



# ENERGY ASSURANCE DAILY

Monday Evening, October 24, 2016

## Major Developments

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### **Enterprise Shuts Its 850,000 b/d Seaway Pipeline System after Leak Discovered in Cushing, Oklahoma October 23; Restarts 450,000 b/d Twin Line October 24**

On October 23, Enterprise Product Partners discovered a leak on its 850,000 b/d Seaway Pipeline System in Cushing, Oklahoma. The Seaway Pipeline System is comprised of two 30-inch diameter lines: a 400,000 b/d legacy line and a 450,000 b/d Twin Line. The leak was discovered on the legacy line, but both lines were shut as a precaution. On Monday, Enterprise said it had restarted its Twin Line, but the legacy line remained shut. Enterprise, which operates the pipeline system in a venture with Enbridge Inc., did not provide an estimate of the volume spilled, but said it was significantly less than the 50,000-barrel capacity of the impacted segment, and much of it was contained in a retention pond at Enbridge's facility. Enterprise said there was no threat to the public and no evacuations ordered. The company was working with emergency responders, law enforcement, and regulators to clean up the spill. A spokeswoman from the U.S. Department of Transportation's Pipeline and Hazardous Materials Safety Administration (PHMSA) said the organization was aware of the spill and officials were dispatched to take corrective measures and provide relief. The 500-mile pipeline system connects the U.S. crude oil storage hub in Cushing to the Freeport, Texas area, and a terminal and distribution crude oil network that serves refineries in the Greater Houston area.

Reuters, 14:276 October 24, 2016

## Electricity

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### **Snowstorm Knocks Out Power to Over 40,000 Hydro-Quebec Customers in Quebec October 23**

Quebec's first snowstorm of the season produced high winds and knocked out power to over 40,000 Hydro-Quebec customers on Sunday morning. According to Hydro-Quebec, the hardest hit areas were Estrie, Lanaudiere, and the Monteregie region with reported wind gusts of up to 45 mph. As of 3:30 p.m. EDT Monday, 3,046 customers remained without power.

<http://poweroutages.hydroquebec.com/poweroutages/service-interruption-report/#bis>

<https://twitter.com/hydroquebec>

<http://montreal.ctvnews.ca/over-17-000-without-power-after-snow-high-winds-sweep-through-quebec-1.3127622>

### **KCP&L Reports Nearly 17,000 Customers without Power in Missouri Due to 'Substation Issue' October 23**

KCP&L reported nearly 17,000 customers were without power on Sunday morning in St. Joseph and surrounding areas. The utility said there was "an issue at a substation" but did not provide further detail. By 3:00 p.m. CDT Sunday, power was nearly fully restored.

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

[http://www.newspressnow.com/news/local\\_news/outage-leaves-around-without-power/article\\_c935d96a-c967-58c6-b744-62e89cc05db9.html](http://www.newspressnow.com/news/local_news/outage-leaves-around-without-power/article_c935d96a-c967-58c6-b744-62e89cc05db9.html)

### **Dominion's 810 MW Surry Nuclear Unit 1 in Virginia Shut by October 22**

On the morning of October 21 the unit was operating at full power. The cause of the shutdown was not immediately known.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2016/>

## **Update: PG&E's 1,087 MW Diablo Canyon Nuclear Unit 1 in California at Full Power by October 23**

On the morning of October 22 the unit was operating at 50 percent, reduced from 99 percent on October 17.  
<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2016/>

## **RRI Energy's 130 MW Mandalay Gas-fired Unit 3 in California Shut by October 23**

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201610231515.html>

## **NCPA's 247 MW Collierville Hydro Units 1 and 2 in California Reduced by October 23**

The unit entered an unplanned curtailment of 121 MW.

<http://content.caiso.com/unitstatus/data/unitstatus201610231515.html>

## **SCE's 200 MW Eastwood Hydro Unit in California Shut by October 22**

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201610221515.html>

## **PG&E's 119 MW Belden Hydro Unit in California Shut by October 22**

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201610221515.html>

## **OPPD Permanently Shuts Its 478 MW Fort Calhoun Nuclear Plant in Nebraska October 24**

Omaha Public Power District (OPPD) on Monday began the first step of its Fort Calhoun nuclear power plant decommissioning process. The plant will be down-powering at 10 percent per hour until the plant reaches 30 percent power, which should be at 1 p.m. local time. At that point, reactor operators will initiate a manual reactor trip, which inserts the control rods and shuts down the reactor for the final time. OPPD's board decided earlier this year that the plant, which is located about 15 miles north of Omaha, is no longer financially sustainable. The shutdown of the plant is only one of the first steps of a decommissioning process that could stretch on for as many as 60 years and cost more than \$1 billion. During that process, the utility will have to decontaminate and disassemble elements of the power plant.

