



ENERGY ASSURANCE DAILY

Monday Evening, June 05, 2017

Electricity

Power Restoration Underway in North Carolina after Storms Hit June 4–5

Power restoration was underway on Monday after strong storms knocked out electricity to approximately 15,000 Duke Energy customers in North Carolina overnight Sunday into Monday. Duke Energy reported significant damage to equipment after a fire, possibly caused by a lightning strike, broke out at a Duke Energy delivery point. As of 3:30 p.m. EDT Monday, 1,513 customers remained without power.

<https://www.duke-energy.com/outages/current-outages>

<http://www.wsocvtv.com/weather/tracking-heavy-overnight-rain-clears-out-before-afternoon-storms-form/529880356>

Progress Energy's 811 MW Brunswick Nuclear Unit 2 in North Carolina Reduced to 84 Percent by June 5

On the morning of June 4, the unit was operating at 99 percent.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2017/>

TVA's 1,125 MW Watts Bar Nuclear Unit 1 in Tennessee Reduced to 75 Percent by June 5

On the morning of June 4, the unit was operating at full power.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2017/>

TVA's 1,126 MW Sequoyah Nuclear Unit 2 in Tennessee Shut by June 3

The unit shut from 20 percent power. The cause of the shutdown was not immediately known.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2017/>

Update: Exelon's 1,161 MW Braidwood Nuclear Unit 1 in Illinois at Full Power by June 3

On the morning of June 2, the unit was operating at 76 percent, reduced from full power on June 1.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2017/>

Ameren's 1,125 MW Callaway Nuclear Unit in Missouri Reduced to 70 Percent by June 5

On the morning of June 4, the unit was operating at full power.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2017/>

Update: NMC's 522 MW Prairie Island Nuclear Unit 1 in Minnesota at Full Power by June 4

On the morning of June 3, the unit was operating at 44 percent, increased from 6 percent on June 2.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2017/>

Termoelectrica De Mexicali's 625 MW Natural Gas-Fired Unit in California Reduced by June 2

The unit entered an unplanned curtailment of 464 MW.

<http://content.caiso.com/unitstatus/data/unitstatus201706021515.html>

NERC's Summer Reliability Assessment Finds Adequate Resources to Meet Summer Peak Demand

The North American Electric Reliability Corporation's (NERC) recent 2017 Summer Reliability Assessment found that there are enough resources to meet this summer's projected peak electricity demand in all areas of the country. Anticipated reserve margins, the amount of expected unused electric generating capacity at the time of peak load, range from slightly less than 15 percent in New England to almost 29 percent in New York. In the absence of cost-effective, large-scale electricity storage, reliability of the nation's electric power system requires that electricity be available to meet demand at any moment. A reserve margin of 15 percent means that about 15 percent of a region's electric generating capacity would be available as a buffer to meet the summer's peak hourly load in case of unforeseen generation or transmission outages. Reference margins, which differ by region, are reserve margin targets based on each area's load, generation capacity, and transmission characteristics. In some cases, the reference margin level is a requirement implemented by states, provinces, independent system operators, or other regulatory bodies. Reliability entities in each region aim to have their anticipated reserve margins surpass their reference margins, which are generally set near 15 percent in most regions. The anticipated reserve margins for all U.S. regions in NERC's assessment are higher than their reference margins this summer, except for the Independent System Operator for New England (ISO-NE). In ISO-NE, the anticipated reserve margin is 14.9 percent, slightly lower than the reference margin of 15.1 percent.

<https://www.eia.gov/todayinenergy/detail.php?id=31492>

New York's Governor Announces \$1.5 Billion for Renewable Energy Projects June 2

New York Governor Andrew Cuomo on Friday announced \$1.5 billion for renewable energy projects such as wind, solar arrays, hydro, and fuel cells to advance a state goal of achieving 50 percent of electricity from renewables by 2030. The investment will produce 40,000 clean energy jobs by 2020, the Governor said. On June 1, Governor Cuomo signed an executive order to commit New York to uphold the standards set forth in the Paris Accord and announced a U.S. Climate Alliance, along with California Governor Edmund G. Brown Jr., and Washington State Governor Jay R. Inslee, to convene U.S. states committed to upholding the Paris Climate Agreement and taking aggressive action on climate change.

<https://www.governor.ny.gov/news/governor-cuomo-announces-major-climate-and-jobs-initiative-partnership-worker-institute-cornell>

Reuters, 17:01 June 2, 2017

Petroleum

Production at BP's 413,500 b/d Whiting, Indiana Refinery Unaffected by Flaring June 5 – Sources

Production at BP Plc's Whiting, Indiana, refinery was unaffected on Monday despite flaring at the plant, said sources familiar with operations. The sources said the refinery was running at near capacity on Monday. Energy industry intelligence service Genscape reported flaring associated with distillate and diesel hydrotreaters and a hydrogen unit.

Reuters, 9:53 June 5, 2017

ExxonMobil Reports FCCU Emissions at Its 560,500 b/d Baytown, Texas Refinery June 2

ExxonMobil Corp reported emissions from fluidized catalytic cracking unit 2 (FCCU 2) at its Baytown, Texas refinery on June 2, according to a filing with the Texas Commission on Environment Quality.

