



ENERGY ASSURANCE DAILY

Wednesday Evening, April 27, 2016

Major Developments

Strong Storm System Knocks Out Power to Over 309,000 Customers in Midwest, South April 26–27

A strong storm system producing high winds and hail knocked out power to 309,377 customers in Texas, Oklahoma, Missouri, Kansas, and Louisiana Tuesday evening into Wednesday. Wind gusts of 90 mph were reported. As of 3:30 p.m. EDT Wednesday, 56,572 customers remained without power. CenterPoint Energy, the hardest hit utility with 125,000 customer outages, said crews were removing debris and trees off power lines to make repairs. The utility plans to have the majority of customers restored by Wednesday night. Entergy, which reported 37,902 customer outages said all available crews were actively working to restore 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			
April 26–27, 2016			
Electric Utility	State	Affected	Latest Reported
Westar Energy	KS	1,660	840
Southwestern Electric Power Co	LA	4,660	806
Entergy	LA	2,951	1,713
Beauregard Electric Coop	LA	1,623	12
Ameren	MO	28,000	968
Kansas City Power and Light	MO	2,700	639
Cuivre River Electric Cooperative	MO	1,014	639
OG&E	OK	22,477	4,896
Public Service of Oklahoma	OK	6,800	1,031
Oklahoma Electric Cooperative	OK	3,600	24
Northeast Oklahoma Electric Cooperative	OK	2,087	97
Verdigris Valley Electric Cooperative	OK	1,861	58
People’s Electric Cooperative	OK	1,056	554
CenterPoint Energy	TX	125,000	12,388
Entergy	TX	37,902	18,970
Oncor	TX	36,000	6,911
Austin Energy	TX	22,000	4,891
Bluebonnet Electric	TX	4,445	392
San Bernard Electric Cooperative	TX	3,541	743
TOTAL*		309,377	56,572

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

Sources:

<http://outagemap.westarenergy.com/external/default.html>

<http://www.becioutage.org/>

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

<https://twitter.com/OGandE>

https://oge.com/wps/portal/oge/outages/systemwatch/SystemWatch.List_1_content.html

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

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

<http://www.okcoop.org/outages>

<http://outage.neelectric.com/>

<http://ebill.vvec.com/oms/outageMap>
<http://outage.peoplesec.com/outagemap.htm>
<http://gis.centerpointenergy.com/outagetracker/index.html>
<https://twitter.com/cnpalerts>
http://www.etrviewoutage.com/external/tx.aspx?_ga=1.177322661.1071334291.1461772914
<https://twitter.com/EntergyTX>
<http://stormcenter.oncor.com/external/default.html>
<https://my.austinenenergy.com/outages/>
<https://austinenenergy.com/wps/portal/ae/about/news/press-releases/2016/austin-energy-crews-respond-to-overnight-outages>
<https://twitter.com/BluebonnetCoop>
<http://outage.bluebonnetelectric.coop:82/>
<https://www.sbec.org/>
<http://www.twcnews.com/tx/austin/news/2016/04/27/overnight-storms-leave-thousands-in-central-texas-without-power-.html>
<http://newsok.com/thousands-without-power-tuesday-night-in-oklahoma/article/5494375>
<http://www.usnews.com/news/us/articles/2016-04-26/storms-on-tuesday-could-bring-powerful-tornadoes-to-plains>
<http://www.msnewsnow.com/story/31821824/the-latest-small-tornado-reported-in-kansas-no-injuries>
http://www.hutchnews.com/news/local_state_news/selective-outbreak-hutchinson-eludes-brunt-of-severe-weather-wider-region/article_290b911d-8c0b-5707-b48c-af198c996ed2.html
<http://www.breakingnews.com/item/2016/04/27/about-14000-eastern-kansas-residents-without-powe/>

Electricity

Crockett's 240 MW Gas-fired Unit in California Shut by April 26

The unit entered an unplanned outage.