<http://oppdthewire.com/fort-calhoun-station-ceases-operations/>

Reuters, 23:49 October 23, 2016

## ***Petroleum***

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## **Update: DEP Reports Sunoco Pipeline Capped, No Impact on Water from Gasoline Spill in Pennsylvania October 23**

The Pennsylvania Department of Environmental Protection (DEP) on Sunday reported both ends of Sunoco's 8-inch pipeline were capped after it ruptured and spilled about 1,300 barrels of gasoline into a tributary of Loyalsock Creek in Lycoming County on Friday. The contents of the pipeline section were purged with nitrogen and the small amount of gasoline that remained in the pipe was removed. The approximately 80-foot section of the pipeline—which runs from Reading, Pennsylvania to Buffalo, New York—was extracted on Sunday evening. The pipeline broke amid heavy rain and flooding overnight Friday, forcing operators to shut it down after detecting a drop in pressure. DEP said it conducted water sampling for volatile organic compounds in waters that could have been affected by the spill. Gasoline compounds were detected in the samples downstream of the break, but were below safe drinking water levels in the Susquehanna River. A Sunoco spokesperson said the company and environmental officials will continue to monitor the area.

<http://www.ahs.dep.pa.gov/NewsRoomPublic/articleviewer.aspx?id=21085&typeid=1>

<http://www.northcentralpa.com/local-news/update-gasoline-pipeline-spill-lycoming-county-sunday-oct-23>

Reuters, 18:01 October 22, 2016

## **Motiva Reports Unit Upset at Its 238,000 b/d Norco, Louisiana Refinery October 23**

Motiva Enterprises reported a unit upset at its Norco refinery on October 23, according to the National Response Center.

Reuters, 10:38 October 24, 2016

## **Shell Reports Restarting Unit at Its Scotford, Alberta Facility October 23**

Royal Dutch Shell reported restarting a unit at its Scotford facility on October 23, according to a community line. Shell also said there may be increased flaring over the next 48 hours. The Scotford facility houses a 100,000 b/d refinery and a 255,000 b/d oil sands upgrader.  
Reuters, 21:53 October 23, 2016

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## **Natural Gas**

### **Regency Reports AGI Shut at Its 290 MMcf/d Waha Gas Plant in Texas October 21**

Regency reported a failed fourth suction pressure transmitter at its Waha gas plant. The transmitter was replaced and the acid gas injector (AGI) was reset and restarted.

<http://www2.tceq.texas.gov/oce/ee/index.cfm?fuseaction=main.getDetails&target=245849>

### **PHMSA Issues Final Orders with \$732,100 in Civil Penalties to ONEOK October 21**

The U.S. Department of Transportation's (DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA) on Friday issued three Final Orders with required corrective actions and civil penalties totaling \$732,100 to ONEOK NGL Pipeline, LP, ONEOK NGL Pipeline, LLC, and ONEOK Underground Storage Company, LLC. PHMSA said the final orders were the result of an investigation into a fire that occurred at an ONEOK facility in Bushton, Kansas that found 15 violations of the pipeline safety regulations. ONEOK operates 11,500 miles of pipeline transporting hazardous liquids in Texas, Oklahoma, Kansas, and several other states.

<http://www.phmsa.dot.gov/pipeline/phmsa-issues-final-orders-with-732100-in-civil-penalties-to-oneok>

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## **Other News**

Nothing to report.

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## **International News**

### **Iraq's Oil Production Hits 4.7 Million b/d in September – Deputy Oil Minister**

Iraq's total oil production, including output in the Kurdistan Regional Government (KRG) area, stood at 4.774 million b/d, the deputy oil minister said on Sunday. Total exports for September, including the KRG, were 3.871 million b/d, the head of Iraq's State Oil Marketing Company said, stressing that his country would not cut back on production.

Reuters, 5:22 October 23, 2016

### **Libya's Oil Output at 580,000–600,000 b/d – Prime Minister**

Libya's Prime Minister on Sunday said oil production was at 580,000–600,000 b/d and officials were negotiating with western municipalities to return another 380,000 b/d output from those areas. Libya's production has been hit by port shutdowns, strikes, and protests closing pipelines since the fall of Muammar Gaddafi in 2011. Output has increased recently since the reopening of major oil export terminals.

Reuters, 12:39 October 23, 2016

## Energy Prices

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U.S. Oil and Gas Prices			
October 24, 2016			
	Today	Week Ago	Year Ago
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	50.13	49.92	43.78
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	2.89	3.13	2.43

Source: Reuters

## Links

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***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](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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