



Office of Energy Projects Energy Infrastructure Update For February 2015

Natural Gas Highlights

- Regency Field Services received authorization to operate the existing Crescent Residue pipeline located in Logan County, OK as an interstate pipeline. This line will provide 40 MMcf/d of capacity from the Crescent processing plant to Southern Star Pipeline.
- Rockies Express received authorization to construct and operate its Zone 3 East-to-West Project which will provide 1,200 MMcf/d of bi-directional capacity on a portion of its mainline in OH, IN, and IL
- Tennessee Gas Pipeline received authorization to construct and operate its Niagara Expansion Project which will provide 158 MMcf/d of capacity from receipt points in PA to Niagara Falls, NY.
- National Fuel received authorization to construct and operate its Northern Access 2015 Project which will provide 140 MMcf/d of capacity to be leased to Tennessee Gas Pipeline in NY.
- Trailblazer received authorization to construct and operate its Niobrara Lateral Project which will provide 90 MMcf/d of capacity from a processing plant in Weld County, CO to Trailblazer and Rockies Express in Kimball County, NE.
- Carolina Gas received authorization to construct and operate its Edgemoor Compressor Station Project in Chester County, SC. This project will provide 45 MMcf/d of capacity.
- Columbia Gas requests authorization to construct and operate its Utica Access Project which would provide 205 MMcf/d of capacity from a new interconnection with Dominion to an interconnection with Columbia's existing Line X-52-M1, all located in Kanawha and Clay Counties, WV.
- Transco requests authorization to construct and operate its Garden State Expansion Project which would provide 180 MMcf/d of capacity from Transco's Station 210 in Mercer County, NJ to a new delivery point in Burlington County, NJ.
- East Tennessee requests authorization to construct and operate its Loudon Expansion Project. This project would provide 40 MMcf/d of capacity for Tate & Lyle's manufacturing facility in Loudon County, TN
- Rover Pipeline requests authorization to construct and operate its Rover Pipeline Project which would provide 3,250 MMcf/d of capacity from supply areas in WV, PA, and OH to an interconnection with Vector Pipeline in Livingston County, MI.
- Panhandle Eastern and Trunkline each request authorization to construct and operate their Panhandle and Trunkline Backhaul Projects, respectively. These projects would each provide 750 MMcf/d of east-to-west and north-to-south backhaul capacity from producing areas in OH and PA to markets in the Midwest and Gulf Coast.
- TETCO requests authorization to construct and operate its Gulf Markets Expansion Project which would provide 650 MMcf/d of capacity from producing areas in the Northeast to the Gulf Coast region of TX and LA.
- Cameron LNG commenced the Commission's pre-filing process to construct and operate liquefaction trains 4 and 5 at the Cameron's export terminal near Hackberry, LA. These trains would provide 1,410 MMcf/d of export deliverability.

Natural Gas Activities in February 2015

Status	No. of Projects	Storage Capacity (Bcf)	Deliverability (MMcf/d)	Capacity (MMcf/d)	Miles of Pipeline	Compression (HP)
Pipeline						
Placed in Service	0			0.0	0.0	0
Certificated	7			1,673.0	38.9	33,119
Proposed	10			5,950.0	767.8	421,471
Storage						
Placed in Service	1	0.7	53.0			0
Certificated	1	1.7	0.0			0
Proposed	0	0.0	0.0			0
LNG (Import & Export)						
Placed in Service	0	0	0			0
Certificated (Import/Export)	0	0	0			0
Proposed (Export)	1	3.33	1,410			0

Source: Staff Database



Office of Energy Projects Energy Infrastructure Update For February 2015

Natural Gas Activities through February 28, 2015 Through February 28, 2014

Status	No. of Projects	Storage Capacity (Bcf)	Deliverability (MMcf/d)	Capacity (MMcf/d)	Miles of Pipeline	Compression (HP)
Pipeline						
Placed in Service through February 28, 2014	1 1			100 225	0 7.7	9,470 0
Certificated through February 28, 2014	7 3			1,673 745	38.9 64.7	33,119 81,800
Storage						
Placed in Service through February 28, 2014	1 2	0.7 0.45	53 0			0 4,800
Certificated through February 28, 2014	1 0	1.7 0	0 0			0 0
LNG (Import & Export)						
Placed in Service through February 28, 2014	0 0	0 0	0 0			0 0
Certificated (Import/Export) through February 28, 2014	0 1	0 0	0 560			0 0

