



# ENERGY ASSURANCE DAILY

Thursday Evening, August 18, 2016

## ***Electricity***

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### **Update: Over 10,000 Customers Remain without Power in Louisiana August 18 after Strong Storms, Flooding Hit August 14–15**

Power restoration efforts were continuing on Wednesday after heavy rains and historic flooding knocked out power to at least 32,517 Entergy Louisiana and 28,000 Dixie Electric Membership Corporation (DEMCO) customers in Southeast Louisiana beginning on Sunday night. As of 3:30 p.m. EDT Wednesday, 8,225 Entergy Louisiana and 2,614 DEMCO customers remained without power. Entergy on Thursday said as the floodwater moves south, more of its customers are being affected, raising the total number of affected customers. In areas where customers experienced outages due to flooding of its facilities, Entergy said it will work to expedite restoration of power when the water recedes. The utility said it will be following the flood waters as they recede so it can assess actions for restoration of service to customer homes that sustained flooding. In some cases, it will be necessary to pull the electric meter and customers may need to obtain an electrician to ensure their electrical wiring is safe before service can be reconnected, Energy said. Additional workers from Entergy sister companies in New Orleans, Arkansas, Mississippi, and Texas are helping in the restoration efforts. Additionally, Entergy said gas personnel were patrolling areas affected by flooding to assess damage to gas meters and associated facilities. Current estimates are up to 25,000 gas meters may have been submerged and need replacing. DEMCO on Thursday said crews were making significant progress restoring power and the majority of customers who remain without are in the Ascension Parish region.

<http://www.etrviewoutage.com/external/la.aspx>

[http://entergystormcenter.com/article.aspx?NR\\_ID=900](http://entergystormcenter.com/article.aspx?NR_ID=900)

<https://www.facebook.com/DEMCOLouisiana>

<http://demco.maps.sienatech.com/>

### **Update: AES's 498 MW Alamitos Gas-fired Unit 5 in California Returns to Service by August 17**

The unit returned from an unplanned curtailment of 248 MW that began on August 16.

<http://content.aiso.com/unitstatus/data/unitstatus201608171515.html>

### **RRI Energy's 775 MW Ormond Beach Gas-fired Unit 2 in California Reduced by August 17**

The unit entered an unplanned curtailment of 105 MW.

<http://content.aiso.com/unitstatus/data/unitstatus201608171515.html>

### **Calpine's 120 MW Gilroy Gas-fired Unit in California Shut by August 17**

The unit entered an unplanned outage.

<http://content.aiso.com/unitstatus/data/unitstatus201608171515.html>

### **Calpine's 561 MW Los Medanos Gas-fired Unit in California Reduced by August 17**

The unit entered an unplanned curtailment of 314 MW.

<http://content.aiso.com/unitstatus/data/unitstatus201608171515.html>

### **Third-Party Power Outage Disrupts Steam Supply, Production Levels at LyondellBasell's 263,776 b/d Houston, Texas Refinery August 18**

LyondellBasell Industries Houston, Texas refinery was knocked out of production on Thursday after a lightning strike disrupted steam production from a third-party supplier, according to Gulf Coast market sources. Earlier on Thursday the company reported flaring to a community information line, and later confirmed the refinery lost steam supply due to a lightning strike and resulting power interruption from an external steam supplier, which led to the loss of steam supply to the refinery. According to three other sources, Lyondell expected to avoid a complete shutdown of multiple units, adding that operations may attempt to restore production on some of the units later on Thursday once steam supply was restored. Prior to the lightning strike, the refinery had been at reduced production levels since Wednesday, when the 42,000 b/d coking unit was shut to replace piping that may be subject to corrosion, the sources said. This incident marks the second time in August in which Lyondell has had to contend with an unplanned production interruption. A brief power outage at the sulfur recovery complex on August 9 triggered 12 hours of flaring at the refinery that released 592,500 pounds of sulfur dioxide and 6,400 pounds of hydrogen sulfide, according to filings with state regulators.

Reuters, 16:13 August 18, 2016

Reuters, 14:54 August 18, 2016

Reuters, 13:08 August 18, 2016

### **Marathon Shuts Hydrocracker after Small Fire at Its 212,000 b/d Robinson, Illinois Refinery August 17 – Source**

Marathon Petroleum shut a 31,000 b/d hydrocracker after a small fire at its Robinson, Illinois, refinery on Tuesday, according to a source familiar with the plant's operations. The refinery experienced a small fire on a process unit late on Tuesday and there were no injuries or impact to the community, according to a Marathon spokesperson. The company expects the repairs on the unit to last up to two weeks, the source added.

Reuters, 19:51 August 17, 2016

### **Flint Hills Reports Flaring at Its 295,630 b/d Corpus Christi, Texas Refinery August 17**

Flint Hills Resources reported operating conditions at the West plant of its Corpus Christi, Texas refinery made flaring necessary, according to a community alerting system. On Thursday, the company reported that flaring began at about 2:03 p.m. CDT on August 17 due to a power outage.

Reuters, 14:32 August 18, 2016

Reuters, 15:21 August 17, 2016

### **Valero Reports Equipment Malfunction at Its 293,000 b/d Corpus Christi, Texas Refinery August 18**

Valero Energy Corp reported an equipment malfunction from the East plant at its Corpus Christi, Texas refinery, according to a filing with the Texas Commission on Environmental Quality.

