



ENERGY ASSURANCE DAILY

Monday Evening, July 15, 2013

Electricity

New York ISO Expects Near-Record Power Demand Amid Heat Wave This Week; Urges Conservation, Activates Demand Response Programs

The New York Independent System Operator (NYISO) is projecting that sustained high temperatures forecasted for this week could push the demand for electricity in New York state to near-record levels. Peak demand for today is expected to reach 33,300 MW. New York state's record peak demand of 33,939 MW was recorded on August 2, 2006. To help manage demand on the system, the NYISO called for the activation of demand response programs between 1 and 6 p.m. local time today in the downstate region. There are more than 1,250 MW of demand response resources (programs under which consumers reduce usage) statewide. The NYISO also has notified demand response resources in all zones throughout the state that they may be activated again tomorrow between 12 and 6 p.m. With temperatures above 90 degrees expected throughout the state and the Northeast for most of this week, the NYISO anticipates the demand for electricity could rise to near-record levels and is encouraging New Yorkers to conserve electricity.

http://www.nyiso.com/public/webdocs/media_room/press_releases/2013/NYISOSustainedHeatCouldPushPowerDemandtoNearRecordLevel%2007.15.13FINAL.pdf

PJM Interconnection Has Enough Electricity for Mid-Atlantic and Midwest Heat Wave

PJM Interconnection, operator of the largest North American power grid, said it had enough electricity to keep air conditioners running as a heat wave hits the Mid-Atlantic and Midwest region this week. With power usage expected to top 150,000 megawatts (MW) each day this week, the grid operator doesn't expect any major problems. The grid's all time record is more than 163,000 MW set in 2011.

Reuters, 10:47 July 15, 2013

Update: Hydro One Returns Manby and Richview Transmission Stations to Service July 12; IESO Lifts Public Appeal for Conservation

Hydro One reported that its Toronto area transmission system was stabilized and resumed normal operations on Friday. Flash flooding resulting from the Monday, July 8, 2013 storm in Toronto flooded two critical west end Toronto transmission stations causing power disruptions to customers. The company reconfigured the local transmission system to bring power back to customers as quickly as possible however, the system continued to operate in emergency mode until efforts to restore the grid to its normal operation were completed. As a result, the Independent Electricity System Operator (IESO), which operates the region's grid, lifted the public appeal requesting that Toronto consumers reduce their electricity consumption.

http://www.hydroone.com/OurCompany/MediaCentre/Documents/July_12_TXnormal.pdf

http://www.ieso.ca/imoweb/media/md_newsitem.asp?newsID=6535

Entergy Reports Loss of Control Room Annunciators at Its 685 MW Pilgrim Nuclear Unit 1 in Massachusetts July 15

The Pilgrim nuclear plant (685 MW) in Plymouth, MA declared an unusual event to the Nuclear Regulatory Commission after it experienced a loss of annunciators for more than 15 minutes overnight. The annunciator indication returned soon after and was working normally. A cause has not been determined.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2013/20130715en.html>

Update: FirstEnergy's 882 MW Davis-Besse Nuclear Unit in Ohio Restarts by July 12, Ramps Up to Full Power by July 14

The unit restarted by July 12 and ramped up to full power by July 14. Operators reconnected the power plant back to the regional high-voltage grid over the weekend, following a two-week shutdown for a minor coolant leak. The unit tripped offline June 29 after a power cable to one of its four 25,000-horsepower reactor coolant pumps shorted out. Engineering crews then discovered the small leak, which was caused by a cracked weld in a small pipe that is part of reactor coolant recirculation system.

http://www.cleveland.com/business/index.ssf/2013/07/davis-besse_nuclear_reactor_no.html

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2013/>

Update: PG&E's 1,087 MW Diablo Canyon Nuclear Unit 2 in California Restarts by July 14, Ramps Up to 73 Percent by July 15

The unit restarted by July 14 and ramped up to 73 percent by July 15. The unit is returning from an outage that began July 10. A preliminary investigation determined the shutdown was due to an electrical disturbance when a maintenance crew was power washing electrical insulators on the non-nuclear side of the unit

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2013/>

Update: AES's 506 MW Redondo Gas-fired Unit 7 in California Returns to Service by July 12

The unit returned from an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201307121515.html>

Dynergy's 335 MW El Segundo Gas-fired Unit 3 in California Reduced by July 12

The unit entered an unplanned curtailment of 315 MW.

<http://content.caiso.com/unitstatus/data/unitstatus201307121515.html>

LIPA Announces New Plans for Additional Solar Energy for Long Island

Long Island Power Authority (LIPA) has begun the process to bring online an additional 100 MW of solar energy through its Clean Solar Initiative-II (CSI-II) program. The 100 MW from CSI-II builds upon LIPA's first program with a portion of the 100 MW targeting the South Fork on the East End in order to reduce load on constrained areas. Reducing the load constraint in this area will help defer, reduce or eliminate the need to invest hundreds of millions of dollars in building new generation, infrastructure, and transmission and distribution lines. CSI-II will precede two additional clean energy projects to be released before year end 2013. In one, LIPA staff is developing another feed-in tariff to allow for wind, fuel cells and other renewable resources to fill an additional 20MW block of renewable energy. In the other, LIPA is preparing a Request for Proposals for up-to-280 MW of renewable energy.

