



ENERGY ASSURANCE DAILY

Monday Evening, March 14, 2016

Major Developments

Damaging Winds Knock Out Power to Over 289,000 Customers in Northwest March 13

A strong Pacific front on Sunday brought damaging winds into Washington and British Columbia, knocking out power to at least 289,296 customers. Puget Sound Energy, the hardest hit utility with 176,000 customer outages, said fallen trees and debris damaged its electric infrastructure, but that it was making good progress on restoration efforts. Seattle City Light and Snohomish PUD said its crews were actively restoring service to customers throughout the day on Monday. Snohomish PUD said its crews had completed more than 90 restoration jobs around the county by noon. As of 3:30 p.m. EDT Monday, 28,181 customers remained without power. The table below shows total affected customers and the latest reported outages by utility. The “Affected” column shows the total count of customers that lost power at one point or another over the course of the storm for each utility. These outages may not have occurred concurrently and are not the same as peak outages.

Northwest Customer Power Outages			
March 13–14, 2016			
Electric Utility	State	Affected	Latest Reported
Puget Sound Energy	WA	176,000	21,344
Seattle City Light	WA	40,896	1,567
Snohomish PUD	WA	40,000	5,000
Tacoma PUD	WA	6,400	1
Gray’s Harbor PUD	WA	10,000	120
BC Hydro	British Columbia	16,000	149
TOTAL*		289,296	28,181

*Represent peak outages reported by utilities

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

Sources:

<https://pse.com/accountsandservices/ServiceAlert/Pages/Outage-Map.aspx?WT.ac=Flyout-OutageMap>

<https://twitter.com/PSETalk>

<http://www.seattle.gov/light/sysstat/>

<https://twitter.com/SEACityLight>

<https://twitter.com/SnoPUD>

<http://outagemap.snopud.com/>

<http://www.mytpu.org/tacomapower/outage-safety/tacoma-power-outage.htm>

<https://www.facebook.com/mytpu>

https://twitter.com/GHPUD?ref_src=twsrc%5Egoogle%7Ctwcamp%5Eserp%7Ctwgr%5Eauthor

<https://www.ghpud.org/index.php/current-outages/305-east-hoquiam-humptulips-quinault-outages>

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

<https://twitter.com/bchydro>

<http://globalnews.ca/news/2575272/stormy-weather-expected-across-parts-of-b-c/>

<http://www.kiro7.com/news/strong-weekend-storm-forecast-in-puget-sound/158276056>

<http://www.kiro7.com/news/tens-of-thousands-without-power-after-powerful-storm/160797350>

SCE Reports Broken Pole Knocks Out Power to 11,000 Customers in Southern California March 13

Southern California Edison (SCE) on Sunday morning reported 11,000 customers without power in Huntington Beach due to a broken cross arm on a power pole. Power was restored to the majority of customers by Sunday afternoon, officials said. Power was expected to be restored to all customers by 10:00 p.m. PDT, utility officials said.

<https://www.sce.com/wps/portal/home/outage-center/check-outage-status>
<http://www.nbclosangeles.com/news/local/Hundreds-of-Customers-Without-Power-in-Huntington-Beach-371919842.html>

GenOn's 204 MW Marsh Landing Gas-fired Unit 1 in California Shut by March 13

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201603131515.html>

GenOn's 203 MW Marsh Landing Gas-fired Unit 2 in California Shut by March 13

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201603131515.html>

PG&E's 154 MW Kerkhoff Hydro Unit 1 in California Shut by March 11

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201603111515.html>

Petroleum

Shells Reports Normal Operations at Its 145,000 b/d Puget Sound, Washington Refinery March 11 after Power Disruption Due to High Winds March 10

Royal Dutch Shell Plc said on Friday that normal operations resumed at its Puget Sound refinery in Anacortes, Washington after a power blip on Thursday. The refinery experienced some power disruptions due to high winds that temporarily impacted a few process units on Thursday, the company said.

Reuters, 22:19 March 13, 2016

Tesoro Says Fire Extinguished at Its 257,300 b/d Carson, California Refinery March 14

Tesoro Corp on Monday said a fire was extinguished at its refinery in Carson Los Angeles, California. No injuries were reported and the incident was under control, the company said, adding that emergency responders were on site. The company did not identify which units were involved in the incident; however, traders said at least one of the three reformers at the refinery was said to have been affected by the blaze.

Reuters, 16:17 March 14, 2016

Reuters, 14:57 March 14, 2016

Phillips 66 Reports Upset at Its 225,000 b/d Ferndale, Washington Refinery March 11

Phillips 66 reported a flare gas recovery system upset and excess sulfur dioxide emissions at its Ferndale, Washington refinery, according to a filing with the Northwest Clean Air Agency. The company also said there was no planned maintenance currently underway at the refinery.

