



ENERGY ASSURANCE DAILY

Thursday Evening, April 07, 2016

Electricity

Strong Storms Knock Out Power to Over 127,000 Customers across Eastern U.S. April 6–7

Strong storms producing hail and high winds knocked out power to 127,826 customers across the Eastern states, Wednesday evening into Thursday. Utility companies reported numerous incidents of downed trees and power lines. As of 3:30 p.m. EDT Thursday, 27,593 customers remained without power. Georgia Power, the hardest hit utility with 26,000 customer outages, this morning said it had restored power to over 20,000 customers and expected to complete restoration today. 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.

Eastern U.S. Customer Power Outages			
April 6–7, 2016			
Electric Utility	State	Affected	Latest Reported
United Illuminating Co	CT	1,919	113
Georgia Power	GA	26,000	709
Jackson EMC	GA	3,500	8
Utilities District of Western Indiana REMC	IN	6,500	2
Duke	IN	2,617	607
Indiana and Michigan Power	IN	1,176	1
National Grid	MA	1,402	58
Pepco	MD	13,760	23
BGE	MD	1,973	330
SMECO	MD	1,051	8
Central Maine Power	ME	3,111	182
Duke	NC	5,678	1,327
NYSEG	NY	7,582	806
FirstEnergy	NY	1,456	0
PSEG Long Island	NY	1,124	412
FirstEnergy	PA	21,000	12,026
PECO	PA	6,111	1,343
PPL	PA	1,879	357
Nashville Electric Services	TN	5,100	249
Knoxville Utility Board	TN	1,571	160
Appalachian Power	VA	1,171	1,171
Dominion Power	VA	2,900	2,001
Vermont Utilities	VT	1,348	43
Appalachian Power	WV	6,390	5,645
FirstEnergy	WV	1,507	12
TOTAL*		127,826	27,593

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

Sources:

http://outagemap.georgiapower.com/external/default.html?hp=tm_po_view_outage_map

https://twitter.com/georgiapower?WT.svl=tw3&hp=rfy_twitter

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

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

<http://outage.udwiremc.com/omswebmap/OMSWebMap.htm?clientKey=undefined>

<http://www.pepco.com/pages/connectwithus/outages/outagemaps.aspx>
<http://outagemap.bge.com/>
<https://outagemap.cmpco.com/CMP/>
<http://www.nyseg.com/Outages/outageinformation.html>
<https://www.psegliny.com/c.cfm/Outage>
https://www.peco.com/_layouts/peco/OutageMap.aspx
<https://omap.prod.pplweb.com/omap#pg-tabular>
<http://outages.firstenergycorp.com/pa.html>
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https://www.kub.org/wps/portal/Customers/Home/SafetyAndOutages/OutageMap!/ut/p/b1/04_Sj7Q0NjS2MLUwMtKPOI_KSyZLTE8syczPS8wB8aPM4i2NXA08jL0NPP19QiwMPL0MTHwMPFyMDNzN9XOjHBUBDc1TYg!!/
<http://outagemap.dom.com.s3-website-us-east-1.amazonaws.com/external/report.html?report=report-panel-county-muni>
<https://www.appalachianpower.com/outages/outageMap.aspx>
<http://fox17.com/news/local/severe-thunderstorms-causing-power-outages-downed-trees-downed-power-lines>
<http://www.fox5atlanta.com/breaking-news/118231243-story>
<http://www.gcdailyworld.com/story/2293190.html>

TVA's 1,118 MW Browns Ferry Nuclear Unit 3 in Alabama Reduced to 91 Percent April 6

The unit was reduced from full power after an unusual event was declared due to a main steamline high radiation condition.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2016/>
<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2016/20160407en.html>

AES's 498 MW Alamos Gas-fired Unit 5 in California Shut by April 6

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201604061515.html>

AES's 495 MW Alamos Gas-fired Unit 6 in California Shut by April 6

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201604061515.html>

Russell City Energy Company's 620 MW Gas-fired Unit in California Shut by April 6

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201604061515.html>

CAISO, Idaho Power Sign Agreement for Participation in Western EIM April 6

The California Independent System Operator (CAISO) and Idaho Power have signed an agreement for the Idaho utility to participate in the western Energy Imbalance Market (EIM) beginning April 2018, contingent upon necessary regulatory approvals. Idaho Power, which serves nearly 525,000 customers in southern Idaho and a portion of eastern Oregon, is the sixth utility to announce its intention to join the western EIM. The western EIM was launched by CAISO and PacifiCorp on November 1, 2014. Currently, the EIM automatically dispatches least cost energy in real-time in California, Oregon, Washington, Nevada, Utah, Idaho, and Wyoming. Puget Sound Energy in Washington and Arizona Public Service are scheduled to begin participating in October 2016. Portland General Electric will begin participating in October 2017.

