



ENERGY ASSURANCE DAILY

Friday Evening, June 17, 2016

Major Developments

Severe Thunderstorms Knock Out Power to Over 347,000 Customers across Mid-Atlantic June 16

Fast-moving thunderstorms producing high winds and lightning knocked out power to at least 347,607 customers across Pennsylvania, West Virginia, Virginia, and North Carolina. Winds of up to 70 mph were reported, toppling trees onto powerlines. As of 3:30 p.m. EDT Friday, 170,381 customers remained without power. Dominion, the hardest hit utility with 250,000 customer outages, primarily in the Richmond, Virginia metropolitan area, was urging its customers to be prepared for a multi-day outage. The company said it will move additional Dominion crews from other areas of the state as well as crews from out of state in order to better assist with restoration in the hardest-hit areas. FirstEnergy, which reported 25,900 customer outages in Pennsylvania said it expects to restore power to the majority of affected customers by 4:00 p.m. EDT Friday with complete restoration expected by the end of the night. AEP Appalachian, which reported 20,000 customer outages in West Virginia and Virginia, said the hardest hit areas may not be restored until 4:00 p.m. EDT Saturday. 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.

Mid-Atlantic Customer Power Outages			
June 16–17, 2016			
Electric Utility	State	Affected	Latest Reported
Duke Energy	NC	5,985	537
Dominion North Carolina	NC	3,737	16
First Energy	PA	25,900	1,666
Dominion Virginia	VA	250,000	147,487
Rappahannock Electric Cooperative	VA	11,000	1,695
Shenandoah Valley Electric Cooperative	VA	2,410	56
Mecklenburg Electric Cooperative	VA	1,500	12
Northern Neck Electric Cooperative	VA	1,075	728
AEP Appalachian	VA/WV	20,000	7,880
FirstEnergy	WV	26,000	10,304
TOTAL*		347,607	170,381

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

Sources:

- <http://outagemap.duke-energy.com/ncsc/default.html>
- <http://outages.firstenergycorp.com/pa.html>
- <https://www.facebook.com/WestPennPower>
- <http://outagemap.dom.com.s3-website-us-east-1.amazonaws.com/external/report.html?report>
- <https://www.dom.com/library/domcom/pdfs/corporate/thunderstorm-release-061716.pdf?a=en>
- <https://www.facebook.com/dominionvirginiapower>
- <https://www.appalachianpower.com/outages/outageMap.aspx>
- <https://twitter.com/AppalachianPowe>
- <http://www.myrec.coop/outagecenter/outage-map.cfm>
- http://www.myrec.coop/newsroom/06_17_16_rec_restores_power_after_storm.cfm
- <http://www.outageentry.com/dvOSM/dvOutages.php?Client=svec>
- <http://outages.nnec.coop/>
- <https://www.facebook.com/mecklenburgelectriccooperative/posts/1145742685476780>
- <http://outages.firstenergycorp.com/mdwv.html>

<https://twitter.com/monpowerwv>
<http://www.nbc12.com/story/32244892/nearly-150000-homes-businesses-without-power-in-central-va>
<http://www.whsv.com/content/news/Storm-leaves-trail-of-damage-in-Page-County-383323111.html>

Electricity

SMUD Reports 78,000 Customers Briefly without Power in California Due to Offline Substation June 16

SMUD on Thursday night reported a breaker at its Orangevale substation went down, knocking out power to over 78,000 customers for approximately one hour. The outage impacted customers in the Citrus Heights, Folsom, Rancho Cordova, Carmichael, and Orangevale areas, SMUD said.

<https://twitter.com/SMUDUpdates>
<http://www.kcra.com/news/local-news/news-sacramento/more-than-78k-without-power-in-northern-sacramento-co/40096164>

Substation Fire Knocks Out Power to 70,000 PG&E Customers in California June 16

Pacific Gas & Electric (PG&E) reported about 70,000 customers were without power for 90 minutes on Thursday afternoon due to a fire in its Gregg substation, near Fresno. The fire was confined to a single piece of equipment and was quickly extinguished. PG&E said the cause for the fire was under investigation.

https://m.pge.com/?WT.ac=Home_Outage#outages
<http://www.ksby.com/story/32243422/fire-leaves-68000-without-power-in-fresno>

Storms Knock Out Power to Over 28,000 Customers in Georgia June 17

Strong storms producing high winds and hail were impacting Georgia on Friday afternoon and as of 4:00 p.m. EDT, at least 28,576 customers were without power. A Georgia Power spokesperson said heavy winds were knocking down powerlines, and that the number of outages was expected to increase as the storm progresses throughout the evening. The table below shows total affected customers by utility as of 4:00 p.m. EDT. The “Currently Affected” column shows the total count of customers that have lost power since the storm began. These outages may not have occurred concurrently and are not the same as peak outages.