Reuters, 18:49 June 2, 2017

Shell Says Startup Procedures Underway for Process Unit at Its 285,500 b/d Deer Park, Texas Refinery June 5

Royal Dutch Shell on Monday said startup procedures were underway for a process unit at its Deer Park, Texas refinery. Energy intelligence provider Genscape had earlier reported that the 67,000 b/d hydrocracker, which was shut on June 3, appeared to be restarting.

Reuters, 12:27 June 5, 2017

LyondellBasell Reports Units Back Online June 5 after Upset June 4 at Its 263,776 b/d Houston, Texas Refinery

LyondellBasell Industries returned the crude, vacuum, and coking units to production Monday following a Sunday malfunction, sources said. LyondellBasell also boosted production on Monday after problems at an offsite facility, the sources said.

Reuters, 14:49 June 5, 2017

PBF Energy Reports Unplanned Flaring at Its 151,300 b/d Torrance, California Refinery June 5

PBF Energy reported unplanned flaring due to a hydrogen plant shutdown at its refinery in Torrance, California, according to a filing with the South Coast Air Quality Management District.

Reuters 15:49 June 5, 2017

Shell Reports Restarting Unit at Its Scotford, Alberta Facility June 4

Royal Dutch Shell reported restarting a unit at its Scotford, Alberta facility on June 4, according to a community information line. The Scotford facility houses a 100,000 b/d refinery and a 255,000 b/d oil sands upgrader.

Reuters, 21:38 June 4, 2017

Natural Gas

Alliance Pipeline Declares Force Majeure near Grande Prairie, Alberta June 2

Alliance Pipeline Limited Partnership (Alliance Canada) on June 2 said it detected slope movement in the vicinity of its pipeline system near the Wapiti River, approximately 15 miles southwest of Grande Prairie, Alberta. The company said it plans to expose the affected section of pipe on June 10, in order to conduct the necessary inspections. To accommodate this work, Alliance Canada said it will be required to reduce system operating pressure at this location for the duration of the work, which in turn will cause a reduction in firm transportation service capability and zero flow at the following receipt points: BC01 A Highway, BC02 Aitken Creek, BC02A Aitken Creek 2, BC03 McMahon, BC04 Younger, BC 12 West Doe, BC58 Septimus, BC62 Doe Creek, AB09 Fourth Creek, AB10 Josephine, AB11 Pouce Coupe, AB13 Gordondale 1, AB16 Progress, AB17 Valhalla 1, AB20 Valhalla 2, AB21 Teepee Creek, AB23 Sexsmith, AB24 Hythe, AB25 Knopcik, AB27 Wembley, and AB27A Elmworth. The reduction of service is forecast to last for approximately three to five days. Reduction of service could possibly be increased and/or extended if additional inspection or repair work is required. No commercial impacts to firm contracts at receipt points downstream of the affected segment are anticipated. Daily interruptible transportation service will not be available on Alliance Canada for the duration of the service reduction. The Alliance Pipeline system transports liquids rich natural gas from northeastern British Columbia, northwestern Alberta, and north-central North Dakota, running underground through BC, Alberta, Saskatchewan, North Dakota, Minnesota, Iowa, and terminating in Illinois. Alliance delivers approximately 1.6 Bcf/d of natural gas to the Chicago market.

http://ips.alliance-pipeline.com/Ips/ContentViewer.aspx?notice_id=10908&cwc_website_content_id=11

<http://www.alliancepipeline.com/AboutUs/OurSystem/Pages/default.aspx>

Atlas Reports Third Party Power Outage at Its 200 MMcf/d Driver Gas Plant in Texas June 3

Atlas reported third party purchased power for its Driver gas plant was interrupted during a thunderstorm. The power interruption routed inlet and residue gas to the flare. Operation technicians restarted the plant as soon as purchased power was restored.

<http://www2.tceq.texas.gov/oce/eer/index.cfm?fuseaction=main.getDetails&target=259475>

Other News

Nothing to report.

International News

South Sudan Boosts Oil Output, Targets 350,000 b/d by Mid-2018

South Sudan's Petroleum Minister on Monday said the country will drill 30 new wells in 2017 and significantly boost oil output as it targets a peak of 350,000 b/d by mid-2018. The country's output has been curbed to 130,000 b/d amid security challenges.

Reuters, 7:22 June 5, 2017

Libya's Oil Production Falls to 809,000 b/d Due to Sirte Oil Co Technical Issues – Source

Libya's crude production stood at 809,000 b/d on Monday, down from 827,000 b/d last week due to technical issues, a Libyan oil source told Reuters. A gas shortage due to technical problems at the Sirte Oil Company, a subsidiary of the state-owned National Oil Corp (NOC), was the primary cause of the decline, the source said.

Reuters, 12:07 June 5, 2017

Energy Prices

U.S. Oil and Gas Prices			
June 5, 2017			
	Today	Week Ago	Year Ago
CRUDE OIL			
West Texas Intermediate U.S.	47.40	49.58	48.64
\$/Barrel			
NATURAL GAS			
Henry Hub	2.83	3.06	2.30
\$/Million Btu			

Source: Reuters

Links

This Week in Petroleum from the U.S. Energy Information Administration (EIA)

<https://www.eia.gov/petroleum/weekly/>

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

<https://www.eia.gov/naturalgas/weekly/>

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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