



ENERGY ASSURANCE DAILY

Monday Evening, January 25, 2016

Major Developments

Major Snow Storm Knocks Out Power to Over 1 Million Customers across Eastern U.S. January 22–24

A high-impact winter storm in the Eastern U.S. began Friday, January 22, continuing into Saturday, January 23, knocking out power to 1,030,618 electric customers from Arkansas to Massachusetts at one point or another over the course of the storm. As of 3:30 p.m. EST, January 25, 8,239 customers remained without power. The storm brought a range of snow accumulation—including more than two feet in some areas—, blizzard conditions to parts of the mid-Atlantic, and coastal flooding. Duke Energy, the hardest-hit utility with 484,000 customers losing power at one point or another over the course of the storm, said it has had as many as 7,000 personnel in the field since Friday working to restore outages. The utility also added that isolated outages in the hardest-hit areas could linger through Monday. 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. Some of the values in the “Affected” column—those marked with a *—are peak outages, which indicate the highest number of outages reported at any single point in time over the storm. Peak outages are only included in the “Affected” column when the company did not report total affected customers.

East Coast Customer Power Outages			
January 22–25, 2016			
Electric Utility	State	Affected	Latest Reported
Entergy Arkansas	AR	12,400	110
First Electric Coop	AR	2,030*	0
Pepco	DC	1,100	48
DelMarVa Power	DE/MD	48,700	33
Delaware Electric Coop	DE	1,800*	20
Georgia Power	GA	115,000	213
Tri-County Electric Member Corporation	KY	800	9
LG&E and KU Energy	KY	650	32
Eversource	MA	1,140	49
BGE	MD	12,000	73
Pepco	MD	1,500	4
Duke Energy	NC/SC	484,000	3,594
Atlantic City Electric	NJ	130,000	493
Jersey Central Power and Light	NJ	129,000	324
PSEG	NJ	4,360	40
PSEG Long Island	NY	25,504	522
Met-Ed, West Penn Power	PA	3,330	215
PECO	PA	987	113
Dominion Power	VA	50,000	189
A&N Electric	VA	2,300*	0
Appalachian Power	VA/WV	3,687	2,138
MonPower	WV	330	20
TOTAL**		1,030,618	8,239

*Represent peak outages reported by utilities

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

Sources:

<https://twitter.com/EntergyArk>
<https://twitter.com/FirstElecCoop>
<http://www.delmarva.com/library/templates/Interior.aspx?Pageid=847&id=6442458518>
<https://twitter.com/DEEelectricCoop>
https://twitter.com/georgiapower?WT.svl=tw3&hp=bm_db_twitter
<https://www.facebook.com/Tri-County-Electric-Membership-Corporation-290236944358121/>
<http://stormcenter.lge-ku.com/default.html>
<https://www.eversource.com/Content/general/residential/outages/#>
<http://www.bge.com/Article%20Documents/BGE%20Restores%20Service%20after%20Winter%20Storm>
<http://news.duke-energy.com/releases/duke-energy-nears-goal-line-sunday-in-restoring-power-outages>
https://twitter.com/jcp_1
<https://twitter.com/PSEGdelivers/status/691312009359548418>
https://www.psegliny.com/page.cfm/AboutUs/PressReleases/2016/012316-1045?stop_mobi=yes
<http://outages.firstenergycorp.com/pa.html>
https://www.peco.com/_layouts/peco/OutageMap.aspx
<http://www.pepco.com/library/templates/Interior.aspx?Pageid=6442454157&id=6442458521>
<https://www.dom.com/residential/dominion-virginia-power/outage-center/outages-by-region-and-maps>
<https://twitter.com/AppalachianPowe>
https://www.firstenergycorp.com/newsroom/news_releases/firstenergy-media-advisory---winter-storm-update
<http://www.mymcmedia.org/hundreds-without-power-in-montgomery-county/>
<http://www.13newsnow.com/story/news/local/virginia/2016/01/23/dominion-power-responds-winter-weather>

