



Office of Energy Projects Energy Infrastructure Update For January 2015

Natural Gas Highlights

- Equitrans placed into service its West Uprate and Blacksville Compressor Expansion Project. This project will provide uprated pressure on several of Equitrans's pipeline segments and provide 100 MMcf/d of capacity on its H-515 pipeline system near Sedalia, WV.
- Tennessee Gas requests authorization to construct and operate its Broad Run Expansion Project which would provide 200 MMcf/d of capacity for one shipper from WV, KY, and TN to markets in the southeastern U.S.
- Regency Field Services requests authorization to operate the existing Beaver Residue Line located in Beaver County, OK as an interstate pipeline which would provide 100 MMcf/d of capacity from the Beaver processing plant to an interconnection with Southern Star pipeline.
- Texas Eastern commenced the Commission's pre-filing process to construct and operate its Appalachian Lease Project which would provide 950 MMcf/d of capacity from production in the Appalachian Basin region to markets in the Midwest via a lease of the capacity to NEXUS Gas Transmission.
- Algonquin and Maritimes & Northeast commenced the Commission's pre-filing process to construct and operate its Atlantic Bridge Project which would provide 222 MMcf/d of capacity for six shippers from receipt points with Algonquin in Bergen County, NJ to markets in the Northeast.
- Enterprise withdrew its request to commence the Commission's pre-filing process to construct and operate its NMT Pipeline Project which would have provided 750 MMcf/d of capacity from a proposed processing plant in Eddy County, NM to an interconnection with existing pipelines at the Waha Hub in Pecos County, TX.

Natural Gas Activities in January 2015

Status	No. of Projects	Storage Capacity (Bcf)	Deliverability (MMcf/d)	Capacity (MMcf/d)	Miles of Pipeline	Compression (HP)
Pipeline						
Placed in Service	1			100.0	0.0	9,470
Certificated	0			0.0	0.0	0
Proposed	4			1,472.0	53.2	187,751
Storage						
Placed in Service	0	0.0	0.0			0
Certificated	0	0.0	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)	0	0	0			0

Source: Staff Database

Natural Gas Activities through January 31, 2015 Through January 31, 2014

Status	No. of Projects	Storage Capacity (Bcf)	Deliverability (MMcf/d)	Capacity (MMcf/d)	Miles of Pipeline	Compression (HP)
Pipeline						
Placed in Service through January 31, 2014	1 0			100 0	0 0	9,470 0
Certificated through January 31, 2014	0 0			0 0	0 0	0 0
Storage						
Placed in Service through January 31, 2014	0 2	0 0.45	0 0			0 4,800
Certificated through January 31, 2014	0 0	0 0	0 0			0 0



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Status	No. of Projects	Storage Capacity (Bcf)	Deliverability (MMcf/d)	Capacity (MMcf/d)	Miles of Pipeline	Compression (HP)
LNG (Import & Export)						
Placed in Service through January 31, 2014	0	0	0			0
Certificated (Import/Export) through January 31, 2014	0	0	0			0

Source: Staff Database

Hydropower Highlights (nonfederal)

There were no hydropower activities this month.

Electric Generation Highlights

- Basin Electric Power Cooperative's 90 MW natural gas-fired Lonesome Creek Station Phase II expansion project in McKenzie County, ND is online. Lonesome Creek now has a total capacity of 132 MW.
- ALLETE Inc.'s 204 MW Bison Wind Phase IV expansion project in Oliver County, ND is online. Bison Wind now has a total capacity of 496 MW, making it the largest wind farm in ND. The power generated is sold to Minnesota Power under long-term contract.
- Keechi Wind LLC's 110 MW Keechi Wind Farm project in Jack County, TX is online. The power generated is sold to Microsoft Corp. under long-term contract.
- Akuo Energy USA Inc.'s 95 MW Rocksprings Wind Farm in Val Verde County, TX is online.
- Four Mile Wind Energy LLC's 40 MW Four Mile Ridge Wind project in Garrett County, MD is online. The power generated is sold to Delmarva Power & Light Co. under long-term contract.
- Headwaters Wind Farm LLC's 200 MW Headwaters Wind Farm project in Rudolph County, IN is online. The power generated is sold to Indian Michigan Power Co. under long-term contract.
- Consolidated Edison Development Inc.'s 19.5 MW Oak Tree Energy Wind project in Clark County, SD is online. The power generated is sold to NorthWestern Energy South Dakota under long-term contract.
- BNB Texas Solar LLC's 32 MW Barilla Solar Phase II project in Pecos County, TX is online. Barilla Solar now has a total capacity of 50 MW.
- Dominion Resources Inc.'s 20 MW RE Kansas Solar project in Kings County, CA is online. The power generated is sold to Pacific Gas & Electric Co. under long-term contract.
- NJR Clean Energy Ventures' 10 MW Howell Solar project in Monmouth County, NJ is online.
- Forever 21 Clothing Co.'s 5 MW Forever 21 Solar project in Los Angeles County, CA is online. Forever 21 Solar is now the largest single-rooftop solar power system in Los Angeles County and the third-largest in California.



