



U.S. DEPARTMENT OF ENERGY
Office of Electricity Delivery and Energy Reliability
Infrastructure Security and Energy Restoration

ENERGY ASSURANCE DAILY

Monday Evening, October 05, 2009

Electricity

SCE&G's 966 MW Summer Nuke Unit in South Carolina Shut October 2

The unit shut due to an output breaker malfunction on October 2, a spokesman said. The company did not say when the unit might return to service. The Nuclear Regulatory Commission reported that on the morning of October 2 the unit was operating at full power.

<http://www.reuters.com/article/rbssIndustryMaterialsUtilitiesNews/idUSN0531438420091005>

Information also derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

Southern's 856 MW Hatch Nuke Unit 1 in Georgia Reduced to 50 Percent by October 3

The Nuclear Regulatory Commission reported that on the morning of October 2 the unit was operating at full power.

<http://www.reuters.com/article/rbssIndustryMaterialsUtilitiesNews/idUSN0536981920091005>

Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

Exelon's 850 MW Dresden Nuke Unit 3 in Illinois Shut October 3

The unit shut due to a steam valve closure on October 3, Exelon said. The company did not say when the unit might resume operations. The Nuclear Regulatory Commission reported that on the morning of October 3 the unit was operating at 99 percent.

Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

AES's 498 MW Alamosa Gas-fired Unit 5 in California Shut by October 4

According to the California Independent System Operator, the unit reported an unplanned outage by October 4.

<http://www.caiso.com/unitstatus/data/unitstatus200910041515.html>

Duke's 222 MW Southbay Gas-fired Unit 4 in California Shut by October 3

According to the California Independent System Operator, the unit reported an unplanned outage by October 3.

<http://www.caiso.com/unitstatus/data/unitstatus200910031515.html>

SCE's 200 MW Eastwood Hydro Unit in California Shut by October 3

According to the California Independent System Operator, the unit reported an unplanned outage by October 3.

<http://www.caiso.com/unitstatus/data/unitstatus200910031515.html>

AES's 175 MW Redondo Gas-fired Unit 6 in California Shut by October 4

According to the California Independent System Operator, the unit reported an unplanned outage by October 4.

<http://www.caiso.com/unitstatus/data/unitstatus200910041515.html>

Duke Energy's 1,129 MW Catawba Nuke Unit 1 in South Carolina at Full Power by October 4

The Nuclear Regulatory Commission reported that on the morning of October 3 the unit was operating at 88 percent.

Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

Update: TVA's 1,118 MW Browns Ferry Nuke Unit 2 in Alabama Ramped Up to 37 Percent by October 5

The unit shut due to a pump failure on September 29, a news source said. The Tennessee Valley Authority (TVA) restarted the unit by October 4, and returned it to 37 percent power by this morning, October 5, according to the Nuclear Regulatory Commission (NRC). The NRC reported that on the morning of October 4 the unit was operating at 20 percent.

Reuters, 07:31 October 5, 2009

http://www.cherokeetribune.com/printer_friendly/3761195

Information also derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

PPL's 1,111 MW Susquehanna Nuke Unit 2 in Pennsylvania Ramped Up to 94 Percent by October 4

The Nuclear Regulatory Commission reported that on the morning of October 3 the unit was operating at 80 percent.

Information derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

Update: Energy Northwest's 1,107 MW Columbia Generating Station Nuke Unit in Washington Ramped Up to 96 Percent by October 5

Energy Northwest shut the unit to readjust insulation coverings on September 25, a spokeswoman said. The company had installed the coverings after an early-August fire, she said. The company had expected the shutdown to be brief, but kept the unit offline for additional maintenance. Operators returned the unit to 1 percent power by October 2, and ramped it up to 15 percent power by October 3, according to the Nuclear Regulatory Commission.

http://www.tri-cityherald.com/1406/story/740133.html?storylink=omni_popular#

Information also derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

Update: Exelon's 1,022 MW Clinton Nuke Unit in Illinois Ramped Up to 95 Percent by October 5

The unit went offline due to steam valve issues on September 30, a news source said. The Nuclear Regulatory Commission reported that on the morning of October 4 the unit was operating at 18 percent.

