



## Office of Energy Projects Energy Infrastructure Update *For January 2023*

### Natural Gas Highlights

- ANR Pipeline received authorization to place in service its Alberta XPress Project, which includes a new 15,900 HP compressor station that will add 165 MMcf/d of incremental mainline capacity on ANR's Southeast Mainline 501 and 501 Loop pipelines in Evangeline Parish, LA.
- Transco received authorization for its Regional Energy Access Expansion Project, including 36.1 miles of new pipeline and 82,789 HP of additional compression in Luzerne, Monroe, Chester, York, Bucks, and Northampton counties, PA, and Gloucester, Somerset, Mercer, and Middlesex Counties, NJ. The Project would enable Transco to provide an additional 829 MMcf/d of firm transportation service to meet incremental natural gas demand.
- West Texas Gas and West Texas Gas Utility received authorization to transfer three NGA Section 3 Authorizations and Presidential Permits from WTGI to WTGU, including the Del Rio, Eagle Pass (Reef), and Eagle Pass (Valero) border crossing facilities. The transfer of the facilities, located in Val Verde and Maverick Counties, TX, will not change the capacity or configuration of the existing facilities.
- Columbia Gas received authorization for its Line R300 Replacement Project in Lawrence County, OH, which includes replacing 1.2 miles of the R300 lateral and reducing the maximum allowable operating pressure from 200 to 125 psig. The project, required to meet PHMSA regulations, would not affect service to customers.
- National Fuel received authorization for its Line Z20 Modernization Project, including replacing 11.5 miles of 12" pipeline with 20" pipeline in Potter County, PA. The project would allow National Fuel to modernize aging infrastructure while providing up to 15 MMcf/d of firm transportation service for a customer.
- Columbia Gas received authorization for its Line D100 West ILI Make Piggable Project, which involves modifying the existing 20-inch Line D100 at various locations, installing two bi-directional launching and receiving stations for in-line inspection devices and other appurtenant facilities in Seneca, Sandusky, and Wood Counties, Ohio.
- Columbia Gas received authorization for its D420 ILI Make Piggable Project, which involves modifying Line D420 at various locations and installing three bi-directional launching and receiving stations for in-line inspection devices, and other appurtenant facilities in Sandusky, Ottawa, and Lucas Counties, OH.
- Columbia Gas received authorization for its Line 1360 Replacement Project, which includes replacing 2.8 miles of pipeline, existing valve assemblies, and related appurtenant activities in Beaver County, PA. The project would replace a pipeline section identified as vulnerable to corrosion.
- Columbia Gas received authorization for its Pavonia Counter Storage Project, which includes installing a 690 HP compressor and related storage pipelines at its Pavonia Storage Field in Ashland County, OH. The project would create counter storage pressure in order to mitigate in-field gas migration and increase recovery and utilization of the stored gas.
- Equitrans received authorization for its Swarts Natural Gas Storage Well Plugging and Abandonment Project in Greene County, PA. The project involves plugging and abandoning five wells instead of selling them to CONSOL which would then have plugged and abandon the wells.
- National fuel received authorization to abandon by sale its Corry Storage Field and the Carter Hill Compressor Station in Erie County, PA. KC Midstream, the purchaser of the Facilities and of most of the base gas, would operate the facilities as part of its non-jurisdictional gathering operations.
- Mountainwest Overthrust Pipeline requests authorization for its Solvay American Soda Delivery Project, including constructing 2.8 miles of lateral line, a delivery tap and a meter station in Sweetwater County, WY. The project would provide up to 47 MMcf/d of firm transportation service for an industrial user.
- Viking gas requests authorization for its Viking Project - Line MNB2204C in Polk County, MN and Grand Forks County, ND. The project would include construction of 14 miles of lateral lines, a new meter station, and relocation and upsizing of a meter, and allow Viking to provide up to 42 MMcf/d of firm transportation service to a new delivery point.
- Viking Gas requests authorization for its Viking Project - Line MNG11077B-100 which consists of installing a 2,500 HP compressor at its Angus Compressor Station in Polk County, MN, in order to provide up to 30 MMcf/d of firm transportation capacity for a customer in North Dakota.