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New Generation In-Service (New Build and Expansion)

Primary Fuel Type	January 2015		January 2014	
	No. of Units	Installed Capacity (MW)	No. of Units	Installed Capacity (MW)
Coal	0	0	0	0
Natural Gas	2	90	0	0
Nuclear	0	0	0	0
Oil	0	0	0	0
Water	0	0	0	0
Wind	5	470	7	235
Biomass	0	0	9	13
Geothermal Steam	0	0	3	30
Solar	5	70	28	343
Waste Heat	0	0	0	0
Other	0	0	2	1

Sources: Data derived from Ventyx Global LLC, Velocity Suite and The C Three Group LLC

Total Installed Operating Generating Capacity

	Installed Capacity (GW)	% of Total Capacity
Coal	326.28	27.87%
Natural Gas	493.94	42.20%
Nuclear	106.87	9.13%
Oil	46.04	3.93%
Water	98.39	8.41%
Wind	65.66	5.61%
Biomass	16.10	1.38%
Geothermal Steam	3.87	0.33%
Solar	11.45	0.98%
Waste Heat	1.13	0.10%
Other	0.81	0.07%
Total	1,170.55	100.00%

Sources: Data derived from Ventyx Global LLC, Velocity Suite and The C Three Group LLC



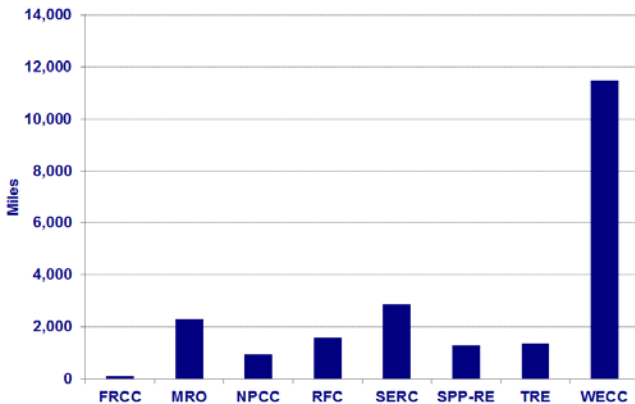
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Electric Transmission Highlights

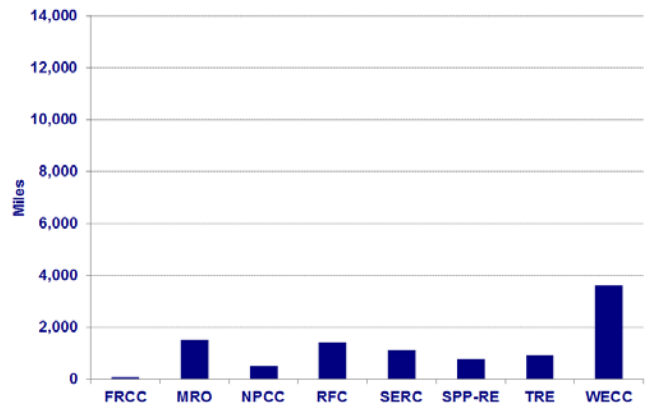
- The Bureau of Land Management issued a Record of Decision that approved SunZia’s application for a right-of-way across federally owned property. SunZia is a 500 kV interstate transmission line connecting NM and AZ. It will be approximately 500 miles long and is expected to be completed in 2020.
- Deepwater Wind is on track to be the first offshore windfarm in the United States. It is located 3 miles off of Block Island in RI. The 30 MW windfarm is expected to be completed in fall of 2016.

Voltage (kV)	Transmission Projects Completed			Proposed Transmission Projects In-Service by January 2017	
	January 2015	January 2014	January – December 2014 Cumulative	High Probability of Completion	All
	Line Length (miles)				
≤230	0.0	46.8	641.6	4,071.7	7,383.3
345	0.0	143.3	1,489.8	3,325.1	5,897.9
≥500	0.0	0.0	62.0	2,515.3	8,633.6
Total U.S.	0.0	190.1	2,193.4	9,912.1	21,914.8

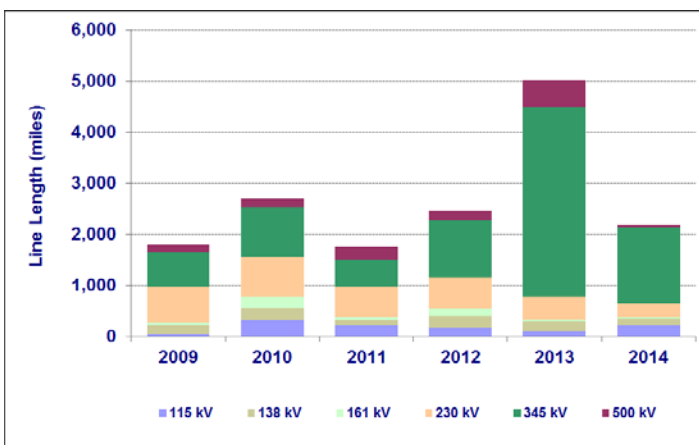
All Transmission Projects with a Proposed In-Service Date by January 2017



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



New Transmission Projects by Voltage



Sources: Data derived from Staff Database and U.S. Electric Transmission Projects ©2014 The C Three Group, LLC
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