Georgia Customer Power Outages		
June 17, 2016		
Electric Utility	State	Currently Affected
Georgia Power	GA	20,301
Greystone Power Corporation	GA	3,260
Cobb Electric Membership Corporation	GA	2,312
Central Georgia Electric Member Corporation	GA	2,703
TOTAL*		28,576

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

Sources:

http://outagemap.georgiapower.com/external/default.html?hp=tm_po_view_outage_map
<http://www.outageentry.com/dvOSM/dvOSM2.php?Client=greys>
<http://cobb.maps.sienatech.com/>
<https://twitter.com/CentralGAEMC>
<http://www.11alive.com/news/local/trees-down-power-out-as-storm-rolls-through-atlanta/247562512>

Exelon’s 1,116 MW Peach Bottom Nuclear Unit 2 in Pennsylvania Reduced to 21 Percent by June 17

On the morning of June 16 the unit was operating at full power.

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

Update: Southern’s 839 MW Farley Nuclear Unit 2 in Alabama Restarts, Ramps Up to 15 Percent by June 17

The unit was shut from 18 percent on June 16.

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

Update: Southern's 856 MW Hatch Nuclear Unit 1 in Georgia Ramps Up to 84 Percent by June 17

On the morning of June 16 the unit was operating at 60 percent, reduced from 97 percent on June 15.

<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 56 Percent by June 17

On the morning of June 16 the unit was operating at full power.

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

Exelon's 850 MW Dresden Nuclear Unit 2 in Illinois Reduced to 83 Percent by June 17

On the morning of June 16 the unit was operating at full power.

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

Entergy's 1,207 MW Grand Gulf Nuclear Unit 1 in Mississippi Shut by June 17

On the morning of June 16 the unit was operating at full power. There were no additional details at this time indicating the cause for the unplanned outage.

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

PG&E's 119 MW Belden Hydro Unit in California Shut by June 16

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201606161515.html>

OPPD to Retire Its 478 MW Fort Calhoun Nuclear Power Plant in Nebraska by End of 2016

The Omaha Public Power District (OPPD) on Thursday announced it will retire its Fort Calhoun Station by the end of 2016. Market conditions were a major factor in the decision as well as the proposed Clean Power Plan, OPPD said.

<http://www.oppd.com/news-resources/news-releases/2016/june/oppd-board-votes-to-decommission-fort-calhoun-station/>

Petroleum

Update: Magellan to Restart Its Orion South Refined Products Pipeline in Texas June 17 after Closure Due to Flooding June 2

Magellan Midstream Partners will resume operations on its East Houston to Frost, Texas refined products pipeline by Friday evening, a spokesman said on Thursday. The company said it completed testing a new segment of the pipeline, and will begin filling it with refined products on Friday. It expects to resume operations of the pipeline by Friday evening, the spokesman said. Magellan's pipelines from Frost to Dallas, Odessa, El Paso, Waco and Hearne, Texas remain operational at this time, he added. Magellan Midstream Partners suspended service on a 200-mile segment of its Orion South refined products pipeline system on June 2 due to flooding where the pipeline crosses the Spring Creek near Houston.

Reuters, 16:41 June 16, 2016

<https://www.oe.netl.doe.gov/docs/eads/ead060316.pdf>

Pembina Shuts Its 50,000 b/d Western Crude Oil Pipeline in British Columbia Due to Flooding June 16

Pembina Pipeline shut its Western crude oil pipeline in northern British Columbia after wet weather and erosion exposed a portion of the line, according to a notice on Thursday. A company spokesman said on Friday that the system will remain shut with no timeline for restarting operations. Flood warnings were in effect for the Peace River region, near the British Columbia-Alberta border, according to the provincial government. The Western Pipeline carries crude from Taylor to Prince George and Kamloops, and is fed by Blueberry, BC Light, and Boundary Lake gathering pipelines. In the shipper notice, Pembina said it could not speculate on when it will be able to resume service on the Western Pipeline, and its Peace Pipeline is currently at full capacity and cannot accept additional crude.