Reuters, 17:22 March 11, 2016

Valero Reports Flaring at Its 145,000 b/d Benicia, California Refinery March 13

Valero Energy Corp reported a flaring event occurred resulting in the release of more than 500 pounds of sulfur dioxide in to the atmosphere at its Benicia, California refinery, according to a filing with the California Emergency Management Agency.

Reuters, 22:37 March 13, 2016

BSEE Halts Drilling at Offshore Rig in Gulf of Mexico after Reported Fatality March 11

The U.S. Bureau of Safety and Environmental Enforcement (BSEE) on Friday said it suspended drilling operations on Platform A located in Green Canyon Block 18 after it responded to a reported fatality. Whistler Energy II, which operates the platform about 150 miles south of New Orleans, Louisiana, reported that an offshore worker was fatally injured while working on the platform rig. All drilling operations will remain suspended until BSEE investigates the incident and approves a restart. BSEE said production was not impacted since this is a platform rig with production from a separate deck. No pollution or additional injuries were reported, BSEE said.

<http://www.bsee.gov/BSEE-Newsroom/BSEE-News-Briefs/2016/BSEE-Responds-to-Report-of-Fatality-in-the-Gulf-of-Mexico/>

Natural Gas

Enable Gas Transmission Declares Force Majeure Due to Flooding at Its Perryville Hub in Louisiana March 10; Food Waters Recede at Perryville March 14

Enable Gas Transmission declared force majeure due to flooding that was impacting several compressor stations in north Louisiana and its Perryville Hub. The company reported on Thursday that its Perryville, Delhi, Sterlington, and Ruston Compressor stations were being impacted by the floodwaters. On Friday, the company said its southern storage fields were also being impacted and hindering its ability to manage long and short positions. On Monday, the company said flood waters around the Perryville Compressor receded; however, due to flood damage, the maximum capacity for all points located in the Perryville Hub area is approximately 500 MMcf/d. Enable said all previously impacted points were available for nominations beginning Monday, but that the notice of force majeure remains in effect. Enable Gas Transmission is a subsidiary of Enable Midstream Partners, LP.

<http://pipelines.enablemidstream.com/viewReport.aspx?Pipeline=EGT&ReportType=NOTICES:CriticalNotices&URL=http://pipelines.centerpointenergy.com/stellent/groups/public/documents/ebb/cnp294049.htm>

<http://pipelines.enablemidstream.com/viewReport.aspx?Pipeline=EGT&ReportType=NOTICES:CriticalNotices&URL=http://pipelines.centerpointenergy.com/stellent/groups/public/documents/ebb/cnp293892.htm>

Mississippi River Transmission Terminates Flooding Alert Critical Notice at Its Perryville Compressor Station in Louisiana March 14; Force Majeure Declared March 10

Mississippi River Transmission on Monday terminated a notice of force majeure affecting its Perryville Compressor Station located in Ouachita Parish, Louisiana. The company on Thursday declared force majeure when the station was inoperable due to flooding. Mississippi River Transmission is owned by CenterPoint Energy, an affiliate of Enable Midstream Partners, LP.

<http://pipelines.centerpointenergy.com/viewReport.aspx?Pipeline=MRT&ReportType=NOTICES:CriticalNotices&URL=http://pipelines.centerpointenergy.com/stellent/groups/public/documents/ebb/cnp294066.htm>

<http://pipelines.centerpointenergy.com/viewReport.aspx?Pipeline=MRT&ReportType=NOTICES:CriticalNotices&URL=http://pipelines.centerpointenergy.com/stellent/groups/public/documents/ebb/cnp293893.htm>

Tennessee Gas Pipe Line Declares Force Majeure at Its HPL/Sabine Receipt Meter in Texas March 14

Tennessee Gas Pipe Line on Monday declared force majeure for receipt meter HPL/Sabine in Texas due to flooding in and around the Sabine River. The meter was shut in and no nominations will be accepted until the meter has been returned to service.

http://pipeline2.kindermorgan.com/Notices/NoticeDetail.aspx?code=TGP¬c_nbr=358840&date=3/14/2016&subject=¬c_type=-1¬c_sub_type=-1¬c_ind=C

Manta Ray Offshore Gathering Company Extends Force Majeure, Suspends Repairs Due to Weather at Its Green Canyon 19 Platform in Gulf of Mexico March 10

Manta Ray Offshore Gathering Company on Thursday extended its force majeure, originally declared on February 11, due to inclement weather offshore preventing maintenance activities. The force majeure was extended due to the suspension of service for the valve repair at the Green Canyon 19 platform. Manta Ray estimates the repair will be completed Wednesday, March 16, but said timing could change due to weather or other unforeseen circumstances.