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### Natural Gas Activity - January 2023

Status	No. of Projects	Storage Capacity (Bcf)	Deliverability (MMcf/d)	Capacity (MMcf/d)	Miles of Pipeline	Compression (HP)
<b>Pipeline</b>						
Placed in Service	1			165	0	15,900
Certificated	4			844	52	82,749
Proposed	3			119	17	2,500
<b>Storage</b>						
Placed in Service	0	0.0	0.0			0
Certificated	1	0.0	0.0			690
Proposed	0	0.0	0.0			0
<b>LNG (Import &amp; Export)</b>						
Placed in Service (Export)	0	0	0			0
Certificated (Import/Export)	0	0	0			0
Proposed (Import/Export)	0	0	0			0

Source: Staff Database

### Natural Gas Activities through January 31, 2023 **January 2022**

Status	No. of Projects	Storage Capacity (BCF)	Deliverability (MMcf/d)	Capacity (MMcf/d)	Miles of Pipeline	Compression (HP)
<b>Pipeline</b>						
Placed in Service through January 31, 2022	1 4			165.0 865	0.0 93	15,900 159,020
Certificated through January 31, 2022	4 3			844.4 600	51.6 1	82,749 3,200
<b>Storage</b>						
Placed in Service through January 31, 2022	0 0	0.0 0	0.0 0			0 0
Certificated through January 31, 2022	1 0	0.0 0	0.0 0			690 0
<b>LNG (Import &amp; Export)</b>						
Placed in Service (Export) through January 31, 2022	0 0	0.0 0	0.0 0			0 0
Certificated (Import/Export) through January 31, 2022	0 0	0.0 0	0.0 0			0 0

Source: Staff Database



## Office of Energy Projects Energy Infrastructure Update *For January 2023*

### Hydropower Highlights (nonfederal)

- Black Canyon Hydro, LLC, filed an application for an original license to construct and operate the proposed 972-MW Seminoe Pumped Storage Project No. 14787. The project would be located at Reclamation's Seminoe Reservoir on the North Platte River in Carbon County, WY
- The Public Utility District No. 1 of Douglas County, Washington was issued an order increasing the capacity of its Wells Project No. 2149 from 774.250 to 832.320 MW. The project is located on the Columbia River in Douglas, Okanogan, and Chelan Counties, WA.

#### Hydropower Project Activities in January 2023

Status	Conventional		Pumped Storage		Hydrokinetic		Total No. of Projects	Total Capacity (MW)
	No.	Capacity (MW)	No.	Capacity (MW)	No.	Capacity (MW)		
Filed								
License	0	0	1	972.000	0	0	1	972.000
10-MW Exemption	0	0	0	0	0	0	0	0
Capacity Amendment	0	0	0	0	0	0	0	0
Conduit Exemption	0	0	0	0	0	0	0	0
Issued								
License	0	0	0	0	0	0	0	0
10-MW Exemption	0	0	0	0	0	0	0	0
Capacity Amendment	1	58.070	0	0	0	0	1	58.070
Conduit Exemption	0	0	0	0	0	0	0	0
Placed in Service								
License	0	0	0	0	0	0	0	0
10-MW Exemption	0	0	0	0	0	0	0	0
Capacity Amendment	0	0	0	0	0	0	0	0
Conduit Exemption	0	0	0	0	0	0	0	0

Source: Staff Databases



## Office of Energy Projects Energy Infrastructure Update *For January 2023*

### Electric Generation Highlights

- Tampa Electric Co's 445.5 MW natural gas fueled Big Bend (FL) expansion in Hillsborough County, FL is online.
- Formosa Plastics Corp TX's 244.0 MW natural gas fueled Formosa Utility Venture Ltd Expansion in Calhoun County, TX is online.
- Mark One Generating LLC's 181.5 MW natural gas fueled Mark One Power Station & Storage Expansion in Brazoria County, TX is online.
- Tampa Electric Co's 48.0 MW natural gas fueled Bayside Power Station rerate in Hillsborough County, FL is online.
- Groton Fuel Cell I LLC's 7.4 MW Naval Sub Base New London Fuel Cell in New London County, CT is online. The power generated is sold to Connecticut Municipal Electric Energy Coop under long-term contract.
- Consumers Energy Co's 25.0 MW Ludington Hydroelectric rerate in Mason County, MI is online.
- DTE Electric Co's 24.0 MW Ludington Hydroelectric rerate in Mason County, MI is online.
- Portland General Electric Co's 18.0 MW Faraday Hydroelectric Expansion in Clackamas County, OR is online.
- Brazoria County Solar Project LLC's 203.2 MW Danciger Solar Project in Brazoria County, TX is online.
- Jackpot Holdings LLC's 120.0 MW Jackpot Solar Project in Twin Falls County, ID is online. The power generated is sold to Idaho Power Co under long-term contract.
- Cutlass Solar LLC's 101.8 MW Rowland Solar 1 & 2 Project in Fort Bend County, TX is online.
- MT Sun LLC's 80.0 MW MT Sun Project in Yellowstone County, MT is online. The power generated is sold to Northwest Energy Inc.
- Phobos Solar LLC's 80.0 MW Phobos Solar LLC in Nash County, NC is online. The power generated is sold to Duke Energy Progress under long-term contract.
- Florida Power & Light Co's 74.5 MW Bluefield Preserve Solar Energy Center in Saint Lucie County, FL is online.
- Cabin Creek Solar LLC's 70.2 MW Cabin Creek Solar LLC in Montgomery County, NC is online. The power generated is sold to Duke Energy Progress under long-term contract.
- UN School House LLC 20.0 MW Philipsburg Clarence Solar Project in Clearfield County, PA is online.
- Every Metro Inc's 10.0 MW Hawthorne (MO) Solar Expansion Project in Jackson County, MO is online.
- LR Wheatfield Solar 1 LLC's 6.4 MW Lockport Road Solar Project in Niagara County, NY is online.
- Canoe Brook Solar Partners LLC's 6.3 MW Canoe Brook Floating Solar Array in Essex County, NJ is online.
- North Park Solar LLC's 6.0 MW Schenectady County Solar Project in Schenectady County, NY is online.
- Brick Church Solar 1 West LLC's 5.4 MW 138 Brick Church Brunswick Solar Project in Rensselaer County, NY is online.
- 25 Mile Creek Windfarm LLC's 250.0 MW 25 Mile Creek Wind Farm in Ellis County, OK is online.
- Northern Wind Energy Redevelopment LLC's 100.0 MW Northern Wind Expansion Project in Murray County, MN is online.