<http://www.reuters.com/article/rbssIndustryMaterialsUtilitiesNews/idUSN0537215820091005>

Information also derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

Update: Progress Energy's 872 MW Brunswick Nuke Unit 1 in North Carolina at Full Power by October 5

The unit shut due to an emergency diesel generator snag on September 20, a news source said. The incident also forced shut the Brunswick site's 811 MW nuke unit 2, according to the source. Unit 1 returned to full power by October 5, the Nuclear Regulatory Commission reported.

<http://www.reuters.com/article/rbssIndustryMaterialsUtilitiesNews/idUSN0537082120091005>

Information also derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

Update: Progress Energy's 811 MW Brunswick Nuke Unit 2 in North Carolina at Full Power by October 5

The unit shut due to an emergency diesel generator snag on September 20, a news source said. The incident also forced shut the Brunswick site's 872 MW nuke unit 1, according to the source. Unit 2 returned to full power by October 4, the Nuclear Regulatory Commission reported.

<http://www.reuters.com/article/rbssIndustryMaterialsUtilitiesNews/idUSN0537082120091005>

Information also derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

Update: NMC's 578 MW Monticello Nuke Unit in Minnesota Ramped Up to 93 Percent by October 4

Operators slowed the unit for maintenance by October 2, a news source said. The Nuclear Regulatory Commission reported that on the morning of October 3 the unit was operating at 52 percent.

<http://www.reuters.com/article/rbssIndustryMaterialsUtilitiesNews/idUSN0531823520091005>

Information also derived from the NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

Luminant Plans Restart at 565 MW Monticello Coal-fired Unit 1 in Texas October 5

Luminant planned to restart its 565 MW Monticello coal-fired unit 1 in Texas on October 5, two days after a boiler snag forced the unit offline, according to filings with state regulators.

<http://www11.tceq.state.tx.us/oce/eeer/index.cfm?fuseaction=main.getDetails&target=130272>

<http://www11.tceq.state.tx.us/oce/eeer/index.cfm?fuseaction=main.getDetails&target=130273>

Update: Dynegy's 335 MW El Segundo Gas-fired Unit 3 in California Returns to Service by October 4

According to the California Independent System Operator, the unit reported a return from an unplanned outage.

<http://www.caiso.com/unitstatus/data/unitstatus200910041515.html>

North American Wind Turbine Installations to Top 40,000 over Five Year Stretch—Study

North American parties will install more than 40,000 wind turbines from 2010-to-2015, according to a Pike Research study. By 2015, replacement installations will account for 45 percent of all new North American turbines, as companies replace dated equipment with bigger and more efficient models, the study said.

<http://www.pikeresearch.com/newsroom/more-than-40000-wind-turbines-to-be-installed-in-north-america-in-the-next-five-years>

Petroleum

Shell Restarts Hydrocracker after Pump Failure at 329,800 b/d Deer Park, Texas Refinery October 2

A charge pump failure forced offline a hydrocracker unit at Shell's 329,800 b/d Deer Park, Texas refinery on October 2, the company said in a filing with state regulators. The pump shutdown triggered flaring from the hydrocracker and a gasoline-making catalytic cracking unit (CCU), Shell said in the filing. The company did not say whether the disruption forced shut the CCU. The incident occurred "during a heavy rainstorm and extreme lightning," according to the filing. Shell said it curtailed a reformer and hydrogen plant, but restarted the downed hydrocracker to minimize flaring. The company was investigating the incident, as of the filing.

