



# ENERGY ASSURANCE DAILY

Tuesday Evening, August 04, 2015

## Major Development

### OE/ISER Situation Report: Super Typhoon Soudelor

[http://www.oe.netl.doe.gov/named\\_event.aspx?ID=76](http://www.oe.netl.doe.gov/named_event.aspx?ID=76)

## Electricity

### Strong Storms Knock Out Power to Over 220,000 Customers in New England, New York August 4

A line of powerful thunderstorms with strong winds moved through portions of southern New England knocking out power to 223,079 customers Tuesday morning. As of 3:30 p.m. EDT Tuesday, 117,759 customers remained without power. Isolated wind gusts of more than 60 mph were reported along with severe lightning before the front moved offshore. National Grid said its restoration efforts could last as long as Wednesday before power is restored to all customers.

New England, New York Customer Power Outages			
August 4, 2015			
Electric Utility	State	Peak	Latest Reported
Eversource	CT	28,439	8,778
National Grid	MA	14,730	4,605
Eversource	MA	15,983	8,732
PSEG Long Island	NY	42,500	73
National Grid	RI	121,427	95,571
<b>TOTAL*</b>		<b>223,079</b>	<b>117,759</b>

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

Sources:

<https://www.eversource.com/clp/outage/outagemap.aspx>

<https://twitter.com/eversourcect>

<https://www1.nationalgridus.com/PowerOutageMap>

<https://twitter.com/psegli>

<https://www.psegliny.com/c.cfm/Outage>

<http://www.abc6.com/story/29703030/thousands-without-power-after-thunderstorms>

<http://wpri.com/2015/08/04/thousands-without-power-throughout-the-state/>

## Update: Over 63,000 Customers Remain Without Power August 4 after Strong Storms Hit Illinois, Michigan, Ontario August 2

Power restoration continued Tuesday after strong storms moved across Illinois, Michigan, and Ontario on Sunday, knocking out power to 424,138 customers. As of 3:30 p.m. EDT Tuesday, 63,141 customers remained without power. High wind gusts up to 70 mph, hail, and dangerous lightning were reported. Consumers Energy, which reported 162,000 customers without power in Michigan, said most of its customers will have power restored by late Wednesday. Great Lakes Energy said extensive storm damage is requiring replacement of lines, poles, and equipment causing some customers to remain without power through Thursday.

<b>Illinois, Michigan, and Ontario Customer Power Outages</b>			
August 2–4, 2015			
<b>Electric Utility</b>	<b>State</b>	<b>Peak</b>	<b>Latest Reported</b>
Commonwealth Edison	IL	95,000	563
Consumers Energy	MI	162,000	32,951
DTE	MI	75,000	17,033
Great Lakes Energy Cooperative	MI	16,000	4,413
Cherryland Electric	MI	9,000	1,777
Traverse City Light and Power	MI	5,601	1,989
Hydro One	Ontario	61,537	4,415
<b>TOTAL*</b>		<b>424,138</b>	<b>63,141</b>

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

Sources:

[https://www.comed.com/pages/default.aspx?trackfile=/newsroom/pages/newsreleases\\_08022015.doc](https://www.comed.com/pages/default.aspx?trackfile=/newsroom/pages/newsreleases_08022015.doc)

[https://www.comed.com/\\_layouts/comedsp/OutageMap.aspx](https://www.comed.com/_layouts/comedsp/OutageMap.aspx)

<http://www.consumersenergy.com/outagemap>

<https://www.consumersenergy.com/News.aspx?id=8110&year=2015>

<http://www.dteenergy.com/map/outage.html>

<http://www.gtlakes.com/storm-central/>

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

<http://cherrylandelectric.coop/outage-center/>

<https://twitter.com/cecelec>

<http://www.tclp.org/Display/ItemDetails/Item/264>

<http://www.hydroone.com/StormCenter3/>

<http://hydroone.mediaroom.com/index.php?s=2429&item=122723>

## APS's 1,540 MW Four Corners Coal-Fired Power Plant in New Mexico Evacuated after Suspicious Devices Found August 3

Arizona Public Service (APS) evacuated its Four Corners power plant on Monday after three suspicious devices were found nearby. Law enforcement officials removed the devices to an isolated area at the plant in Fruitland, some 190 miles northwest of Albuquerque, and destroyed them. Officials determined the devices were not explosives or a threat to plant personnel or operations, a spokeswoman for APS said. The placement of the devices comes a day after explosions in a mailbox and trash receptacle outside two churches in the southern part of the state. Investigators were working to determine whether the two incidents were linked.