PBF Restarting Its 190,000 b/d Delaware City, Delaware Refinery after Major Snow Storm, Power Outage January 23-24

PBF Energy’s 190,000 b/d Delaware City refinery was in the process of restarting on Sunday, after the East Coast blizzard caused a power outage at the facility over the weekend, the company said. According to a PBF spokesman, the refinery experienced a power failure in severe blizzard conditions on Saturday that resulted in flaring and a plant shutdown. The company’s community hot line said the refinery was in the process of being restarted at 6:40 p.m. EST on Saturday, with restarting continuing through Sunday. PBF’s Delaware City refinery, which accounts for about 15 percent of the East Coast’s total operable refining capacity, was the only refinery that reported storm-related impacts over the weekend. Reuters, 16:15 January 24, 2016.

Twelve States and D.C. Issue Emergency Declarations due to Major Snow Storm, Waive Truck Driver Hours of Service Regulations to Facilitate Delivery of Heating Fuels

Twelve states and the District of Columbia declared states of emergency, waiving Hours of Service (HOS) regulations for truck drivers delivering heating fuels and other essential services in areas impacted by the major snow storm, which hit over the weekend. Many of these emergency declarations were made on January 21, before the storm hit. Several states– including Virginia, West Virginia and North and South Carolina – specifically cited heating and transportation fuels in their emergency declarations. While many HOS waivers are anticipated to expire early this week, others are extended either into the beginning of February or until further notice is given.

State Emergency Declarations and Hours of Service (HOS) Waivers			
State	Fuels and/or Service Cited	Effective Dates	
		Start	End
Georgia	Essential public services	1/21/16	1/24/16
South Carolina	Transportation and other essential fuels	1/21/16	1/28/16
North Carolina	Gasoline and other essential fuels	1/21/16	2/20/16
Tennessee	Essential public services	1/21/16	1/27/16
Kentucky	None	1/22/16	Until Further Notice
West Virginia	Heating fuels and propane	1/21/16	1/26/16
Virginia	Heating fuels, motor fuels, and propane	1/21/16	2/4/16
Washington, D.C.	None	1/21/16	Until Further Notice
Maryland	Emergency response and restoration services	1/22/16	Until Further Notice
Delaware	Essential public services	1/23/16	Until Further Notice
Pennsylvania	None	1/21/16	Until Further Notice
New Jersey	Essential public services	1/22/16	Until Further Notice
New York	Propane, distillate, heating and transport fuels	1/22/16	1/29/16

Sources: [U.S. Department of Transportation](#), [National Propane Gas Association](#), Governors’ websites

U.S. Coast Guard Places Restrictions on East Coast Ports Due to Major Snow Storm

Over the weekend, blizzard warnings and watches were put into effect for several ports along the Atlantic coast. Two port sectors – Port Sector Baltimore and Port Sector Delaware Bay – remained open with more stringent restrictions on traffic in place. On January 21, the U.S. Coast Guard set port condition Whiskey for the Port of Philadelphia due to the approaching winter storm. The Captain of the Port (COTP) Sector Delaware Bay determined that the Ports of Philadelphia, Camden and Wilmington, would likely experience high winds, increased seas, and excessive tide variations. Under port condition Whiskey, all lightering and bunkering operations shall cease upon sustained winds reaching 40 mph, and all vessels shall have effective mooring and anchorage arrangements for the anticipated storm surge. Port Sector Baltimore established a temporary safety zone from January 23 through January 24.

