



ENERGY ASSURANCE DAILY

Friday Evening, November 20, 2015

Storm Watch

Tropical Storm In-Fa Tracking South of Guam, Strong Winds to Minimally Impact Island's Southern Waters November 21

As of 4:00 p.m. EDT (5:00 a.m. ChST, Friday), according to the National Weather Service, Guam is expected to receive only minimal tropical storm conditions by Saturday morning. The storm is currently 180 miles south-southwest of Guam. A tropical storm warning is currently in effect for the island.

<http://www.prh.noaa.gov/images/guam/errorTrack1.jpg>

<http://www.prh.noaa.gov/data/GUM/TCPPQ1>

<http://www.prh.noaa.gov/guam/cyclone.php>

Electricity

Update: Over 100,000 Customers Remain Without Power in U.S. Pacific Northwest, British Columbia November 20 after Storm, High Winds Hit November 17–18

Power restoration was continuing Friday to 623,471 customers in Washington, Idaho, Montana, and British Columbia after a strong storm packing powerful winds hit Tuesday night. Wind gusts up to 49 mph were reported, toppling trees and power lines. As of 3:30 p.m. EST Friday, 100,087 customers remained without power. Avista, at the height of the storm, reported more than 180,000 customers without power, which is nearly half of its electric customers. Avista said it has restored power to more than 50 percent of its customers, rebuilt 42 major transmission lines, and restored 23 substations that were taken out by the storm. Kootenai Electric, which reported 10,471 customer outages, said it was optimistic about restoring power to a large number of members today. Puget Sound Energy, which reported about 210,000 outages, said power will be restored to most customers today, with repair efforts continuing in some of the hardest hit areas. Snohomish County PUD, which reported about 150,000 customers without power, said it has 64 line/service crews and 19 tree crews in the field working around the clock to get power back on. BC Hydro reported all widespread storm related outages have been restored.

Northwest, British Columbia Customer Power Outages			
November 17–20, 2015			
Electric Utility	State	Peak	Latest Reported
Avista	ID/WA	180,000	72,023
Kootenai Electric	ID	10,471	4,940
Puget Sound Electric	WA	210,000	1,374
Snohomish PUD	WA	150,000	21,750
BC Hydro	B.C.	73,000	0
TOTAL *		623,471	100,087

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

Sources:

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

<https://www.avistautilities.com/safety/outages/pages/default.aspx>

<http://www.kec.com/content/power-outage-updates>

https://twitter.com/KootenaiEC?ref_src=twsrc%5Etfw

<https://pse.com/accountsandservices/ServiceAlert/Pages/Outage-Map.aspx>

<https://www.snopud.com/newsroom/StormUpdates.ashx?p=1180>

<https://twitter.com/snopud>

<https://www.bchydro.com/power-outages/app/outage-list.html#current>

Update: Talen's 1,105 MW Susquehanna Nuclear Unit 1 in Pennsylvania Restarts November 19, Ramps Up to 26 Percent by November 20

On the morning of November 19 the unit had restarted and was operating at 4 percent. The unit shut automatically on November 12 during routine and required equipment testing

<http://talenenergy.investorroom.com/2015-11-20-Susquehanna-Unit-1-Reconnected-to-Power-Grid>

Update: Dominion's 810 MW Surry Nuclear Unit 1 in Virginia Ramps Up to 99 Percent by November 20

On the morning of November 19 the unit was operating at 64 percent after restarting on November 18. The unit shut from full power on October 14 after a turbine trip.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2015/>

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2015/20151014en.html>

Update: Exelon's 1,131 MW Byron Nuclear Unit 2 in Illinois at Full Power by November 20

On the morning of November 19 the unit was operating at 90 percent, reduced from 94 percent on November 18.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2015/>

Update: FPL's 510 MW Point Beach Nuclear Unit 1 in Wisconsin at Full Power by November 20

On the morning of November 19 the unit was operating at 67 percent, reduced from full power on November 18.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2015/>

Entergy's 1,207 MW Grand Gulf Nuclear Unit 1 in Mississippi Reduced to 81 Percent by November 20

On the morning of November 19 the unit was operating at full power.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2015/>

UC Davis, SunPower Dedicate University of California's 16.3 MW Solar Power Plant November 20

University of California (UC) and SunPower representatives today dedicated the university's newly constructed 16.3-MW solar power plant. The new plant is estimated by UC Davis to generate 14 percent of the campus' total electricity needs. The university expects to reduce the campus' carbon footprint by nine percent, or 14,000 metric tons, as a result of the system. Combined with other purchases of solar and hydroelectric energy, the plant is part of UC Davis' plan to obtain 60 percent of its electricity needs from renewable and carbon-free sources by 2017, ahead of a state goal of 50 percent by 2020.

<http://newsroom.sunpower.com/2015-11-20-UC-Davis-SunPower-dedicate-University-of-Californias-largest-campus-solar-power-plant>

Petroleum

Phillips 66 Shuts CDU, VDU, Coker Unit at Its 335,000 b/d Wood River, Illinois Refinery Due to Power Loss November 20

Phillips 66 shut a 64,000 b/d crude distillation unit (CDU), a 30,000 b/d vacuum distillation unit (VDU), and a 16,000 b/d coker unit at its refinery in Wood River, Illinois, due to a power outage, according to a person familiar with the plant's operations. The power outage was limited to the west side of the refinery, the source said. There was no immediate timetable for a restart, but the source said it would probably not take long. The refinery gets a portion of its crude supply via pipeline from Cushing, Oklahoma.