<http://finance.yahoo.com/news/mexico-power-plant-evacuated-suspicious-014625907.html>

<https://www.aps.com/en/ourcompany/generationtransmission/generation/Pages/four-corners.aspx>

## Update: AES's 175 MW Redondo Gas-fired Unit 6 in California Returns to Service by August 3

The unit returned from an unplanned outage that began on August 2.

<http://content.aiso.com/unitstatus/data/unitstatus201508031515.html>

## RRI Energy's 320 MW Etiwanda Gas-fired Unit 3 in California Shut by August 3

The unit entered an unplanned outage.

<http://content.aiso.com/unitstatus/data/unitstatus201508031515.html>

## **Tampa Electric Announces Plans to Build 25 MW Solar Project at Its Big Bend Power Station in Apollo Beach, Florida August 4**

Tampa Electric, subsidiary of TECO Energy, today announced the utility will build a 25 MW facility that will feature more than 70,000 solar panels on 125 acres of company-owned land at the Big Bend Power Station in Apollo Beach. The project is scheduled to be completed in 2016.

<http://www.businesswire.com/news/home/20150804005371/en/Tampa-Electric-Announces-Plans-Build-Largest-Solar#.VcC5AflViko>

## ***Petroleum***

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### **Update: Oil Spill of ‘Less than 1,000 Gallons’ Near Bayonne, New Jersey Mostly Cleaned Up – Coast Guard**

The Coast Guard on Monday said most of the oil that spilled when a tugboat hit a pier at Bayonne, New Jersey’s International-Matex Tank Terminal (IMTT) on Saturday has been cleaned up. Less than 1,000 gallons of oil spilled onto the pier and into the water, a Coast Guard spokeswoman said. A contractor hired by IMTT was removing the remaining oil, and the Coast Guard was overseeing recovery operations. When the spill was reported at 10 p.m. EDT on Saturday, members of the Coast Guard’s pollution response team were immediately sent to the site. That team, along with terminal employees, shut off the oil flow to the pier using a lever system. The Coast Guard also launched more than 2,500 feet of containment boom into the water surrounding the terminal and is investigating why the tugboat collided with the pier.

[http://www.nj.com/hudson/index.ssf/2015/08/bayonne\\_oil\\_spill\\_of\\_less\\_than\\_1000\\_gallons\\_mostly.html](http://www.nj.com/hudson/index.ssf/2015/08/bayonne_oil_spill_of_less_than_1000_gallons_mostly.html)

### **Update: Marathon Seeks Alternative Power at Its 212,000 Catlettsburg, Kentucky Refinery after Power Outage – Source**

Marathon Petroleum was seeking alternative sources of power to restart units at its refinery in Catlettsburg, Kentucky after a substation was damaged on Sunday, according to a person familiar with the plant’s operations. The alternative power would allow the company to restart the units while the substation is repaired, the source said. The company confirmed the power problems on Monday. A transformer exploded at the plant Sunday, causing all units to be shut down. The company said emergency officials were working to bring back full operations.

Reuters, 13:43 August 4, 2015

Reuters, 18:30 August 3, 2015

### **HollyFrontier to Resume Normal Operations at Its 138,000 b/d El Dorado, Kansas Refinery after Partial Power Loss August 3**

HollyFrontier said its refinery in El Dorado, Kansas, was working to return the plant to normal operations after a partial power loss on Monday afternoon. Industry intelligence firm Genscape earlier reported significant elevated flaring at the refinery.

Reuters, 19:12 August 3, 2015

### **Alon May Add Alkylation Unit at Its 80,000 b/d Krotz Springs, Louisiana Refinery – CEO**

Alon USA Energy may add an alkylation unit to its refinery in Krotz Springs, Louisiana, to take advantage of increasing demand for high-octane gasoline, the company’s Chief Executive said on Tuesday. He also said Alon aims to shut down the Krotz Springs plant in next month for a full turnaround. It will resume operations in October, he said.

Reuters, 11:13 August 4, 2015

### **Phillips 66 Reports Process Upset at Its 146,000 b/d Borger, Texas Refinery August 3**

Reuters, 18:17 August 3, 2015

### **Shell Restarting Unit at Its Scotford, Alberta Facility August 4**

Royal Dutch Shell Plc was restarting a unit at its Scotford, Alberta facility and warned of intermittent flaring for next 48 hours, according to a community information line. The Scotford facility houses a 100,000 b/d refinery and a 255,000 b/d oil sands upgrader

Reuters, 9:30 August 4, 2015

## **ExxonMobil to Expand Domestic Crude Oil Processing Capacity at Its Beaumont, Texas Refinery**

ExxonMobil said it will add flexibility to process light crudes at its Beaumont refinery, increasing production capacity by approximately 20,000 b/d. The increase in capacity at the Beaumont refinery is made possible in large part by abundant, affordable supplies of light crude from shale.

