



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

ENERGY ASSURANCE DAILY

Wednesday Evening, August 14, 2013

Electricity

Commercial Operations Begin at Calpine's 619 MW Russell City Energy Center and 309 MW Los Esteros Critical Energy Facility in California August 13

Calpine Corporation has successfully commenced commercial operations at its 619 MW Russell City Energy Center and 309 MW Los Esteros Critical Energy Facility, both located in the San Francisco Bay area. Together, the two plants bring online more than 900 MW of combined-cycle natural gas-fired power generation capacity. The full power output of both plants will be delivered to Pacific Gas and Electric Company (PG&E) which will also supply the natural gas fuel, under 10-year power purchase agreements.

<http://phx.corporate-ir.net/phoenix.zhtml?c=103361&p=irol-newsArticle&ID=1847291&highlight>

Update: Constellation's 825 MW Calvert Cliffs Nuclear Unit 1 in Maryland at Full Power by August 14

On the morning of August 13 the unit was operating at 81 percent, according to the Nuclear Regulatory Commission.

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

Update: Progress Energy's 811 MW Brunswick Nuclear Unit 2 in North Carolina Ramped Up to 76 Percent by August 14

On the morning of August 13 the unit was operating at 60 percent, according to the Nuclear Regulatory Commission.

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

Petroleum

Update: CDU Restarting After SRU Breakdown at Shell's 600,000 b/d Motiva Port Arthur, Texas Refinery August 13

Motiva Enterprises was restoring a crude distillation unit (CDU) to production at its Port Arthur, Texas, refinery after it was taken out of operation by a sulfur recovery unit (SRU) breakdown on Monday. The CDU is expected to be back in normal production on Wednesday as are a hydrotreating unit and a unit that produces lube oil. The SRU is expected to remain shut for at least three weeks to repair a hole burned in the metal wall of the unit after insulation lining the interior of the SRU broke off on Monday.

Reuters, 19:44 August 13, 2013

Valero's 310,000 b/d Port Arthur, Texas Refinery Reports FCC, AVU Emissions; No Shut Units from Power Outage August 13

Valero Energy Corp. reported emissions from an atmospheric and vacuum unit (AVU) and a fluid catalytic cracker (FCC) due to a pump failure that caused an upset at the refinery, according to a notice with state pollution regulators. Valero also said that production units were not shut due to Tuesday's power outage at the storage tank area of the plant. Energy intelligence group Genscape reported on Wednesday that the refinery's 75,000 b/d CDU and associated VDU were restarted overnight.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=186703>

Reuters, 18:37 August 13, 2013

Update: Hydrocrackers at Planned Rates at Valero's 270,000 b/d Norco, Louisiana August 14

Valero Energy Corp. said both hydrocrackers at its refinery in Norco, Louisiana, were running at planned rates. A hydrocracking unit at the refinery was running at reduced production levels on Tuesday as it recovered from a Friday night power outage, a company spokesperson said.

Reuters, 10:46 August 14, 2013

Update: Phillips 66 Regains Control After Process Upset at its 146,000 b/d Borger, Texas Refinery August 13

Phillips 66 reported it regained control after a process upset and emissions from the unit 34 sulfur recovery unit (SRU) at its refinery in Borger, Texas late Monday, according to a filing with state pollution regulators. The company said on Tuesday that there was no planned maintenance under way at the refinery.

Reuters, 17:10 August 13, 2013

Natural Gas

SRU Shut, Acid Gas Flared at Southern Union's 140 MMcf/d Keystone Gas Plant in Texas August 13

Southern Union reported flared acid gas due to a sulfur recovery unit (SRU) being shut down due to high bed temperature.

<http://www11.tceq.state.tx.us/oce/eer/index.cfm?fuseaction=main.getDetails&target=186706>

Enbridge Reports AGI Units Shut at Its Tilden Gas Plant in Texas August 13

Enbridge reported the chiller system shut down unexpectedly due to loss of evaporator water flow caused when chiller pump A tripped. The loss of the chiller system caused the shutdown of AGI no. 1 and AGI no. 2 due to fifth stage high discharge pressure. Chiller pump B was placed into service and evaporator water flow was re-established. AGI no. 1 and AGI no. 2 were restarted and returned to service. Chiller pump A is being tested to determine cause of shut down.

<http://www11.tceq.state.tx.us/oce/eer/index.cfm?fuseaction=main.getDetails&target=186676>

Other News

Energy Department Breaks Ground on 11.5 MW Wind Farm at Pantex Nuclear Weapons Facility in Texas August 13

The Energy Department, on Tuesday, broke ground on the nation's largest federally-owned wind project at the Pantex Plant in Amarillo, Texas. The Pantex Plant is the primary site for the assembly, disassembly, and maintenance of the United States' nuclear weapons stockpile. Located on 1,500 acres east of the Pantex Plant, the wind farm will generate approximately 47 million kWh of electricity annually – more than 60 percent of the annual electricity used for Pantex. The project is expected to complete construction and start generating electricity in summer 2014.

<http://energy.gov/articles/largest-federally-owned-wind-farm-breaks-ground-us-weapons-facility>

International News

Update: Libya's Oil Output Falls to 600,000 b/d as Hamada Field Shut August 14

Libya's oil production has fallen to around 600,000 b/d due to field problems and the closure of the Hamada field, the deputy oil minister said. The Hamada field, run by Arabian Gulf Oil Company (AGOCO), has been closed since the port of Marsa Al Hariga is still shut. The field had been producing around 10,000 b/d. The 220,000 b/d Ras Lanuf refinery is operating again, an employee as well as a trader and a shipper said, following worker strikes although the main port is still closed.

Reuters, 10:55 August 14, 2013

Update: Crude Oil Flows Restart Through Iraq's Kirkuk-Ceyhan Pipeline to Turkey After Bomb Attack

Crude oil flows has resumed through the Kirkuk-Ceyhan pipeline, linking Iraq to Turkey, after a bomb attack on Tuesday, a regional shipping source said. The shipping source said crude oil theft was to blame for the disruption but further clarification was not immediately available.

Reuters, 6:32 August 14, 2013

Energy Prices

U.S. Oil and Gas Prices August 14, 2013			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	106.73	104.87	93.28
NATURAL GAS Henry Hub \$/Million Btu	3.34	3.35	2.77

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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