



ENERGY ASSURANCE DAILY

Friday Evening, May 27, 2016

Storm Watch

NHC Says Cyclone Has 90 Percent Chance of Developing near Bahamas May 27

A low-pressure area centered between Bermuda and the Bahamas has a 90 percent chance of developing into a cyclone in the next 48 hours, the National Hurricane Center (NHC) said on Friday. Environmental conditions were expected to be generally conducive for a tropical or subtropical cyclone to form on Friday or Saturday while the system moves west-northwestward to northwestward toward the southeastern U.S. coast, the NHC said. All interests along the southeast coast from Georgia through North Carolina were cautioned to monitor the progress. U.S. meteorologists on Friday predicted the number of storms in the upcoming hurricane season will increase from years of below-average levels. The U.S. National Oceanic and Atmospheric Administration (NOAA) said it saw a 70 percent likelihood of 10 to 16 named storms with winds of 39 mph or stronger. Between 4 to 8 of them could become hurricanes with winds of 74 mph or stronger, including 1 to 4 major hurricanes with winds of 111 mph or more. The estimate ends three years of below-average hurricane levels and is in line with other forecasters, who expect an increase due in part to the expected end of the El Nino weather phenomenon and the coming of La Nina. In 2015 there were 11 named storms, including four hurricanes, of which two were major, according to federal data. The Atlantic hurricane season runs from June 1 through November 30.

<http://www.nhc.noaa.gov/gtwo.php?basin=atlc&fdays=2>

<http://www.reuters.com/article/us-storm-atlantic-idUSKCN0Y11KA>

Reuters, 1:32 May 27, 2016

Electricity

Strong Storms Knock Out Power to Over 143,000 Customers in Louisiana, Texas May 26–27

Strong storms producing heavy rains knocked out power to at least 143,357 customers in Louisiana and Texas on Thursday evening into Friday. As of 12:30 CDT Friday, 64,628 customers remained without power. Entergy, which reported 42,629 customers without power in Texas, said crews were working to restore power but due to conditions, the hardest hit areas won't be restored until Sunday evening. 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.

Louisiana, Texas Customer Power Outages			
May 26–27, 2016			
Electric Utility	State	Affected	Latest Reported
SWEPCO	LA	14,000	10,702
CLECO	LA	1,778	1,135
Oncor	TX	63,195	6,971
Entergy Texas	TX	42,629	31,201
Bluebonnet Electric	TX	10,100	7,162
CenterPoint Energy	TX	4,439	2,917
Bryan Texas Utilities	TX	3,500	2,363
San Bernard Electric Cooperative	TX	3,716	2,177
TOTAL*		143,357	64,628

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

Sources:

<https://www.swepco.com/outages/outageMap.aspx>
<https://www.facebook.com/SWEPCO>
<http://outage.cleco.com/external/default.html>
<http://stormcenter.oncor.com/external/default.html>
http://www.etrviewoutage.com/external/tx.aspx?_ga=1.216542166.1140306360.1464363974
<https://twitter.com/bluebonnetcoop>
<http://outage.bluebonnetelectric.coop:82/>
<http://gis.centerpointenergy.com/outagetracker/index.html>
<http://outages.btutilities.com/>
https://twitter.com/BTU_BryanTX
<https://www.facebook.com/sbecoop/>
http://www.theeagle.com/news/local/update-about-btu-customers-without-power/article_ad9ebe44-2378-11e6-ba06-a30c780a06b3.html

Storms, High Winds Knock Out Power to 31,000 Customers in Kansas, Missouri May 26

Large storm systems producing high winds, hail, and lightning knocked out power to 31,000 customers in Kansas and Missouri on Thursday afternoon. Wind gusts of up to 80 mph were reported. As of 1:00 p.m. CDT Friday, 1,830 customers remained without power. KCP&L, the hardest hit utility with 20,000 customer outages, said crews found downed wires and broken equipment related to the high winds, making the restoration process more difficult. The utility said it anticipates the majority of customers to be restored around noon Friday with cleanup extending into the evening. Kansas City Board of Public Utilities, which reported 4,000 customer outages, said lighting took out one of its substations. 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.

Kansas, Missouri Customer Power Outages			
May 26–27, 2016			
Electric Utility	State	Affected	Latest Reported
Westar Energy	KS	7,000	330
KCP&L	KS/MO	20,000	982
Kansas City Board of Public Utilities	KS/MO	4,000	518
TOTAL*		31,000	1,830

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

Sources:

<https://twitter.com/westarenergy>
<http://outagemap.westarenergy.com/external/default.html>
<http://outagemap.kcpl.com/external/default.html>
<https://twitter.com/KCPLConnect>
<http://secure.bpu.com/ov/>
<https://twitter.com/KCKBPU>

Substation Fire Knocks Out Power to Over 61,000 NYSEG Customers in New York May 26

New York State Electric and Gas (NYSEG) reported a fire in its Carmel substation knocked out power to 61,432 customers in Dutchess, Putnam, Sullivan, and Westchester counties, New York on Thursday night. The fire disrupted the feed to several other stations and parts of NYSEG’s transmission system. Power was restored around 1 a.m. EDT Friday for most residents, according to NYSEG.