<https://homeport.uscg.mil/mycg/portal/ep/home.do>
<http://www.uscgnews.com/go/doc/4007/2779106/>

Electricity

7.1-Magnitude Earthquake Shakes Kenai Peninsula, Knocks Out Power to Over 15,000 Customers in Alaska January 24

On January 24 at approximately 5:30 a.m. EST, an M 7.1 earthquake shook the Kenai Peninsula southwest of Anchorage, Alaska from its Cook Inlet epicenter, knocking out power to nearly 15,000 electric customers across the region. Homer Electric Association said that its Bernice Lake substation in Nikiski was offline early Sunday impacting 4,792 customers, that a circuit was out at its Kasilof substation impacting 642 customers, and that an additional 128 customers were also impacted near the Kenai airport. Matanuska Electric Association said that about 4,900 customers lost power after the earthquake impacted its Douglass and Hospital substations affecting portions of the Palmer and Wasilla areas. Chugach Electric Association said that about 4,600 customers were affected by outages near Lakes Otis and Latouche as well as the Klatt, Postmark, and Portage areas. Lastly, Anchorage Municipal Light & Power (MP&L) reported that 20 isolated distribution outages were affecting 159 customers in downtown Anchorage, and that an additional 200 customers were impacted in Fairview. Chugach Electric said crews worked throughout the night and that power was restored by Sunday morning. Anchorage MP&L said that majority of power was restored by Sunday afternoon with the exception of a few downtown retail stores at the mall on 5th Avenue. As of 3:30 p.m. EST, 15 Homer Electric customers near the Lilac Lane residential area and 1 Matanuska Electric customer were without service. Due to hazardous conditions, fire officials requested the 15 Home Electric meters remain de-energized over Sunday night after a natural gas leak caused explosions and fires in a residential area – read more in today's *Natural Gas* section.

Alaska Customer Power Outages			
January 24, 2016			
Electric Utility	State	Peak	Latest Reported
Homer Electric Association	AK	5,562	15
Matanuska Electric Association	AK	4,900	1
Chugach Electric Association	AK	4,600	0
Anchorage Municipal Power & Light	AK	359	0
TOTAL*		15,421	16

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

Sources:

http://earthquake.usgs.gov/earthquakes/eventpage/us10004gqp#general_summary

<http://www.homerelectric.com/>

<https://www.facebook.com/matanuska.electric>

<https://ebill.me.a.coop/woViewer/mapviewer.html?config=Outage+Web+Map>

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

http://www.chugachelectric.com/outage/outage_map.html

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

<http://www.reuters.com/article/us-quake-usa-alaska-idUSKCN0V20DX>

Power Restored to Over 14,000 Carroll Electric Customers after Substation Transmission Issues in Northwest Arkansas January 25

Carroll Electric reported power was restored to over 14,000 customers who lost power in Northwest Arkansas Monday morning. According to Carroll Electric, five substations were having transmission issues, which are downstream from an AEP substation in Avoca. Carroll Electric was able to reroute power from other substations to restore service to its impacted customers.

<http://www.outageentry.com/dvOSM4/dvOSM4.php?Client=CECAR&ServiceIndex=1>

<http://www.4029tv.com/news/more-than-18000-without-electricity-in-northwest-arkansas/37625716>

Dominion's 1,130 MW Millstone Nuclear Unit 3 in Connecticut Shut January 25

The unit shut from full power due to a reactor coolant pump trip.

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

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2016/20160125en.html>

Entergy's 813 MW FitzPatrick Nuclear Unit in New York Shut January 24

The unit shut from 65 percent due to lowering intake level.

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

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2016/20160125en.html>

Constellation's 825 MW Calvert Cliffs Nuclear Unit 1 in Maryland Shut January 25

The unit shut from 65 percent power due to elevated condenser sodium levels. The unit was operating at full power on January 23.

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

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2016/20160125en.html>

FirstEnergy's 1,235 MW Perry Nuclear Unit 1 in Ohio Shut January 24

The unit shut from 20 percent power to repair a piping system weld. The unit was operating at full power on January 23.

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

https://twitter.com/Perry_Plant

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2016/20160125en.html>

Exelon's 855 MW Quad Cities Nuclear Unit 1 in Illinois Reduced to 85 Percent by January 24

On the morning of January 23 the unit was operating at full power.

