



# ENERGY ASSURANCE DAILY

Thursday Evening, March 31, 2016

## Electricity

### High Winds Knock Out Power to Over 26,000 Customers in Massachusetts, Rhode Island March 31

High winds knocked out power to 26,100 customers in Massachusetts and Rhode Island on Thursday afternoon. Wind gusts of up to 38 mph were reported and a "High Wind Warning" remains in effect until 9:00 p.m. EDT Thursday night. As of 4:30 p.m. EDT Thursday, 24,476 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.

Massachusetts, Rhode Island Customer Power Outages			
March 31, 2016			
Electric Utility	State	Affected	Latest Reported
Eversource	MA	9,225	5,122
National Grid	MA	9,223	8,610
National Grid	RI	7,744	7,744
<b>TOTAL *</b>		<b>26,100</b>	<b>21,476</b>

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

Sources:

[https://s3.amazonaws.com/stormcenter.nationalgridus.com/external/sc\\_ri.html](https://s3.amazonaws.com/stormcenter.nationalgridus.com/external/sc_ri.html)

[https://s3.amazonaws.com/stormcenter.nationalgridus.com/external/sc\\_ma.html](https://s3.amazonaws.com/stormcenter.nationalgridus.com/external/sc_ma.html)

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

<https://twitter.com/eversourcema>

<http://patch.com/massachusetts/needham/nearly-300-without-power-needham-0>

[http://www.lowellsun.com/breakingnews/ci\\_29709332/wind-rakes-region-knocking-down-trees](http://www.lowellsun.com/breakingnews/ci_29709332/wind-rakes-region-knocking-down-trees)

### Storms, Tornado Knocks Out Power to 12,000 Customers in Oklahoma March 30

Strong storms producing a tornado knocked out power to 10,000 Public Service Company of Oklahoma (PSO) customers and 2,000 Verdigris Valley Electric Cooperative (VVEC) customers in north Tulsa, Oklahoma on Wednesday night. The utilities reported numerous downed power poles and structures. As of 3:30 p.m. EDT Thursday, PSO reported 1,215 customers remained without power and said it expects to have power restored by early evening on Thursday. VVEC reported full restoration by 11:00 a.m. EDT Thursday.

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

<https://www.psoklahoma.com/outages/outageMap.aspx>

<https://ebill.vvec.com/woViewer/mapviewer.html?config=Outage+Web+Map>

<http://www.fox23.com/news/thousands-left-powerless-after-storms/189472780>

### Update: Outage Extended at Entergy's 2,069 MW Indian Point Nuclear Power Plant after Failed Inspection March 29

Entergy Corp said on Tuesday that an outage at its Indian Point Unit 2 would be extended by several weeks after failing a mandatory maintenance inspection as part of the plant's licensing renewal. Entergy said the inspection found that bolts and bars which hold the reactor's removable insert liner in place were missing, and that about 11 percent of the 2,000 bolts inspected were faulty. Entergy said the repairs would extend the unit's outage, which began in early March.

Reuters, 20:39 March 29, 2016

<http://www.wkbw.com/news/state-news/faulty-bolts-raise-concerns-about-indian-point-nuclear-plant>

### **Update: Energy Northwest's 1,107 MW Columbia Generating Station Nuclear Unit in Washington Restarts, Ramps Up to 15 Percent by March 31**

The unit was shut from full power on Monday in order to investigate an issue with a valve that was discovered during a maintenance test. The plant is expected to be running at 100 percent power by the weekend, a public affairs supervisor said.

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

Reuters, 1:45 March 30, 2016

Reuters, 13:03 March 31, 2016

### **Progress Energy's 872 MW Brunswick Nuclear Unit 1 in North Carolina Reduced to 50 Percent by March 31**

On the morning of March 30 the unit was operating at 95 percent.

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

### **AES's 226 MW Huntington Beach Gas-fired Unit 2 in California Shut by March 30**

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201603301515.html>

### **Solar Partners' 123 MW Ivanpah Solar Unit 1 in California Shut by March 30**

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201603301515.html>

### **Solar Partners' 133 MW Ivanpah Solar Unit 3 in California Shut by March 30**

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201603301515.html>

## ***Petroleum***

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### **Kinder Morgan Suspends Its Palmetto Pipeline Project after Georgia Legislative Freeze**

Kinder Morgan Inc has suspended work on its \$1.12 billion Palmetto gasoline and distillate pipeline project after the Georgia legislature imposed a permitting freeze until at least mid-2017, the company said on Wednesday. The Palmetto Pipeline involves an expansion the existing 700,000 b/d Plantation Pipeline System from Baton Rouge, LA and Pascagoula, MS to Belton, SC. From Belton, a new 167,000 b/d segment will traverse 360 miles through North August, SC and Savannah, GA to Jacksonville, FL. In May 2015, Georgia lawmakers denied the company's request for a permit that would have allowed Kinder Morgan to use eminent domain if necessary to build the pipeline through the state. Last week Georgia lawmakers approved a moratorium on new pipeline permits until July 2017 to study how the state evaluates proposed pipelines apart from use of eminent domain to condemn property and obtain easements despite landowner opposition. The company had intended to start construction this year with startup activities planned for December 2017.