Source: Staff Database

Hydropower Highlights (nonfederal)

- Moriah Hydro Corporation filed an original license application for the proposed 240 MW Mineville Energy Storage Project No. 12635. The pumped storage project would be located in an abandoned subterranean mine complex in the town of Moriah, Essex County, NY.

Hydropower Project Activities in February 2015

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	240.000	0	0	1	240.000
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	0	0	0	0	0	0	0	0
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 Database



Office of Energy Projects Energy Infrastructure Update For February 2015

Hydropower Project Activities Year to Date (through February 28, 2015)

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	240.000	0	0	1	240.000
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	0	0	0	0	0	0	0	0
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 Database

Electric Generation Highlights

- US Department of Veterans Affairs' 5 MW natural gas-fired North Texas Health Care CHP Project in Dallas County, TX is online.
- ORNI 39 LLC's 45 MW McGinnis Hills Geothermal Phase 4 expansion Project in Lander County, NV is online. The power generated is sold to Nevada Power under long-term contract.
- Carroll Area Wind Farm LLC's 21 MW Carroll Area Wind Farm Project in Carroll County, IA is online. The power generated is sold to MidAmerican Energy Co. under long-term contract.
- OCI Alamo 3 LLC's 5.5 MW OCI Alamo 3 Solar Project in Bexar County, TX is online. The power generated is sold to CPS Energy under long-term contract.
- Citizen Solar has four solar projects that came online in Georgia: 1) 1.3 MW Cook County Farm in Cook County; 2) 1 MW Goosby Farm in Terrell County; 3) 1 MW Terrell County Industrial Park in Terrell County; and 4) 1.8 MW Taylor County Industrial Park in Taylor County.



Office of Energy Projects Energy Infrastructure Update For February 2015

New Generation In-Service (New Build and Expansion)

Primary Fuel Type	February 2015		January – February 2015 Cumulative		January – February 2014 Cumulative	
	No. of Units	Installed Capacity (MW)	No. of Units	Installed Capacity (MW)	No. of Units	Installed Capacity (MW)
Coal	0	0	0	0	0	0
Natural Gas	1	5	3	126	6	114
Nuclear	0	0	0	0	0	0
Oil	0	0	0	0	2	5
Water	0	0	0	0	1	4
Wind	1	21	5	450	13	384
Biomass	0	0	0	0	16	26
Geothermal Steam	1	45	1	45	3	30
Solar	8	16	13	68	44	437
Waste Heat	0	0	0	0	0	0
Other	0	0	0	0	2	1
Total	11	87	22	689	87	1,001

Sources: Data derived from Velocity Suite , ABB Inc., and The C Three Group LLC

Total Installed Operating Generating Capacity

	Installed Capacity (GW)	% of Total Capacity
Coal	326.36	27.81%
Natural Gas	494.16	42.12%
Nuclear	106.87	9.11%
Oil	45.95	3.92%
Water	100.01	8.52%
Wind	66.19	5.64%
Biomass	16.11	1.37%
Geothermal Steam	3.90	0.33%
Solar	11.91	1.02%
Waste Heat	1.13	0.10%
Other	0.75	0.06%
Total	1,173.35	100.00%