<http://www.enbridge.com/Informational-Postings/Manta-Ray/Notices/Critical.aspx>

<http://enotices.enbridge.com/ENotices/NoticeEntryPage.aspx?selnoticecode=manr201642.153346>

Natural Gas Pipeline Company of America Declares Force Majeure Due to Leak on Its M&M Mainline in Oklahoma March 12

Natural Gas Pipeline Company of America on Saturday discovered a leak during routine operations near Compressor Station 156 on its M&M mainline located in Washita County, Oklahoma. In order to complete repairs, the company must isolate the impacted area by reducing the operating pressure within the line. The repair work will occur from just north of Compressor Station 156 in Washita County, Oklahoma, to just south of Compressor Station 158 in Custer County, Oklahoma.

http://pipeline2.kindermorgan.com/Notices/NoticeDetail.aspx?code=NGPL¬e_nbr=36133&date=3/14/2016&subject=¬e_type=-1¬e_sub_type=-1¬e_ind=C

Enbridge Reports Upset at Its 150 MMcf/d Tilden Gas Plant in Texas March 10

Enbridge reported a process upset occurred from the “500 GPM plant” when a flash tank malfunctioned. All gas was routed to the flare to curtail emissions. The gas from “500 GPM plant” was routed to the “400 GPM plant” to stabilize flow and to identify the malfunction.

<http://www2.tceq.texas.gov/oce/eer/index.cfm?fuseaction=main.getDetails&target=229014>

FERC Denies Permit for Jordan Cove’s 1.0 Bcf/d Pacific Connector LNG Pipeline in Oregon March 11

The Federal Energy Regulatory Commission (FERC) denied permits Friday for a liquefied natural gas (LNG) terminal in the coastal town of Coos Bay. The 230-mile pipeline route from Malin to Coos Bay, Oregon has been opposed by private landowners and conservation groups. It crosses rivers, mountain ranges, and a mix of private and public lands. The planned port facilities include a shipping channel, berths for LNG tankers and tugboats, and refrigeration facilities to turn the gas into a liquid. Regulators said the companies involved in the project are free to reapply in the future and that the commission would consider their plans if they can demonstrate a market need for their product.

<http://jordancovelng.com/project/>

<http://www.ferc.gov/CalendarFiles/20160311154932-CP13-483-000.pdf>

Reuters, 21:01 March 11, 2016

Other News

Nothing to report.

International News

Colombia’s 210,000 b/d Cano Limon Pipeline Suspended after Rebel Attacks March 14

State oil company Ecopetrol on Monday said two rebel bomb attacks halted pumping operations along Colombia’s 485-mile Cano-Limon Covenas pipeline.

Reuters, 12:21 March 14, 2016

Kurdish Oil Loadings at Turkey’s Ceyhan Port Delayed Due Weather

Loadings of oil from Iraqi Kurdistan at the Turkish Mediterranean port of Ceyhan, which were halted on February 17, remained suspended on Monday due to bad weather, shipping agents told Reuters. Bad weather conditions in the port of Ceyhan were due to continue until the end of the Monday.

Reuters, 11:27 March 14, 2016

Iraq’s NOC Halts Pipeline Pumping Oil from Kirkuk to Turkey – Sources

Iraq’s state-run North Oil Company (NOC) stopped feeding a pipeline to Turkey with crude produced at fields it operates in the Kirkuk region three days ago, two sources said on Monday. The order to halt pumping through the pipeline was not due to a technical failure and came from the oil ministry in Baghdad, a company official said. North Oil is continuing to produce the crude, but storing it in Kirkuk instead of exporting it through the pipeline, he said. The company normally exports 150,000 b/d through the pipeline that carries the crude to the Turkish terminal of Ceyhan, passing through territory of the Kurdish regional government. A Kurdish government official confirmed the pipeline is not receiving crude from North Oil.

<http://www.reuters.com/article/us-iraq-oil-turkey-idUSKCN0WG0SG>

Sri Lanka Military to Guard Key Power Stations after Nationwide Electricity Outage March 13

Sri Lankan officials said on Monday that troops were being deployed to guard 100 key power transmission centers across the country after an 8-hour, nationwide power outage on Sunday. The most likely reason for Sunday's outage could be an explosion in a transformer although sabotage could not be ruled out, said the head of the state-owned utility board.

Reuters, 5:55 March 14, 2016

Energy Prices

U.S. Oil and Gas Prices			
March 14, 2016			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	37.15	37.85	44.83
NATURAL GAS Henry Hub \$/Million Btu	1.72	1.49	2.82

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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