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

Abengoa's 275 MW Mojave Solar Unit in California Reduced by January 23

The unit entered an unplanned curtailment of 190 MW.

<http://content.aiso.com/unitstatus/data/unitstatus201601231515.html>

Colorado Springs Utilities Announces Its 46 MW Coal-Fired Drake Unit 5 to Close by 2017

The Colorado Springs Utilities board announced January 20 that unit 5 at its coal-fired Martin Drake Power Plant will close by the end of 2017 in order to avoid the high economic cost of continued operation and maintenance of the unit.

<https://www.csu.org/Pages/eirp-r.aspx>

<http://gazette.com/colorado-springs-utilities-board-decides-future-of-drakeunit/article/1568245>

Update: ExxonMobil Submits Second Proposal to Truck to Over 17 Million Gallons of Stranded Crude Oil from Storage in Santa Barbara, California; Ruptured Plains Line 901 Crude Pipeline Remains Offline Indefinitely

Santa Barbara County planners were expected to decide next week whether to grant ExxonMobil's second request to truck more than 17 million gallons of stranded crude oil from a storage site in coastal California after the Plains All American (PAA) Line 901 crude pipeline shut down in May 2015 following a rupture and leak. Near Santa Barbara, crude oil typically moves from ExxonMobil's three offshore platforms through the 10.6-mile PAA-owned pipeline system. Since the rupture, ExxonMobil has reduced its daily oil production by nearly two-thirds and stored its crude in tanks at its Santa Ynez Unit in Las Flores Canyon near U.S. Highway 101. In June of 2015 a Santa Barbara County official denied the company's initial proposal to use as many as eight, 6,720-gallon tanker trucks on as many as 192 daily trips along U.S. Highway 101 to transport oil from a facility near El Capitan State Beach to refineries as far away as San Luis Obispo County. In the second proposal filed this month, ExxonMobil said it has been determined the pipeline will be shut down for months, if not years, creating an unusual risk for the remaining oil. If approved, the company would run up to 30 truck trips per day for as long as six months to move the stranded crude. An Exxon Mobil spokesman said the company has provided the county with an extensive safety plan and similar trucking operations have been conducted by other operators in Santa Barbara County.

<http://finance.yahoo.com/news/oil-stranded-pipeline-break-could-002326210.html>

<https://www.countyofsb.org/asset.c/1400>

<https://www.oe.netl.doe.gov/docs/eads/ead061015.pdf>

Update: Coast Guard Says Mississippi River Re-Opened near Natchez, Mississippi January 25 after Barge Incident January 21

The Coast Guard on Monday said the Mississippi River was re-opened to all vessel traffic near Natchez, Mississippi after restrictions were put in place from mile marker 363 near Natchez to mile marker 438 near Vicksburg, following a barge allision incident on Thursday. Crews removed a total of more than 700,000 gallons of clarified oil from the damaged barge to two Magnolia Marine Transport barges, although more than 24,600 gallons of oil was still unaccounted for. The Coast Guard said response crews were scheduled to remove the damaged barge from the incident site on Monday morning.

<http://www.uscgnews.com/go/doc/4007/2779074/>

Coast Guard Responds to Jet Fuel Leak at Kinder Morgan's 1.4 Million Barrel South Hill Terminal in Chesapeake, Virginia January 22

The U.S. Coast Guard, along with federal, state and local agencies on Friday were responding to a leak of JP-1 jet fuel from a tank holding approximately 1.2 million gallons at Kinder Morgan's South Hill facility in Chesapeake. According to the Chesapeake Fire Dept., the leak was discovered around 7:00 a.m. EST and contained approximately 2 hours later. Officials say Friday's leak occurred when storage tank, Tank No. 6, was overfilled. Fuel is typically pumped into the tank through a pipeline, and the company was investigating why the leak occurred as well as the volume of fuel that was lost. Officials added that the overflowing fuel was contained to a berm surrounding the tank and a secondary retention pond. According to the U.S. Coast Guard, Approximately 126,000 gallons of leaking fuel was retained by an emergency containment system and was being removed by pumps and tank trucks. Kinder Morgan was using vacuum trucks to remove and transfer the fuel to a safe storage tank at the facility, and added that it was conducting air monitoring inside and outside the facility and in South Hill to ensure the area was safe.