<http://www.lipower.org/newscenter/pr/2013/071213-solar.html>

Dominion Places 51 MW Altavista Biomass Power Station into Commercial Operation in Virginia July 12

Dominion Virginia Power placed its Altavista Power Station into commercial operation Friday with renewable biomass as its fuel, the first of three stations to be converted from coal to biomass. Dominion announced in April 2011 its plans to spend about \$165 million to convert Altavista Power Station and two similar coal-fired stations to use biomass, primarily tree tops and branches that remain unused from timbering operations, as fuel. The conversions of the other two stations are on schedule and they should be in commercial operation before the end of 2013. Dominion acquired the three power stations in 2001. They had been in operation since 1992 and used primarily to produce steam for nearby manufacturing plants and intermittently to meet the peak demand for electricity. With the biomass conversions, plans are for the three 51 MW stations to operate continuously.

<http://dom.mediaroom.com/2013-07-15-Dominion-Virginia-Power-Completes-Biomass-Conversion-At-Altavista-Power-Station>

Petroleum

North Atlantic Refining Cuts Runs , Shuts Hydrocracker Due to Sulfur Unit Problem at Its 115,000 b/d Come By Chance, Newfoundland Refinery July 12

North Atlantic Refining Ltd was forced on Friday to reduce production at its 115,000 b/d Come By Chance refinery after the failure of a sulfur unit last week. The plant's 38,000 b/d hydrocracker unit had to be taken down as well as other operations due to a problem with the sulfur unit. The sulfur unit is expected to resume operations this week. Reuters, 13:15 July 12, 2013

Natural Gas

Atlas Pipeline to Construct 200 MMcf/d Edward Gas Plant in Western Texas' Permian Basin

Atlas Pipeline Partners, L.P. announced plans to construct a new 200 MMcf/d cryogenic processing plant to accommodate rapidly increasing Permian production. The new facility, to be known as the Edward plant, will be constructed to have initial capacity of 100 MMcf/d, which is expected to be in service in the second half of 2014. As production increases behind the system, placement of additional compression and refrigeration equipment to increase the plant's capacity to 200 MMcf/d, will come in service as needed. Completion of the full facility will increase processing capacity at the WestTX system from 455 MMcf/d to 655 MMcf/d, expanding further beyond the 200 MMcf/d Driver plant addition that was brought into service in April 2013.

<http://phx.corporate-ir.net/phoenix.zhtml?c=113240&p=irol-newsArticle&ID=1837590&highlight=>

Rupture Reported on 10-inch WTG Gas Pipeline in Big Spring, Texas July 11

West Texas Gas' (WTG) 10-inch gas pipeline ruptured Thursday night. The incident did not result in a fire or injuries, the report said.

Reuters, 17:56 July 12, 2013

AGC Shut down at Regency's 290 MMcf/d Waha Gas Plant in Texas July 13

Regency Energy Partners reported an acid gas compressor (AGC) at its Waha plant shut down Saturday due to a high temperature alarm on the lubrication header, according to a filing with the Texas Commission on Environmental Quality. Investigative maintenance determined that the pressure relief valve at the second-stage (injection) scrubber had failed. The damage requires re-building of the valve and repairs are currently underway.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=185452>

Turbine Lost at DCP Midstream's 160 MMcf/d Goldsmith Gas Plant in Texas July 13

On Saturday morning operations lost turbine B due to a fuel relay de-energized alarm. The company immediately restarted the turbine which terminated the flaring event.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=185451>

AGI Shut at Enbridge's Tilden Gas Plant July 12

Enbridge reported the acid gas injector (AGI) # 2 went down on a low lube level indicator Friday at its Tilden plant. It was also determined that the HMI display panel for the AGI #2 compressor was bad. After the HMI panel was replaced, the AGI #2 motor was reset and the AGI was restarted.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=185448>

Other News

3,000 Feet of Underground Copper Wire Stolen in Shawnee, Kansas July 11

City of Shawnee authorities are searching for suspects who stole 3,000 feet of copper wire running underground to utility poles and providing power to street lights.

<http://fox4kc.com/2013/07/11/3000-feet-of-wire-copper-stolen-from-shawnee/>

International News

Leak Shuts Shell's Trans Niger Pipeline Trunkline in Nigeria Again July 15

Shell Petroleum Development Co has shut a trunk line of the Trans Niger Pipeline following a leak after having reopened it only one week ago. The shut 24-inch trunk line is part of a broader pipeline route that carries 150,000 b/d through the Niger Delta to the Bonny export terminal. The company said that "with the 28 inch TNP already shut in for removal of illegal theft connections, a total of about 150,000 barrels per day of oil have been deferred." <http://www.hydrocarbonprocessing.com/Article/3230972/Latest-News/Shell-closes-Nigerian-oil-pipeline-again-due-to-leak.html>

Update: Tests Halt Pumping Overnight on Iraq's Kirkuk-Ceyhan Pipeline Overnight July 14-15

Oil pumping was again halted overnight on the pipeline carrying crude oil from Kirkuk in Iraq to the port of Ceyhan in Turkey. Operators were conducting tests after a leak to determine if the repaired part of the line can handle the pressure. Pumping was first halted on June 21 and then briefly resumed twice last week.
Reuters, 5:47 July 15, 2013

Energy Prices

U.S. Oil and Gas Prices			
July 15, 2013			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	105.76	102.96	86.92
NATURAL GAS Henry Hub \$/Million Btu	3.61	3.52	2.83

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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