Reuters, 17:26 June 16, 2016

Motiva Reports Emissions at Its 603,000 b/d Port Arthur, Texas Refinery June 17

Motiva Enterprises reported a loss of primary containment that resulted in a release of air emission greater than the reportable quantity at its Pot Arthur, Texas refinery on June 17, according to a filing with the Texas Commission on Environmental Quality. Motiva said the facility took immediate action to stop the loss of containment and minimize emissions.

Reuters, 7:48 June 17, 2016

Valero Reports Flaring at Its 205,000 b/d Corpus Christi, Texas Refinery June 17

Valero Energy Corp reported flaring at the West Plant of its Corpus Christi, Texas refinery, according to a community information line.

Reuters, 7:48 June 17, 2016

Update: Marathon Restarts FCCU Again at Its 451,000 b/d Galveston Bay, Texas Refinery June 16 – Sources

Marathon Petroleum Corp restarted the 120,000 b/d fluidic catalytic cracking unit (FCCU) for a second time on Thursday at its Galveston Bay, Texas refinery, sources familiar with plant operations said. The FCCU was restarted early on Thursday and then fell out of production mid-morning before being restarted again on Thursday afternoon, the sources said. The FCCU was shut on Monday afternoon due to a malfunction in the unit's blower, the sources said. The blower malfunction was corrected by Wednesday night and the unit began its first restart attempt. A subsequent problem with a unit compressor caused the mid-morning outage, the sources added. Earlier this month, Marathon permanently closed a 60,000 b/d FCCU at the refinery in order to comply with an agreement to reduce pollution from the refinery.

Reuters, 17:58 June 16, 2016

Oregon DOT Asks FRA to Ban Oil by Rail Movements in Following June 3 Derailment

The Oregon Department of Transportation (DOT) called for federal regulators to ban trains carrying oil in the state, ramping up pressure for more stringent safety checks weeks after a Union Pacific oil train derailed and caught fire near Portland. In a letter to the Federal Railroad Administration (FRA) dated June 8, the Oregon DOT said preliminary findings of an investigation suggested inspectors might not be able to determine the cause. A preliminary investigation suggested a failure with a bolt that fastened the rail to the railroad ties. A spokesman for the FRA said the agency will respond to the letter. Oregon is the first U.S. state to request such a move, although environmental lobbyists have called for years for a moratorium on oil trains after a series of explosive accidents.

Reuters, 19:39 June 16, 2016

Natural Gas

Regency Reports Low Suction Pressure at Its 290 MMcf/d Waha Gas Plant in Texas June 16

Regency reported low suction pressure and low inlet volumes at its Waha gas plant. Regency said the acid gas injector would be restarted once adequate suction pressure is established.

<http://www2.tceq.texas.gov/oce/ee/index.cfm?fuseaction=main.getDetails&target=235839>

Other News

Nothing to report.

International News

Update: French Workers Extend Strike at Fos-Lavera Oil Port June 17 – Union Official

French CGT union workers are extending a four-week strike at the Fos-Lavera oil terminal in southern France, a union official said on Friday. CGT members at France's biggest oil port terminal joined the nationwide rolling protest against a government labor reform on May 23, disrupting the loading and unloading of vessels including oil, liquefied natural gas (LNG), and chemical tankers. The French government on Friday held its first meeting in three months with the CGT union but neither side suggested recommendations for ending the strike.

Reuters, 8:21 June 17, 2016

Nigeria Plans Qua Iboe, Bonny Light Crude Exports for August

Nigeria in August plans to export 306,000 b/d of Qua Iboe crude oil aboard 10 cargoes and 211,000 b/d of Bonny Light crude oil aboard 7 cargoes, according to early loading programs seen by Reuters on Friday. Qua Iboe exports for July were initially planned at 337,000 b/d in 11 cargoes, though exports have been hit by a technical issue at the terminal that forced ExxonMobil to declare force majeure in May, which was lifted earlier this month. Pipeline attacks and closures have impacted Bonny Light production and exports, delaying most of the loadings in July.

Reuters, 11:36 June 17, 2016

Reuters, 10:44 June 17, 2016

Energy Prices

U.S. Oil and Gas Prices			
June 17, 2016			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	47.95	49.04	59.02
NATURAL GAS Henry Hub \$/Million Btu	2.61	2.31	2.94

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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