<http://www11.tceq.state.tx.us/oce/eeer/index.cfm?fuseaction=main.getDetails&target=130251>

Reuters, 20:02 October 2, 2009

FCC Offline at Exxon Mobil's 150,000 b/d Torrance, California Refinery by October 4

A 100,200 b/d gasoline-making fluidic catalytic cracking unit (FCC) shut at Exxon Mobil's 155,000 b/d Torrance, California refinery by October 4, said a source familiar with the facility's operations. Exxon Mobil did not confirm the shutdown, but did report to state regulators an unspecified breakdown and flaring. A second, undisclosed unit shut due to the incident, according to the source familiar with operations.

Bloomberg News, 01:29 October 5, 2009

Reuters, 12:22 October 5, 2009

Snag Forces Shut 120,000 b/d FCC at Exxon Mobil's 503,000 b/d Baton Rouge, Louisiana Refinery October 2

A snag forced shut a 120,000 b/d gasoline-producing fluid catalytic cracker unit (FCC) at Exxon Mobil's 503,000 b/d Baton Rouge, Louisiana refinery on October 2, trade sources said. The sources expected the unit to remain offline for about one week.

<http://www.reuters.com/article/marketsNews/idUSN0538437720091005>

Enbridge Plans 100,000 b/d, 20-inch, 40-mile Big Foot Oil Pipeline in Gulf of Mexico

Enbridge plans to construct a 100,000 b/d, 20-inch, approximately 40-mile crude oil pipeline from the proposed, Chevron-operated Big Foot ultra deepwater development in the Gulf of Mexico to a sub-sea connection on existing pipeline infrastructure, the company said in a release. Enbridge said previously that it planned to construct a natural gas pipeline from the Big Foot field and two other Chevron-operated fields in the Gulf of Mexico—Jack and St. Malo.

<http://cnrp.ccnmatthews.com/client/enbridge/releaseen.jsp?actionFor=1054642>

Exxon Mobil-led Group Plans 25,000 b/d Hibernia AA Oilfield in Newfoundland, Canada

An Exxon Mobil-led consortium expects to initially produce 11,000 b/d, and then boost output to 25,000 b/d at the Hibernia AA oilfield in Newfoundland, Canada, a news source reported. The consortium received provincial approvals for its plans, according to the source.

<http://www.petroleum-economist.com/default.asp?page=14&PubID=46&ISS=25487&SID=722640>

United States Increases Canadian Oil Imports Despite Overall Reductions in July 2009

The United States imported an average 2.11 million b/d of Canadian crude in July 2009, up 109,000 b/d from the previous month and 134,000 b/d from July 2008, the Energy Information Administration (EIA) said. It marked the largest average total since at least 1973—when the EIA began tracking import data—and came despite an 8.9 percent decline in total U.S. oil imports. The United States imported an average 9.227 million b/d of oil, from all sources, in July of 2009, according to the EIA.

<http://www.petroleumnews.com/pntruncate/996754.shtml>

Natural Gas

Explosion, Fire along Atmos Energy's 18-inch Natural Gas Pipeline in Louisiana October 3

An explosion and fire forced shut a segment of Atmos Energy's 18-inch natural gas pipeline in Marrero, Louisiana on October 3, news sources reported. The company said the blast likely occurred when overhanging power lines—owned by Entergy—ignited a leak along the pipeline. Atmos Energy did not believe the incident had impacted its customers. It planned to repair the affected segment, but said Entergy was working on the associated transmission line. No one was injured in the event.

http://www.nola.com/news/index.ssf/2009/10/post_41.html

<http://www.ksla.com/Global/story.asp?S=11253324#>

MarkWest Liberty Midstream Plans 120 MMcf/d Natural Gas Processing Facility in Majorsville, West Virginia

Markwest Liberty Midstream & Resources, LLC expects to complete a 120 MMcf/d natural gas processing facility in Majorsville, West Virginia in mid-2010, it said in a press release. The company is a joint venture of MarkWest Energy Partners, L.P. and the Midstream & Resources Funds, according to the release.