<http://content.aiso.com/unitstatus/data/unitstatus201604261515.html>

Tenaska's 130 MW CSolar IV South Solar Unit in California Shut by April 26

The unit entered an unplanned outage.

<http://content.aiso.com/unitstatus/data/unitstatus201604261515.html>

ISO New England Expects Adequate Electricity Supply for Summer 2016

ISO New England, on Tuesday said that under normal weather and power system conditions, New England is expected to have the electricity resources it needs to meet consumer demand this summer. Although electricity supplies are expected to be sufficient, construction work on the region's natural gas pipeline infrastructure will limit delivery of natural gas to some power plants and require them to obtain fuel from different sources. Last summer, demand for power peaked on July 20, 2015, at 24,398 MW. The all-time record for peak demand was set on August 2, 2006, when demand reached 28,130 MW after a prolonged heat wave.

http://www.iso-ne.com/static-assets/documents/2016/04/20160426_summer_outlook_final.pdf

Petroleum

Phillips 66 Shuts CDU at Its 336,000 b/d Wood River, Illinois Refinery Due to Power Outage April 26 – Source

Phillips 66 shut down a 64,000 b/d crude distillation unit (CDU), a vacuum distillation unit, and a coker unit in the western portion of its Wood River, Illinois, refinery on Tuesday due to a power outage, according to a source familiar with the plant's operations. It was unclear when the units would be restarted, the source said.
Reuters, 12:07 April 27, 2016

Valero Reports Flaring at Its 205,000 b/d Corpus Christi West, Texas Refinery April 26

Valero Energy Corp reported operating conditions at its Corpus Christi West Plant made flaring necessary, according to a community alert.
Reuters, 7:20 April 26, 2016

Motiva Reports Process Incident, Flaring at Its 603,000 b/d Port Arthur, Texas Refinery April 26

Motiva reported its Port Arthur, Texas, refinery experienced a process incident that resulted in a pressure relief valve relieving and flaring, according to a filing with the Texas Commission on Environmental Quality.
Reuters 6:02 April 26, 2016

LyondellBasell Reports Flaring at Its 263,776 b/d Houston, Texas Refinery April 26

LyondellBasell Industries reported flaring at its Houston, Texas refinery, according to a community information line.
Reuters, 3:24 April 26, 2016

Suncor Says Water Stream Leak Isolated at Its 98,000 b/d Commerce City, Colorado Refinery April 26

Suncor Energy said it has isolated a leak in a water stream at its oil refinery in Commerce City, Colorado. The stream contains water that was in touch with refinery processes but there has been no offsite impact from the incident, according to the company.
Reuters, 2:27 April 26, 2016

BP Reports WEP Power Outage at Its 225,000 b/d Cherry Point, Washington Refinery April 20

BP reported a power outage to the wet electrostatic precipitator (WEP)/calciner hearth on April 20, according to a filing with the Northwest Clean Air Agency.
Reuters 4:06 April 26, 2016

Shell Reports SRU Shut at Its 145,000 b/d Puget Sound, Washington Refinery April 19

Royal Dutch Shell reported the sulfur recovery unit (SRU) at its Puget Sound, Washington refinery had an unplanned system shutdown on April 19, according to a filing with the Northwest Clean Air Agency.
Reuters, 4:05 April 26, 2016

Chevron Reports Mechanical Failure, Hydrocarbon Oil Leak at Its 245,000 b/d Richmond, California Refinery April 26

Chevron Corp reported a mechanical failure on a pipe resulting in a release of less than 5 barrels of hydrocarbon oil at its Richmond, California refinery. The release was stopped and contained. There was no impact to refinery operations and no air or waterways were impacted.