<https://outagemap.nyseg.com/NYSEG/>
https://twitter.com/NYSEandG?ref_src=twsrc%5Egoogle%7Ctwcamp%5Eserp%7Ctwgr%5Eauthor
<http://pix11.com/2016/05/26/thousands-without-power-in-upstate-new-york-after-fire-erupts-at-nyseg-station/>

Exelon’s 1,116 MW Peach Bottom Nuclear Unit 2 in Pennsylvania Reduced to 87 Percent by May 27

On the morning of May 26 the unit was operating at full power.

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

TVA’s 1,126 MW Sequoyah Nuclear Unit 2 in Tennessee Reduced to 85 Percent by May 27

On the morning of May 26 the unit was operating at full power.

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

Update: Southern's 1,149 MW Vogtle Nuclear Unit 2 in Georgia Restarts May 26, Ramps Up to 72 Percent by May 27

On the morning of May 26 the unit had restarted and was operating at 3 percent. The unit shut from full power due to lowering steam generator water level.

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

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2016/20160525en.html>

Update: Southern's 870 MW Hatch Nuclear Unit 2 in Georgia Ramps Up to 98 Percent by May 27

On the morning of May 26 the unit had restarted and was operating at 22 percent. The unit shut from full power on May 20. No further information was available on the cause of the shutdown.

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

Entergy's 858 MW Arkansas Nuclear Unit 2 in Arkansas Reduced to 30 Percent by May 27

On the morning of May 26 the unit was operating at 70 percent, reduced from full power on May 25.

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

Update: Watson Cogeneration Company's 417 MW Gas-fired Unit in California Returns to Service by May 26

The unit returned from an unplanned curtailment of 207 MW that began on May 20.

<http://content.aiso.com/unitstatus/data/unitstatus201605261515.html>

Desert Sunlight's 300 MW Solar Unit in California Shut by May 26

The unit entered an unplanned outage.

<http://content.aiso.com/unitstatus/data/unitstatus201605261515.html>

Desert Sunlight's 250 MW Solar Unit in California Shut by May 26

The unit entered an unplanned outage.

<http://content.aiso.com/unitstatus/data/unitstatus201605261515.html>

Dynegy's 263 MW El Segundo Energy Center Gas-fired Unit 5/6 in California Shut by May 26

The unit entered an unplanned outage.

<http://content.aiso.com/unitstatus/data/unitstatus201605261515.html>

CPUC Approves Energy Storage Procurement for Southern California Edison May 26

The California Public Utilities Commission (CPUC) on Thursday granted storage procurement authority to Southern California Edison in order to ensure reliable natural gas and electricity supply to areas impacted by the Aliso Canyon leak in Los Angeles, California. The CPUC is pursuing activities to alleviate the electric reliability risks to the Los Angeles Basin, following a major natural gas leak at the Aliso Canyon underground gas storage facility, it said on Thursday. Following a prolonged gas leak that forced thousands from nearby homes in the northern Los Angeles community of Porter Ranch, SoCal Gas is barred from storing more gas at the site until all the wells there are thoroughly inspected and either deemed safe or shut down.

<http://docs.cpuc.ca.gov/PublishedDocs/Published/G000/M162/K541/162541191.PDF>

<http://finance.yahoo.com/news/cpuc-approves-energy-storage-procurement-225507721.html>

Petroleum

Delta's Monroe Energy Shuts FCCU at Its 185,000 b/d Trainer, Pennsylvania Refinery May 27 – Source

Delta's Monroe Energy on Friday shut the 50,000 b/d fluid catalytic cracking unit (FCCU) at its Trainer, Pennsylvania refinery for unexpected reasons, a source familiar with the plant's operations said. The unit was expected to restart later on Friday, the source said.

Reuters, 1:39 May 27, 2016

Phillips 66 Reports Flaring, Process Unit Upset at Its 336,000 b/d Wood River, Illinois Refinery May 26

Phillips 66 reported flaring due to process unit upset at its Wood River, Illinois refinery on May 26, according to a filing with the Illinois Emergency Management Agency.

Reuters, 4:12 May 27, 2016

ExxonMobil Reports Unplanned Compressor Shutdown at Its 560,500 b/d Baytown, Texas Refinery May 26

ExxonMobil Corp reported an unplanned compressor shutdown that resulted in flaring at its Baytown, Texas refinery on May 26, according to a filing with the Texas Commission on Environment Quality.

Reuters, 11:31 May 27, 2016

Update: Phillips 66's 247,000 b/d Sweeny, Texas Refinery Resumes Normal Operations May 25 after Power Outage May 21 – Sources

Phillips 66's Sweeny, Texas, refinery resumed normal operations on Wednesday following a plant-wide power outage on Saturday, Gulf Coast market sources said on Thursday. A Phillips 66 spokesman confirmed on Thursday the refinery returned to production. According to a notice filed on Sunday with the Texas Commission on Environmental Quality, the refinery lost its electricity supply from a third-party provider. The refinery units were stabilized as soon as possible after power was restored.