<http://www.markwest.com/files/MWE/MWE%20Announces%20Majorsville%20Agreements2.pdf>

ExxonMobil May Begin Production in 2012 at Estimated 330 Bcf Chebucto Natural Gas Field Offshore Nova Scotia, Canada

ExxonMobil Canada may add the Chebucto field to its existing Sable natural gas project offshore Nova Scotia, Canada by 2012, the company said. The Chebucto site holds an estimated 330 Bcf of proved and provable natural gas reserves, a news source said.

<http://www.petroleum-economist.com/default.asp?page=14&PubID=46&ISS=25487&SID=722640>

Other News

Guardian Energy Eyes Fall 2009 Restart for Newly-Purchased, 100 MMGal/Yr. Ethanol Plant in Janesville, Minnesota

Guardian Energy hopes to launch production this fall at its newly-acquired, 100 MMGal/Yr. Janesville, Minnesota ethanol plant, a company official said. VeraSun, the site's previous owner, declared bankruptcy in 2008.

<http://indianaprairiefarmer.com/story.aspx?s=31871&c=8>

Update: Powers Energy of America Plans 175 MMGal/Yr. Trash-to-Ethanol Plant in Indiana

Powers Energy of America expects to produce 175 MMGal/Yr. of garbage-based ethanol at its facility in Lake County, Indiana, a news source said.

<http://www.petroleum-economist.com/default.asp?page=14&PubID=46&ISS=25487&SID=722640>

Southwest Terminal Plans 50 MMGal/Yr. Biodiesel Plant in Arizona

Pacific Texas Corp.'s Southwest Terminal LLC plans to construct a 50 MMGal/Yr. jatropha-based biodiesel plant in Pinal County, Arizona, a news source said. The company would open the facility in two phases: the first phase would involve 22-to-25 MMGal/Yr. of output, and the second phase would possibly boost production beyond 50 MMGal/Yr., the source said. The company hopes to begin work in January 2010, an official said.

<http://www.thirdbiotech.com/en/art/211/>

<http://www.petroleum-economist.com/default.asp?page=14&PubID=46&ISS=25487&SID=722640>

Ethanol Tax Credit May not be Necessary, GAO Says

The U.S. Congress should consider changing or abandoning the 45 cent/gallon tax credit issued to distributors who blend corn-based ethanol with gasoline, the Government Accountability Office (GAO) said in a report. The credit “may no longer be needed to stimulate conventional corn ethanol production because the domestic industry has matured,” according to the report, titled “BIOFUELS: Potential Effects and Challenges of Required Increases in Production and Use.” The report recommended the Environmental Protection Agency (EPA) work with the Departments of Energy and Agriculture to “develop a coordinated approach for identifying and researching unknown variables and major uncertainties in the lifecycle greenhouse gas analysis of increased biofuels production.” That, according to the GAO, would help the EPA “determine biofuels’ greenhouse gas emissions and define fuels eligible for consideration under the Renewable Fuels Standard.” The report also suggested that the Departments of Energy and Agriculture research technologies to produce biofuels that are compatible with “existing petroleum-based distribution storage infrastructure and the current fleet of U.S. vehicles.” To read the report, click on the link below.

<http://www.gao.gov/new.items/d09446.pdf>

Bloomberg News, 15:24 October 2, 2009

Energy Prices

U.S. Oil and Gas Prices			
October 5, 2009			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	70.26	66.73	94.76
NATURAL GAS Henry Hub \$/Million Btu	2.89	3.61	7.59

Source: Reuters

Energy Notes

Storms Knock Out Power to 21,000 CPS Energy Customers in Texas October 4

<http://www.kens5.com/news/stories/KENS20091005-Thunderstorm-Flood-Folo.1e83dd991.html>

http://www.mysanantonio.com/news/local_news/63474497.html

Update: Sithe Global Seeks DOE Grant for Carbon Capture and Sequestration Technology at Planned 1,500 MW Coal-fired Desert Rock Power Plant in New Mexico

http://www.businesswire.com/portal/site/google/?ndmViewId=news_view&newsId=20091005005475&newsLang=en