<http://www.uscgnews.com/go/doc/4007/2778598/>

http://pilotonline.com/news/local/environment/jet-fuel-leak-from-large-tank-in-chesapeake-prompts-evacuations/article_de220fdf-7b27-590c-889b-ff7f26e88f5d.html

Motiva Reports Emissions at Its 603,000 b/d Port Arthur, Texas Refinery January 23

Motiva Enterprises reported excess emissions because of the loss of primary containment at its Port Arthur, Texas, refinery on Saturday, according to a filing with the Texas Commission on Environmental Quality. The refinery took measures to stop the loss of containment and to reduce emissions, the filing added.

Reuters, 21:1 January 24, 2016

Update: ExxonMobil Reports Unit Restart, Flaring to Continue at Its 344,600 b/d Beaumont, Texas Refinery January 24

ExxonMobil Corp on Friday said power had been restored and units were restarting at its Beaumont, Texas refinery after a power outage on Thursday. The company said flaring will continue over the course of the coming as part of the process for returning to normal operations. The company also said it anticipates contractual commitments will continue to be met.

Reuters, 22:23 January 24, 2016

Reuters, 16:01 January 22, 2016

Phillips 66 Reports Flaring Due to Shutdown at Its 120,200 b/d Rodeo, California Refinery January 22

Phillips 66 reported its refinery was conducting shutdown procedures which caused a flare releasing more than 500 pounds of sulfur dioxide.

Reuters, 18:39 January 22, 2016

Tesoro Completes Unplanned Maintenance at Its 104,500 b/d Wilmington Refinery in California January 23

Tesoro Corp. on Monday said it had completed unplanned maintenance over the weekend at the Wilmington portion of its refinery in Los Angeles, California. The refinery resumed normal operations on January 23, a spokesman said. The nature of the unplanned work remains unclear.

Reuters, 11:11 January 25, 2016

Natural Gas

Enstar Reports Natural Gas Distribution System Repairs Complete after 2 Explosions, 4 Fires following 7.1-Magnitude Earthquake near Kenai, Alaska January 24

Following the January 24, M 7.1 earthquake, which primarily impacted Kenai, AK, a strong odor of natural gas was detected by fire officials in a residential area on Lilac Lane after an initial fire was quickly extinguished. Over the course of the morning on Sunday, two Lilac Lane houses exploded as a result of the leaks, and two additional houses adjacent to the explosions caught fire, all of which were destroyed. Enstar Natural Gas shut off service to its distribution system to investigate the cause of the leaks and explosions, and to seek temporary solutions for other customers in adjacent areas that were unaffected by the incident. Enstar remained on scene Sunday evening to address any public concerns while its crews were making repairs necessary for restoring the distribution system. The company reported that repairs to its distribution system were completed by Sunday evening, although it was unclear on Monday whether the system was restarted. As noted in today's *Electricity* section, 15 Homer Electric Association meters remained offline overnight on Sunday as Kenai fire officials said hazardous conditions near Lilac Lane require the meters to remain de-energized.

<https://www.facebook.com/ENSTAR-Natural-Gas-Company-167311653374151/>

<http://www.ktuu.com/news/news/strong-earthquake-with-initial-magnitude-of-about-7-1-hits-south-alaska/37610068>

<http://www.alaskapublic.org/2016/01/25/kenai-quake-evacuees-return-to-homes-road-repairs-set-to-begin/>

Update: Destin Pipeline Removes Obstruction at Pascagoula Beach Valve Site in Mississippi January 22

Destin Pipeline Co LLC said on Friday it had removed an obstruction at its beach valve site in Pascagoula, Mississippi, that was hindering pigging operations on its 36-inch offshore segment. The pipeline company said it was developing plans to carry out an alternative operation last week when it had temporarily suspended work at its beach valve site after efforts to remove the obstruction were unsuccessful. Pigging operations are conducted to clear or inspect pipelines without stopping operations. The 225-mile pipeline system can carry 1.2 Bcf/d of gas from offshore Gulf of Mexico to the Pascagoula plant and then north to interconnections with six major interstate gas lines.