Reuters, 10:39 November 20, 2015

Update: Shell Says No Impact to Production after Leak at Its 316,000 b/d Deer Park, Texas Refinery November 19

Royal Dutch Shell Plc said on Thursday there was no impact on production after a small leak at its Deer Park, Texas refinery. The company had earlier reported that it identified and stopped a small leak from a cooling water tower at its Deer Park refinery.

Reuters, 11:10 November 19, 2015

Phillips 66 Reports FCCU Emissions at Its 146,000 b/d Borger Texas Refinery November 19

Phillips 66 reported emissions from the fluid catalytic cracking unit (FCCU) at its Borger, Texas refinery. The equipment was restarted to stop the event.
Reuters, 2:52 November 19, 2015

Valero Reports Flaring at Its 100,000 b/d Houston, Texas Refinery November 20

Valero Energy Corp reported flaring at its Houston, Texas refinery on November 20, according to a community information line.
Reuters, 10:54 November 20, 2015

ATP Oil & Gas Corp to Pay More than \$41 Million in Penalties – U.S. Justice Department

The offshore oil platform operator ATP Oil & Gas Corp. has agreed to pay more than \$41 million in penalties to settle claims it made unauthorized discharges of oil and chemicals from a production platform in the Gulf of Mexico, the U.S. Justice Department said on Thursday. ATP is going through bankruptcy and is no longer operating. On Thursday the U.S. Bankruptcy Court for the Southern District of Texas approved an agreement allowing an unsecured claim of \$38 million for a judicial civil penalty judgment, according to the Justice Department. ATP will also pay an administrative penalty of \$3.85 million for related violations, it added.
Reuters, 1:31 November 19, 2015

MDU Resources Group Delays Plan for Diesel Refinery in Minot, North Dakota Due to Low Fuel Prices

Developers of a recently completed diesel refinery near Dickinson are delaying plans for a second factory in the Minot area due to low fuel prices and a slowdown in drilling activity in the state's oil patch. MDU Resources Group and Calumet Specialty Products Partners built the \$430 million Dakota Prairie Refinery near Dickinson. It began selling fuel in May but has lost \$12.6 million in its first few months of operation, an MDU spokesman said. Developers had considered a similar plant in Minot, but the company is now focused solely on optimizing investment at its Dickinson factory, which can process 20,000 b/d of oil into diesel fuel and other products.
Reuters, 12:16 November 20, 2015

Natural Gas

Tennessee Gas Pipeline Files Certificate Application for Its Proposed Northeast Energy Direct Project November 20

Tennessee Gas Pipeline Company, L.L.C. (TGP), a Kinder Morgan company, today filed a certificate application with the Federal Energy Regulatory Commission (FERC) for its proposed Northeast Energy Direct Project (NED). The approximately \$5 billion NED Project will expand TGP's existing, extensive pipeline system in Pennsylvania, New York, and New England, connecting low-cost natural gas supplies from northern Pennsylvania to New York and New England markets. The NED Project comprises two components, the Supply Path and the Market Path: The Supply Path component will have a maximum design capacity of 1.2 Bcf/d and consists of approximately 133 miles of 30-inch diameter pipeline extending from TGP's existing 300 Line system in northern Pennsylvania to an interconnection with TGP's 200 Line system and Iroquois Gas Transmission System, L.P. at Wright, New York; and approximately 41 miles of 36-inch diameter looping pipeline along TGP's 300 Line in Bradford and Susquehanna counties in Pennsylvania. The Supply Path component will also include the construction and operation of one modified and three new compressor stations, and two new meter stations. The Market Path component will have a maximum design capacity of 1.3 Bcf/d and consists of approximately 188 miles of 30-inch pipeline extending from Wright, New York, to Dracut, Massachusetts, five delivery laterals in Massachusetts and New Hampshire, and one pipeline loop in Connecticut. The Market Path component will also include the construction and operation of six new compressor stations and 27 new and modified meter and regulator stations. The Market Path component facilities will be owned by Northeast Expansion, LLC. Northeast Expansion, LLC is a joint venture between Kinder Morgan Operating Limited Partnership A, Liberty Utilities (Pipeline & Transmission) Corp., and UIL Holdings Corporation. TGP will construct the Market Path component facilities on behalf of the Northeast Expansion, LLC. Subject to regulatory approvals, TGP proposes to commence certain construction activities in January of 2017, in anticipation of placing the project facilities in-service on November 1, 2018. Certain minor pipeline looping facilities located in the state of Connecticut are expected to be placed in service by November 1, 2019, based on the in-service date requested by project shippers.

<http://ir.kindermorgan.com/press-release/kindermorgan/tennessee-gas-pipeline-files-certificate-application-its-proposed-northea>

Other News

Nothing to report.

International News

Iraqi Kurdistan Plans 10 BCM Natural Gas Exports to Turkey in Two Years

Iraq's Kurdistan Regional Government Minister of Natural Resources said on Friday the region planned to export 10 billion cubic meters (BCM) of natural gas to Turkey over the next two years, but that this may slip to 2019. He also said the region planned to increase its crude oil export capacity to 1 million b/d by the end of 2016.

Reuters, 4:44 November 20, 2015

Energy Prices

U.S. Oil and Gas Prices November 20, 2015			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	39.34	40.85	76.33
NATURAL GAS Henry Hub \$/Million Btu	2.10	2.01	4.41

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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