<https://w3.calema.ca.gov/operational/mal haz.nsf/f1841a103c102734882563e200760c4a/8e6959dc2998b35e88257fa10082e872?OpenDocument>

Reuters, 8:04 April 26, 2016

Shell Reports Operational Issue, Flaring at Its 156,400 b/d Martinez, California Refinery April 26

Royal Dutch Shell reported an operational issue that resulted in flaring at its Martinez, California refinery on April 26.
Reuters, 2:23 April 27, 2016

U.S. Crude Inventories Rise by 2 Million Barrels – EIA

Crude inventories rose by 2 million barrels in the week to April 22, data from the Energy Information Administration (EIA) showed on Wednesday. Crude stocks at the Cushing, Oklahoma delivery hub rose by 1.75 million barrels, EIA said. Refinery utilization rates fell by 1.3 percentage points. U.S. crude imports fell last week by 688,000 b/d.

Reuters, 10:41 April 27, 2016

Natural Gas

Oneok Rockies Midstream Reports 1 Barrel Condensate Spill from Its Russian Creek Gathering Pipeline in North Dakota April 25

The North Dakota Department of Health (NDDoH) on Monday was notified of a condensate spill from the Russian Creek Gathering pipeline operated by Oneok Rockies Midstream in Billings County. Initial estimates indicate approximately one barrel of condensate was released into Spring Creek, a tributary of the Green River. Personnel from the North Dakota Industrial Commission Oil and Gas Division and the NDDoH were on site to monitor the cleanup.

https://health.nd.gov/media/1260/2016-04-26-condensatespillbillings_final.pdf

Other News

Nothing to report.

International News

Venezuela Orders Two-Day Work Week in Bid to Save Power Grid

Venezuela declared a two-day work week for government workers and said it was seeking international help to save its power grid amid a drought that threatens the capital's main source of electricity. The two-day work week, after the government added Wednesdays and Thursdays as non-working days to save more power, will last at least two weeks, President Nicolas Maduro said. Venezuela is requesting emergency international help from the United Nations for public works construction to help the country recover from an "extreme situation," the President said. Venezuelans, except those in Caracas and some states, began to experience programmed four-hour rolling blackouts on Monday as a drought cripples generation at the Guri dam.

<http://www.bloomberg.com/news/articles/2016-04-27/venezuela-declares-two-day-work-week-in-bid-to-save-electricity>

Venezuela's Paraguana Refineries Operating at Half Capacity – Union Boss

Venezuela's major Paraguana refining center was operating at around half capacity due to several idled units, while the Amuay refinery's fluid catalytic cracker restarted on Monday, a union boss said on Tuesday, citing an internal report. The roughly 645,000 b/d Amuay refinery was operating at around 360,000 b/d, while the adjacent 310,000 b/d Cardon refinery was at 110,000 b/d, the union boss said.

Reuters, 4:22 April 26, 2016

Malta Bars Entry to Tanker Carrying East Libya's First Oil

Malta barred entry to a tanker carrying the first oil cargo shipped by the government in eastern Libya since the country split into competing power centers in its east and west. The tanker Distya Ameya was not authorized to enter Maltese territorial waters, and all requests will be refused, Malta's port authority said Tuesday. The ship was anchored at Hurd Bank, seven miles off the Mediterranean state's southeastern coast, according to the authority, Transport Malta. The vessel earlier left eastern Libya's Hariga port after loading 650,000 barrels of crude, a spokesman for Arabian Gulf Oil Co. said Monday. The National Oil Corp. in Tripoli in western Libya called the shipment "illegal" and informed the country's incipient UN-backed unity government about the eastern government's attempt to export oil independently, an NOC spokesman said.

<http://www.bloomberg.com/news/articles/2016-04-26/malta-bars-entry-to-tanker-carrying-east-libya-s-first-oil>

Energy Prices

U.S. Oil and Gas Prices			
April 27, 2016			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	45.24	43.13	55.36
NATURAL GAS Henry Hub \$/Million Btu	1.88	2.02	2.56

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>

Please direct comments and questions to: ead@oe.netl.doe.gov