Reuters, 4:54 May 26, 2016

Delek Reports Brief Power Interruption at Its 60,000 b/d Tyler, Texas Refinery May 26

Delek reported a brief power interruption at its Tyler, Texas refinery caused emissions and affected some equipment in the fluid catalytic cracker unit, according to a filing with the Texas Commission on Environmental Quality.

Reuters, 4:39 May 26, 2016

Oil Drillers Cut Rigs to 316 May 27 – Baker Hughes

U.S. oil drillers cut rigs for a ninth week in the last 10, Baker Hughes said on Friday, despite crude prices this week testing a seven-month high at \$50 a barrel. Drillers cut 2 oil rigs in the week to May 27, bringing the total rig count down to 316, the lowest level since October 2009 and about half the 646 rigs a year ago, Baker Hughes said.

Reuters, 1:10 May 27, 2016

Natural Gas

Regency Reports AGI Shut at Its 290 MMcf/d Waha Gas Plant in Texas May 23

Regency reported the acid gas injector (AGI) was shut due to a motor failure. The unit was restarted and a work order was written.

<http://www2.tceq.texas.gov/oc/eer/index.cfm?fuseaction=main.getDetails&target=233691>

Other News

Nothing to report.

International News

Update: Nigeria's PPMC, NNPC Pipelines Attacked by Militants May 26 – Community Leader

Militants on Thursday simultaneously attacked (state oil firm) PPMC and Nigerian National Petroleum Corporation (NNPC) crude oil and gas pipelines in the Niger Delta, a community leader said on Friday. The militant group tweeted later that they had blown up a gas and crude pipeline near the town of Warri that was protected by soldiers and operated by the NNPC. Nigeria is now producing less than 1.5 million b/d, well below the 2.2 million b/d assumed in the 2016 state budget.

Reuters, 5:38 May 27, 2016

Update: France’s Fuel Supply Improving after Depot Blockades Cleared May 27 – Transport Ministry; Union Votes to Continue Strike as Total Reports Four Refineries Shut

The fuel supply situation in France was improving after a week of disruption and shortages caused by strikes and all but one of the country’s fuel depot blockades have been cleared, a transport ministry spokesman said on Friday. Total said earlier on Friday that all 9 of its depots in France were operating normally after the last blockade was lifted. There are 78 primary fuel depots in mainland France. Meanwhile, French CGT union members at the CIM voted to extend their strike at the port terminal until Monday, a union official said. The strike by oil sector CGT workers has led to refinery shutdowns, blockade of fuel depots, fuel supply disruption, and a backlog of several dozen oil tankers at the two main French oil ports at Le Havre and Fos-Lavera. CIM, at Le Havre, France’s second-biggest oil port, has not been able to deliver crude to refineries and products through the Trapil pipeline since Tuesday after workers joined a nationwide rolling strike against planned labor reforms. Members will meet again on Monday to decide the next step. CIM is central to France’s oil sector with 2.4 million cubic meters of crude storage capacity and 1.7 million cubic meters of refined products storage capacity including jet fuel, diesel, petrol, and naphtha at Le Havre. It supplies nearby ExxonMobil’s 240,000 b/d Port Jerome-Gravenchon refinery, one of three out of eight refineries in France that has not been halted due to the strike. CIM also supplies jet fuel to Paris Aeroport, which still had stocks to last another week, a spokesman said on Thursday. Total said on Friday that four of its five refineries in France had been completely shut down due to the strike and its fifth refinery, the 153,000 b/d La Mede in the south of France, was still running at reduced output capacity. Union members voted on Friday to continue the strike at Total’s 220,000 b/d Donges refinery until government drops planned labor reform, a CGT union official said. In addition, the union workers voted to extend strikes at Total’s 117,000 b/d Feyzin and 101,000 b/d Grandpuits refineries until May 30 and June 3 respectively, union officials said. Total said that the fuel supply disruption was easing slightly with some 741 of its petrol stations in France partially or completely out of fuel compared with 784 the previous day. Total controls 2,200 of France’s 11,500 petrol stations. CGT union workers at Elengy, which operates three liquefied natural gas (LNG) terminals in France, also voted on Friday to extend their strike until Monday.

Reuters, 9:54 May 27, 2016

Reuters, 10:03 May 27, 2016

Reuters, 6:03 May 27, 2016

Reuters, 11:29 May 27, 2016

Energy Prices

U.S. Oil and Gas Prices			
May 27, 2016			
	Today	Week Ago	Year Ago
CRUDE OIL			
West Texas Intermediate U.S.	49.25	47.62	57.93
\$/Barrel			
NATURAL GAS			
Henry Hub	1.75	1.83	2.82
\$/Million Btu			

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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