Sources: Data derived from Velocity Suite, ABB Inc., and The C Three Group LLC



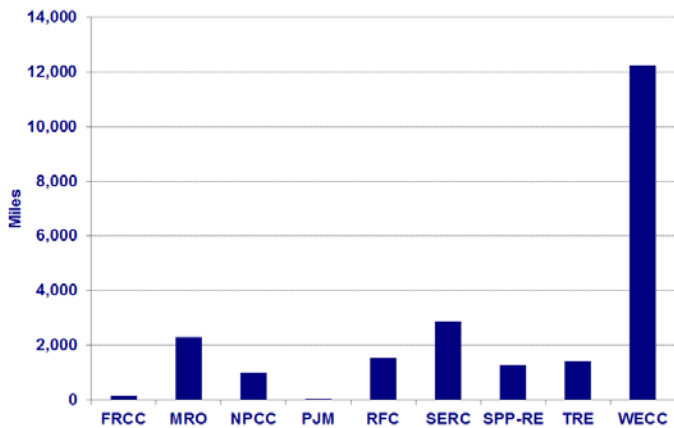
Office of Energy Projects Energy Infrastructure Update For February 2015

Electric Transmission Highlights

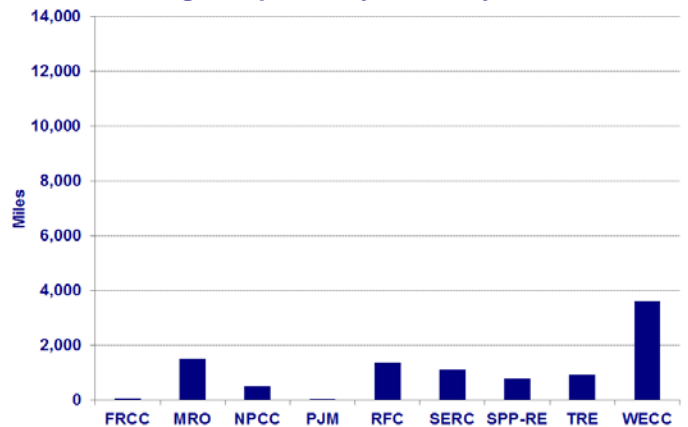
- CapX2020 has completed the 58.7 mile, 345 kV Lyon County – Brookings County Transmission Line, which is part of the Brookings County – Hampton Transmission Project. The interstate project connects SD and MN.

Voltage (kV)	Transmission Projects Completed				Proposed Transmission Projects In-Service by February 2017	
	February 2015	February 2014	January –February 2015 Cumulative	January – December 2014 Cumulative	High Probability of Completion	All
	Line Length (miles)					
≤230	0.0	0.0	0	641.6	4,079.7	7,499.2
345	58.7	0.0	58.7	1,527.8	3,325.1	5,946.8
500	0.0	0.0	0	62.0	2,515.3	9,403.6
Total U.S.	58.7	0.0	58.7	2,231.4	9,920.1	22,849.6

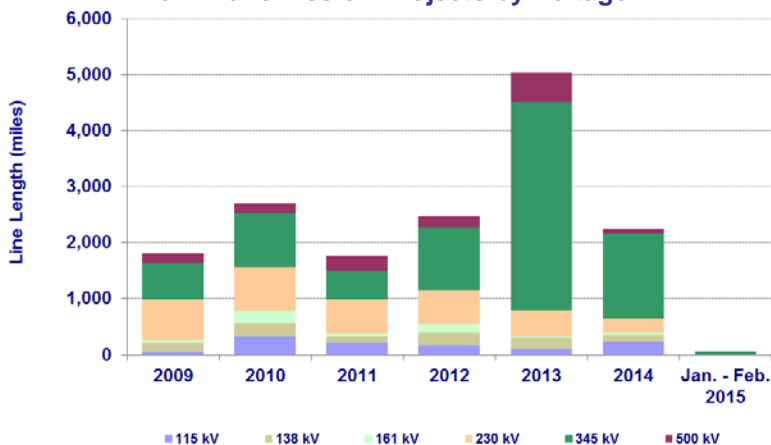
All Transmission Projects with a Proposed In-Service Date by February 2017



Transmission Projects with a High Probability of being completed by February 2017



New Transmission Projects by Voltage



Sources: Data derived from Staff Database and U.S. Electric Transmission Projects ©2015 The C Three Group, LLC
Disclaimer: This Report contains analyses, presentations and conclusions that may be based on or derived from the data sources cited, but do not necessarily reflect the positions or recommendations of the data providers.