<http://www.caiso.com/Documents/IdahoPowerFormalizesAgreementToJoinWesternEIM.pdf>

EDF Renewable Energy Signs PPA with SCE for 111.2 MW Valentine Solar Project in California March 6

EDF Renewable Energy on Wednesday announced the signing of a 15-year Power Purchase Agreement (PPA) with Southern California Edison (SCE). The 111.2 megawatt alternating current (MWac), Valentine Solar Project, will deliver clean electricity to SCE beginning in December 2019. Located in Kern County's Mojave Desert, Valentine Solar is adjacent to the EDF's Catalina Solar 2 Project, which is also contracted with SCE.

http://www.edf-re.com/about/press/edf_renewable_energy_ppa_california_utility_111_mwac_solar/

Petroleum

Update: TransCanada to Curtail Shipments on Its 590,000 b/d Keystone Crude Pipeline by 35 Percent in April – Shipper Notice

TransCanada Corp will curtail shipments on its Keystone crude pipeline by 35 percent for the remainder of April, according to a shipper notice dated Wednesday. The pipeline was shut on April 2 after a minor leak was found in North Dakota. TransCanada told customers that the earliest restart date for the pipeline was early next week. The pipeline delivers crude from Hardisty, Alberta, to Cushing, Oklahoma, and to Illinois.

Reuters, 3:09 April 6, 2016

BP Reports Compressor Trip at Its 413,500 b/d Whiting, Indiana Refinery April 2

BP Plc reported flaring and sulfur dioxide emissions due to a compressor trip at its Whiting, Indiana refinery on April 2, according to a filing with the National Response Center.

Reuters, 4:49 April 6, 2016

Phillips 66 Reports Emissions Due to Compressor Upset at Its 260,000 b/d Lake Charles, Louisiana Refinery April 2

Phillips 66 reported a release of sulfur dioxide due to a wet gas compressor upset at its Lake Charles, Louisiana refinery on April 2, according to a filing with the National Response Center.

Reuters, 4:40 April 6, 2016

LyondellBasell Reports Flaring at Its 263,766 b/d Houston, Texas Refinery April 7

LyondellBasell Industries reported flaring at its Houston, Texas refinery, according to a community information line.

Reuters, 2:36 April 7, 2016

Citgo Reports Coker Shut Due to Leak at Its 163,000 b/d Corpus Christi, Texas Refinery April 6

Citgo Petroleum Corp reports a minor leak in process equipment led to the shutdown of a coker unit at its Corpus Christi, Texas refinery on Wednesday. The company said repairs were underway.

Reuters, 4:19 April 6, 2016

Delek Reports Boiler Malfunction, FCCU Emissions at Its 60,000 b/d Tyler, Texas Refinery April 6

Delek reported excess emissions occurred due to an unforeseeable mechanical equipment malfunction at the no. 9 boiler unit at its Tyler, Texas refinery, according to a filing with the Texas Commission on Environmental Quality. Delek also reported emissions from a fluid catalytic cracking unit at the refinery.

Reuters, 6:52 April 6, 2016

ExxonMobil to Pay New York \$10.75 Million for Oil Spill Cleanup, Petroleum Removal

ExxonMobil Corp will pay \$10.75 million to reimburse New York State for oil spill cleanup and petroleum contamination removal costs at eight gas stations, including some dating to the 1930s, state officials said on Thursday. The payment will cover the New York Environmental Protection and Spill Compensation fund's costs including interest at the eight sites, whose locations are scattered across the state. Exxon also agreed to assume future remediation activities at four of the sites.

Reuters, 11:57 April 7, 2016

U.S. Oil, Gas Rig Count Decreases to 478 in March – Baker Hughes

The average U.S. rig count for March 2016 was 478, down 54 from 532 counted in February 2016, according to Baker Hughes.

Reuters, 6:09 April 7, 2016

Natural Gas

Nothing to report.

Other News

Nothing to report

International News

Oil Exports from Iraq's Southern Ports Increase to Nearly 3.5 Million b/d in April – South Oil

Oil exports from Iraq's southern ports have risen to an average of 3.494 million b/d in April, an official from the state-run South Oil Company said on Thursday. Last month's average was 3.286 million b/d, South Oil's assistant general manager said. Export volumes last month and so far in April are higher than planned, he said.

Reuters, 3:17 April 7, 2016

Venezuela's PDVSA to Receive U.S. Crude Cargo from BP; Backlog Eases around Curacao – Traders

Venezuela's PDVSA will discharge in the coming days its first cargo of U.S. crude bought from BP, who along with China Oil was awarded a tender to supply the state-run company with some 8 million barrels in the second quarter, traders said on Wednesday. PDVSA, which is facing delays to load and discharge tankers at its main crude port, Jose, will receive the cargo at the neighboring island of Curacao where it operates a storage facility, according to Thomson Reuters vessel tracking data.

http://www.downstreamtoday.com/news/article.aspx?a_id=51681

Energy Prices

U.S. Oil and Gas Prices			
April 7, 2016			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	37.25	36.71	53.61
NATURAL GAS Henry Hub \$/Million Btu	1.86	1.84	2.62

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

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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