Reuters, 11:46 August 17, 2016

### **Valero Reports Process Unit Upset at Its 89,000 b/d Three Rivers, Texas Refinery August 17**

Valero Energy Corp reported a temporary process unit upset at its Three Rivers, Texas refinery, according to a filing with the Texas Commission on Environmental Quality.

Reuters, 17:21 August 17, 2016

## **PSC Approves Siting Permits for Three Pipeline Projects in North Dakota August 17**

The North Dakota Public Service Commission (PSC) on Wednesday approved siting permits for three new pipeline projects—one natural gas liquids (NGLs) pipeline and two crude oil pipelines. The first permit approved is for ONEOK Bakken Pipeline, LLC to construct and operate the 14.4-mile, 16-inch Garden Creek Loop NGL Pipeline Project in McKenzie County. The pipeline, which will transport Y-grade NGLs, will parallel and interconnect with the existing ONEOK Garden Creek NGL Pipeline to expand its capacity from 74,000 b/d to 93,000 b/d. The existing Garden Creek Pipeline starts at the ONEOK Rockies Midstream Garden Creek Gas Plants near Watford City and proceeds through McKenzie County. The second permit approved is for BOE Pipeline, LLC to construct and operate a new 165,000 b/d crude oil pipeline in Dunn and McKenzie Counties. The 41.8-mile, 16-inch pipeline will carry crude oil from an Area Custody Transfer meter near Johnson's Corner to the BOE terminal near Killdeer, which is connected by an existing pipeline to the BOE Rail Hub located southwest of Dickinson. The BOE Rail Hub is a loading facility that provides producers and marketers access to destinations served by local rail. The third permit approved is for Plains Terminals North Dakota, LLC to construct and operate the Johnson's Corner to Dakota Access Pipeline Project in McKenzie County. The 3.5-mile, 16-inch pipeline will be constructed to allow crude to flow in either direction and will have a maximum capacity of 150,000 b/d, with a normal throughput of approximately 50,000 b/d. The pipeline will start at the Plains Johnsons Corner Terminal and will extend to end at the Dakota Access Pipeline Johnsons Corner Terminal Facility. From the Dakota Access Terminal, the crude oil will be transported via interconnecting pipelines for distribution to refineries across the U.S.

<http://www.psc.nd.gov/public/newsroom/2016/8-17-16PipelineApprovals.pdf>

## **Enbridge Apportions Mainline Pipeline in Saskatchewan on Short-Term Operational Issues August 17**

Enbridge Inc announced a mid-month apportionment on its Mainline pipeline for August as a result of short-term operational issues on its upstream heavy system, according to a letter to customers on Wednesday reviewed by Reuters. For current August nominations, crude shipments on Line 4/67 will be apportioned by 7 percent, the letter said. Enbridge told customers at the end of July that it was limiting deliveries from heavy feeder crude pipelines in Edmonton, Alberta, due to high inventories. At that point, traders had predicted that receipt restrictions could lead to pipeline apportionments in coming weeks.

Reuters, 15:46 August 17, 2016

## ***Natural Gas***

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### **Update: ETNG Lifts Force Majeure August 18 at Its Tracy City Compressor Station in Tennessee after Unplanned Outage August 17**

Spectra Energy Partners' East Tennessee Natural Gas (ETNG) on Thursday lifted the force majeure issued on Wednesday at its Tracy City compressor station in Tracy City, Tennessee. ETNG on Wednesday declared force majeure due to an unplanned outage at the compressor station. The East Tennessee Natural Gas pipeline transports 1.86 Bcf/d of natural gas through 1,525 miles of pipeline.

<https://infopost.spectraenergy.com/infopost/ETHome.asp?pipe=ET&mode=1>

Reuters, 11:06 August 18, 2016

## ***Other News***

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Nothing to report.

## ***International News***

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### **Update: Iraq Resumes Pumping Oil through Kurdish Pipeline after March Export Dispute**

Iraq resumed pumping oil from fields operated by state-run North Oil Company (NOC) via a Kurdish pipeline to Turkey, a spokesman for the oil ministry in Baghdad said on Thursday. About 70,000 b/d were being pumped through the pipeline controlled by the Kurdish regional authorities, a spokesman told Reuters. Pumping stopped in March due to a dispute between the government in Baghdad and the Kurdistan Regional Government (KRG) over the control of Kurdish oil exports.

Reuters, 12:13 August 18, 2016

## Libya's NOC Says Tankers to Begin Oil Stocks Transfer from Conflict-Prone Zueitina Port

Libya's National Oil Corporation (NOC) said on Thursday that rival forces had agreed to let a tanker dock at Zueitina port to load oil and deliver it to a more secure location. The NOC said the *New Hellas* would transport about 620,000 barrels of oil at a time to Zawiya, and that it would charter additional ships to finish the process as soon as possible. The Zueitina storage tanks contain about 3,080,000 barrels of crude oil and 180,000 barrels of condensate. The NOC expressed concern earlier this month after reports of possible clashes between the Petroleum Facilities Guard (PFG) and forces loyal to eastern commander Khalifa Haftar. The PFG has signed a deal to end its blockade of Zueitina and two other ports with the U.N.-backed Government of National Accord (GNA) in Tripoli, but eastern forces loyal to a separate government have threatened to block a resumption of exports.  
Reuters, 12:29 August 18, 2016

## Energy Prices

U.S. Oil and Gas Prices			
August 18, 2016			
	Today	Week Ago	Year Ago
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	48.15	43.46	42.53
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	2.71	2.73	2.76

Source: Reuters

## Links

***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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