Reuters, 00:33 January 25, 2016

Dominion Reports Unplanned Maintenance Will Occur at Its Quantico Station in Virginia January 26

Dominion reported unplanned maintenance will occur at its Quantico Station on Tuesday. The company said meter-run 1 will be down for 4–5 hours for cleaning. Normal operations will resume shortly thereafter.

https://escript.dom.com/jsp/info_post.jsp?&company=dti#

DCP Midstream Reports Turbine Shut, Flaring at Its 160 MMcf/d Goldsmith Gas Plant in Texas January 23

DCP Midstream reported that during normal operations, turbine B shut due to high raw gas vibrations on probes 5 and 6, causing a flare event. The compressor was inspected for indications of damage and after the turbine was determined to be operational, the turbine was placed back online, ending the flare event.

<http://www2.tceq.texas.gov/oce/eer/index.cfm?fuseaction=main.getDetails&target=226477>

Regency Reports AGI Shut at Its 290 MMcf/d Waha Gas Plant in Texas January 23

Regency reports the acid gas injector (AGI) compressor was shut down due to an oil-related malfunction. Once maintenance was completed, the AGI compressor was reset and restarted.

<http://www2.tceq.texas.gov/oce/eer/index.cfm?fuseaction=main.getDetails&target=226475>

Other News

Nothing to report.

International News

Update: Fires Put Out at Libya's Ras Lanuf Oil Terminal after Ongoing Attacks January 24

Firefighters have put out fires started during an attack last Thursday by Islamic State militants at the major Libyan oil terminal of Ras Lanuf, a spokesman for guards at the terminal said on Sunday. At least five of the terminal's 13 tanks were damaged as a result of Thursday's attack, firefighters have said, adding that one of the tanks collapsed completely. A Petroleum Facilities Guard spokesman said authorities were still assessing the extent of the damage. The National Oil Corporation (NOC) has said it fears that up to 3 million barrels of oil could be lost and that the terminal, which has been shut since December 2014, faces an even longer closure after the damage.

Reuters, 6:07 January 24, 2016

Mexico Closes Gulf Oil Port as Cold Front Hits January 22

Mexico's Gulf port of Coatzacoalcos in the state of Veracruz was closed on Friday due to 51 mph winds spurred by a cold front, port authorities said on Friday. Almost all of Pemex's crude exports are shipped from the ports of Dos Bocas, Cayo Arcas, and Coatzacoalcos to Gulf coast refineries in the U.S. states of Texas and Louisiana.

Reuters, 14:20 January 22, 2016

Mexico's Pemex Reports Fire on Oil Platform, Output Not Affected January 23

Mexico's state-run oil company Pemex said on Saturday that a fire broke out in a machine room on a platform located in the company's top producing oilfield, but added that it would not affect production. Pemex said via Twitter that the Zaap E platform, part of the Ku Maloob Zaap field located in shallow waters at the southern edge of the Gulf of Mexico, was being installed at the time so was not operational. A spokesman for Pemex said that the incident would not affect production and the drilling platform was not estimated to start producing for around eight months. He said that there were no injuries and that 97 workers were evacuated. The field produces around 860,000 b/d of crude oil. The company added that the fire was under control and that there was no spill.

Reuters, 19:47 January 23, 2016

Energy Prices

U.S. Oil and Gas Prices			
January 25, 2016			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	29.28	28.42	45.87
NATURAL GAS Henry Hub \$/Million Btu	2.22	2.18	2.93

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.

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