:04 November 24, 2016

## Energy Prices

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<b>U.S. Oil and Gas Prices</b>			
November 28, 2016			
	<b>Today</b>	<b>Week Ago</b>	<b>Year Ago</b>
<b>CRUDE OIL</b>			
<b>West Texas Intermediate U.S.</b>	45.51	47.43	40.78
\$/Barrel			
<b>NATURAL GAS</b>			
<b>Henry Hub</b>	2.74	2.58	2.11
\$/Million Btu			

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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