### New Generation In-Service (New Build and Expansion)

	January 2023		January 2022	
Primary Fuel Type	No. of Units	Installed Capacity (MW)	No. of Units	Installed Capacity (MW)
Coal	0	0	0	0
Natural Gas	9	931	8	115
Nuclear	0	0	3	0
Oil	0	0	1	0
Water	4	67	5	7
Wind	2	350	11	2,497
Biomass	0	0	0	0
Geothermal Steam	0	0	0	0
Solar	29	813	34	970
Waste Heat	0	0	0	0
Other *	2	0	7	0
<b>Total</b>	<b>46</b>	<b>2,161</b>	<b>69</b>	<b>3,589</b>

**Sources:** Data derived from Velocity Suite, Hitachi Energy and The C Three Group LLC. The data may be subject to update.

\*"Other" includes purchased steam, tires, and miscellaneous technology such as batteries, fuel cells, energy storage, and fly wheel.



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### Total Available Installed Generating Capacity

	Installed Capacity (GW)	% of Total Capacity
Coal	217.73	17.19%
Natural Gas	557.90	44.04%
Nuclear	102.43	8.09%
Oil	37.93	2.99%
Water	101.49	8.01%
Wind	145.16	11.46%
Biomass	15.23	1.20%
Geothermal Steam	4.08	0.32%
Solar	82.71	6.53%
Waste Heat	1.29	0.10%
Other	0.81	0.06%
<b>Total</b>	<b>1,266.75</b>	<b>100.00%</b>

**Sources:** Data derived from Velocity Suite, Hitachi Energy and The C Three Group LLC. The data may be subject to update.

### Generation Capacity Additions and Retirements (February 2023 – January 2026)

From Hitachi Energy Velocity Suite's Generating Unit Capacity Dataset

	All Additions		High Probability Additions		Retirements	
Primary Fuel Type	No. of Units	Installed Capacity (MW)	No. of Units	Installed Capacity (MW)	No. of Units	Installed Capacity (MW)
Coal	0	0	0	0	64	26,506
Natural Gas	184	31,068	123	17,704	133	17,452
Nuclear	2	2,200	2	2,200	2	2,323
Oil	9	1,291	5	651	103	1,582
Water	160	12,371	48	780	16	43
Wind	309	68,278	100	17,474	18	43
Biomass	12	163	11	162	27	249
Geothermal Steam	7	145	1	37	10	35
Solar	2,993	214,617	869	78,795	0	0
Waste Heat	15	131	3	60	1	27
Other *	767	610	277	23	2	0
<b>Total</b>	<b>4,458</b>	<b>330,874</b>	<b>1,439</b>	<b>117,886</b>	<b>376</b>	<b>48,260</b>

**Sources:** Data derived from Velocity Suite, Hitachi Energy and The C Three Group LLC. The data may be subject to update.

\* "Other" includes purchased steam, tires, and miscellaneous technology such as batteries, fuel cells, energy storage, and fly wheel.

\*\* Under Constructions includes units that have started site preparation or construction. It also includes units that are in the testing phase.