[http://www.kindermorgan.com/business/products\\_pipelines/palmetto/background.aspx](http://www.kindermorgan.com/business/products_pipelines/palmetto/background.aspx)

[http://www.kindermorgan.com/pages/business/products\\_pipelines/palmetto/](http://www.kindermorgan.com/pages/business/products_pipelines/palmetto/)

Reuters, 18:33 March 30, 2016

### **Update: ExxonMobil, State Regulators Reach Preliminary Agreement to Restart FCCU at Its 149,500 b/d Torrance, California Refinery March 31**

ExxonMobil and California's South Coast Air Quality Management reached a preliminary agreement to allow the restart of a damaged fluid catalytic cracking unit (FCCU) at its Torrance refinery, California state regulators said on Thursday. The unit has been shut from production after an explosion from the FCCU's electrostatic precipitator on February 18, 2015. ExxonMobil, which has agreed to transfer ownership of the facility to PBF Energy, must prove the FCCU is fully operational before the acquisition can close. Restart activities were originally slated to begin in mid-March, but were delayed following a power outage at the facility on March 16.

Reuters, 14:28 March 31, 2016

### **Update: Chevron Reports Unit Stabilized after Upset at Its 245,271 b/d Richmond, California Refinery March 30**

Chevron Corp reported an unspecified unit was stabilized after an upset at its Richmond, California refinery. The company on Wednesday reported a hydroprocessing plant had a processing upset due to an equipment malfunction, which caused emissions, according to a filing with the California Emergency Management Agency.

Reuters, 17:38 March 30, 2016

Reuters, 1:23 March 30, 2016

### **U.S. Crude Production Fell by 56,000 b/d to 9.179 Million b/d in January – EIA**

U.S. crude production in January fell by 56,000 b/d to 9.179 million b/d, according to monthly data from the U.S. Energy Information Administration (EIA) released on Thursday. That level was the lowest since October 2014, according to the EIA's data. Gulf of Mexico output fell 18,000 b/d while North Dakota's oil output was down 32,000 b/d from December levels. At the same time, production in Texas rose 25,000 b/d. Production for December was revised downward by an additional 27,000 b/d to 9.235 million b/d, according to the EIA.

Reuters, 12:49 March 31, 2016

## ***Natural Gas***

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### **DCP Midstream Reports Turbines Shut at Its 160 MMcf/d Goldsmith Gas Plant in Texas March 29**

DCP Midstream reported turbine A went down on "hi vibration" followed shortly by turbine B on "hi fuel pressure." This caused the loss of the propane engines along with the "5# engines." Operators were working to bring all equipment back online.

<http://www2.tceq.texas.gov/oce/ee/index.cfm?fuseaction=main.getDetails&target=230326>

### **Tallgrass Development Announces Agreement to Acquire Additional Interest in Rockies Express Pipeline March 29**

Tallgrass Development on Tuesday announced that its subsidiary, Rockies Express Holdings, has signed a purchase agreement with a unit of Sempra U.S. Gas and Power to acquire Sempra's 25 percent membership interest in Rockies Express Pipeline LLC (REX). The transaction has been approved by the applicable boards of both Tallgrass and Sempra and is subject to closing conditions. Tallgrass expects the transaction to close in the second quarter of 2016.

<http://ir-tep.tallgrassenergy.com/file/Index?KeyFile=33579802>

## ***Other News***

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Nothing to report.

## ***International News***

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### **Libya's Es Sider, Ras Lanuf, Zueitina Oil Ports Set to Reopen – Militia Leaders**

Three Libyan oil ports that have been closed for over a year are set to reopen after U.N.-sponsored government officials arrived in Tripoli on Wednesday, militia leaders said. Es Sider, Ras Lanuf, and Zueitina were all closed because of disputes between the Petroleum Facilities Guard and one of two rival governments. The militia leaders did not indicate a timeline for the port openings.

<http://www.wsj.com/articles/three-libya-oil-ports-set-to-reopen-1459447262>

## Energy Prices

U.S. Oil and Gas Prices March 31, 2016			
	Today	Week Ago	Year Ago
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	36.71	38.09	47.88
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	1.84	1.80	2.61

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.oenetl.doe.gov/ead.aspx>

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