SunEdison Canada, SkyPower Corp. Start-up 9.1 MW Photovoltaic Solar System in Ontario, Canada by October 2

<http://www.prnewswire.com/news-releases/sunedison-and-skypower-activate-first-light-canadas-first-operational-solar-energy-park-63306642.html>

Entergy Says it has Spent approximately \$100 Million on Improvements after Hurricane Gustav in Louisiana—Company Continues to Construct New Towers and Substations

<http://www.theadvocate.com/news/suburban/63465572.html?showAll=y&c=y>

OPG Files Environmental Impact Statement, Updates Site Preparation License Application for Planned Nuclear Power Unit at Darlington Location in Ontario, Canada

http://pro.energycentral.com/professional/news/power/news_article.cfm?id=13542618

Valero Idles Coker at 190,200 b/d Delaware City, Delaware Refinery by October 5

Bloomberg News, 09:43 October 5, 2009

U.S. Oil Demand Hits 13-Year Low, 18.771 Million b/d, in July 2009—EIA

http://www.reuters.com/article/reutersComService_3_MOLT/idUSTRE58S3BP20090929

Update: Three Militant Commanders Cede Arms as 60-Day Government Amnesty Offer Ends in Nigeria October 4

<http://www.ft.com/cms/s/0/974d1812-b15a-11de-b06b-00144feabdc0.html>

Natural Gas Well Blows Out in Louisiana, Forcing nearby School Evacuation October 1

<http://www.theadvertiser.com/article/20091001/NEWS01/91001021/Well+blowout+shuts+down+school>

PdVSA, Chevron Plan 750 MMcf/d Natural Gas Production in Deltana Platform area in Venezuela – 7 Tcf of Proven Natural Gas Reserves in Area

<http://www.google.com/hostednews/ap/article/ALeqM5jC8Z0dpGGr6Z64TWiOq2kGrIBGkAD9B3LF7G0>

Unit Shutdown, Flaring at Amerada Hess Seminole Gas Processing Plant in Texas October 4

<http://www11.tceq.state.tx.us/oce/ee/index.cfm?fuseaction=main.getDetails&target=130275>

Winds Down Amine Heater, Force Shut Pawnee Treating Plant in Texas October 3

<http://www11.tceq.state.tx.us/oce/ee/index.cfm?fuseaction=main.getDetails&target=130276>

Power Disruption Forces Shut Goldsmith Gas Plant in Texas October 2—Operators Begin Restart within Hours

<http://www11.tceq.state.tx.us/oce/ee/index.cfm?fuseaction=main.getDetails&target=130269>

Brief Compressor Shutdowns Trigger Flaring at Cedar Lake Booster Station in Texas October 2

<http://www11.tceq.state.tx.us/oce/ee/index.cfm?fuseaction=main.getDetails&target=130270>

U.S. Biofuel Production to Lag Far Behind 100 Million Gallon Renewable Fuels Standard in 2010, Analyst Says

<http://www.nytimes.com/cwire/2009/10/05/05climatewire-biofuels-producers-warn-they-are-going-to-fa-82387.html?pagewanted=print>

Links

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

<http://tonto.eia.doe.gov/oog/info/twip/twip.asp>

Updated every Wednesday.

Weekly Petroleum Status Report from EIA

http://www.eia.doe.gov/oil_gas/petroleum/data_publications/weekly_petroleum_status_report/wpsr.html

Updated after 10:30 AM & 1:00 PM EST every Wednesday.

Natural Gas Weekly Update from EIA

<http://tonto.eia.doe.gov/oog/info/ngw/ngupdate.asp>

Updated after 2:00 PM EST every Thursday.

ENERGY ASSURANCE DAILY

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<http://www.oe.netl.doe.gov/ead.aspx>

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