<http://news.exxonmobil.com/press-release/exxonmobil-expand-us-domestic-crude-processing-capacity-beaumont-refinery>

## ***Natural Gas***

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### **Kinder Morgan Gas Pipeline Ruptures, Explodes in Texas August 3; Force Majeure Declared on August 4**

Tennessee Gas Pipeline Company (TGP), a Kinder Morgan company, declared force majeure on its Tennessee Gas Pipeline system after an explosion east of Falfurrias, Texas injured two people on Tuesday. The Brooks County Sheriff's Department said authorities evacuated residents living within half a mile of the scene, but were allowed to return home after five hours. Kinder Morgan said it was continuing to assess the situation and will conduct an investigation into the cause of the release. A company spokeswoman said as of Monday night, the impacted segment of the TGP pipeline was shut down and isolated from the TGP system. Natural gas service was being diverted to other lines on the system, and TGP was working with its shippers to minimize any reduction in service and anticipates no loss of service to residential customers. Plans for Tuesday included excavating the site and working on plans to repair the line in order to resume service.

[http://pipeline2.kindermorgan.com/Notices/NoticeDetail.aspx?code=TGP&notc\\_nbr=356636&date=8/4/2015&subject=&notc\\_type=-1&notc\\_sub\\_type=-1&notc\\_ind=C](http://pipeline2.kindermorgan.com/Notices/NoticeDetail.aspx?code=TGP&notc_nbr=356636&date=8/4/2015&subject=&notc_type=-1&notc_sub_type=-1&notc_ind=C)

Reuters, 14:33 August 4, 2015

Reuters, 11:13 August 4, 2015

Reuters, 00:19 August 4, 2015

Reuters, 23:13 August 3, 2015

### **Azure Midstream Energy Announces Growth Expansion Project on Holly Gas Gathering System in Louisiana**

Azure Midstream Energy, LLC today announced construction commenced on its Holly Production Optimization Project, which will extend the core Holly footprint and reduce line pressures across Holly, maximizing the utilization of the 2.1 Bcf/d capacity system. Holly is primarily located within the DeSoto, Red River, and Caddo parishes of North Louisiana and currently serves the Haynesville and Bossier shale formations and the liquids-rich Cotton Valley formation. As of June 30, 2015, the Holly system consists of approximately 335 miles of high- and low-pressure pipeline, with approximately 69,000 dedicated gross acres. The system also includes four amine treating plants with combined capacity of 920 MMcf/d and two 1,340 horsepower compressors with connections to eight downstream access points, providing shippers with access to significant off-take capacity. As part of the optimization project, reducing pressure from over 1,200 to 500 pounds per cubic enhances volume deliverability from new and existing production. Azure will also add a 9-mile extension of 12-inch gathering pipeline. The lateral line will connect existing dedicated production on the northwest side of Holly and connect to several prospective undeveloped sections dedicated from existing anchor producers. The optimization will also add approximately 15,000 horsepower of compression with ultimate capacity of 600 MMcf/d and is expected to be in service by October of 2015.

<http://investor.azuremidstreampartners.com/phoenix.zhtml?c=253822&p=irol-newsArticle&ID=2075364>

## ***Other News***

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Nothing to report.

### Explosion Hits Shah Deniz Gas Pipeline in Northeast Turkey August 4

An explosion hit Turkey's Shah Deniz pipeline carrying natural gas from Azerbaijan early on Tuesday, but there was no impact on supply because the flow was already suspended for maintenance, a senior Turkish energy official said. It was not immediately clear what caused the blast, but it comes days after an attack by the PKK Kurdish militant group halted the flow in a pipeline carrying crude oil to Turkey from Iraq. The explosion on the Shah Deniz pipeline took place in Turkey's Posof province near the Georgian border. BP said on Monday it had suspended operations on the Shah Deniz platform in the Caspian Sea as well as the Shah Deniz facility inside the Sangachal terminal for planned maintenance from August 2. Shah Deniz, Azerbaijan's biggest gas field, is being developed by partners including BP, Azeri state energy company SOCAR and others.

Reuters, 6:09 August 4, 2015

## Energy Prices

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U.S. Oil and Gas Prices			
August 4, 2015			
	Today	Week Ago	Year Ago
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	45.70	48.07	98.05
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	2.75	2.84	3.75

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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