



Office of Energy Projects Energy Infrastructure Update For April 2014

Natural Gas Highlights

- Cadeville Gas placed into service 0.6 Bcf of working gas at its existing storage facility in Ouachita County, LA.
- Equitrans received authorization to construct and operate its Jefferson Compression Expansion Project which will provide 600 MMcf/d of capacity on Equitrans' Sunrise system in PA for delivery to markets in the Northeast.
- Transco received authorization to construct and operate its Mobile Bay South Expansion III Project. This project will provide 225 MMcf/d of southbound capacity on its Mobile Bay Lateral located in AL.
- Bakken Hunter received authorization to construct and operate a border crossing facility for the import of 5 MMcf/d of natural gas at the international boundary between Canada and the United States in Divided County, ND.
- Magnolia LNG requests authorization to construct and operate an LNG export terminal (1.07 Bcf/d) at a proposed site near Lake Charles in Calcasieu Parish, LA.
- Transco commenced the Commission's pre-filing process to construct and operate its Dalton Expansion Project. This project will provide 448 MMcf/d of firm transportation capacity from NJ to new delivery points in GA.

Natural Gas Activities in April 2014

Status	No. of Projects	Storage Capacity (Bcf)	Deliverability (MMcf/d)	Capacity (MMcf/d)	Miles of Pipeline	Compression (HP)
Pipeline						
Placed in Service	1			0.0	25.0	15,050
Certificated	3			830.0	1.02	34,413
Proposed	2			498.0	109.5	21,830
Storage						
Placed in Service	1	0.6	0			0
Certificated	0	0.0	0			0
Proposed	0	0.0	0			0
LNG (Import & Export)						
Placed in Service	0	0	0			0
Certificated (Export)	0	0	0			0
Proposed (Export)	1	6.8	1,070			0

Source: Staff Database

Natural Gas Activities through April 30, 2014 Through April 30, 2013

Status	No. of Projects	Storage Capacity (Bcf)	Deliverability (MMcf/d)	Capacity (MMcf/d)	Miles of Pipeline	Compression (HP)
Pipeline						
Placed in Service through April 30, 2013	3 4			447.5 531.0	32.9 10.2	30,950 25,400
Certificated through April 30, 2013	10 11			1,939.4 2,411.7	97.6 78.0	130,393 61,550
Storage						
Placed in Service through April 30, 2013	4 3	3.55 24.1	110 1,020			4,800 9,500
Certificated Through April 30, 2013	1 6	0.6 24.9	0 765			0 9,240
LNG (Import & Export)						
Placed in Service through April 30, 2013	0 0	0 0	0 0			0 0
Certificated (Export) through April 30, 2013	1 0	0 0	560 0			0 0

Source: Staff Database



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Hydropower Highlights (nonfederal)

- Red River Hydro LLC was issued an original license for the proposed 78 MW Overton Lock and Dam Hydroelectric Project No. 13160. The project will be located at the U.S. Army Corps of Engineers' John H. Overton Lock and Dam on the Red River in Rapides Parish, LA.
- BOST3 Hydroelectric LLC was issued an original license for the proposed 36.2 MW Red River Lock and Dam No. 3 Hydroelectric Project No. 12756. The project will be located at the U.S. Army Corps of Engineers' Lock and Dam No. 3 on the Red River near the town of Colfax, in Natchitoches Parish, LA.
- Shelbyville Hydro LLC was issued an original license for the proposed 6.8 MW Lake Shelbyville Dam Hydroelectric Project No. 13011. The project will be located at the U.S. Army Corps of Engineers' Lake Shelbyville Dam on the Kaskaskia River in Shelby County, IL.
- BMB Enterprises, Inc. was issued an amendment to license for the Sixmile Creek Project No. 6764 that increased the project's installed capacity from 0.065 to 1.360 MW, for a total increase of 1.295 MW. The project is located on the Sixmile Creek in Sanpete County, UT.
- Rugraw LLC filed an original license application for the proposed 5 MW Lassen Lodge Hydroelectric Project No. 12496. The project would be located on the South Fork Battle Creek in Tehama County, CA.

Hydropower Activities in April 2014

Status	Conventional		Pumped Storage		Hydrokinetic		Total No. of Projects	Total Capacity (MW)
	No.	Capacity (MW)	No.	Capacity (MW)	No.	Capacity (MW)		
Filed								
License	1	5.000	0	0	0	0	1	5.000
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	3	121.000	0	0	0	0	3	121.000
10-MW Exemption	0	0	0	0	0	0	0	0
Capacity Amendment	1	1.295	0	0	0	0	1	1.295
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

Hydropower Activities Year to Date (through April 30, 2014)

Status	Conventional		Pumped Storage		Hydrokinetic		Total No. of Projects	Total Capacity (MW)
	No.	Capacity (MW)	No.	Capacity (MW)	No.	Capacity (MW)		
Filed								
License	11	153.00	0	0	0	0	11	153.00
10-MW Exemption	0	0	0	0	0	0	0	0
Capacity Amendment	0	0	0	0	0	0	0	0
Conduit Exemption	2	49.400	0	0	0	0	2	49.400
Issued								
License	4	121.75	0	0	1	0.600	5	122.350
10-MW Exemption	0	0	0	0	0	0	0	0
Capacity Amendment	1	1.295	0	0	0	0	1	1.295
Conduit Exemption	0	0	0	0	0	0	0	0



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Status	Conventional		Pumped Storage		Hydrokinetic		Total No. of Projects	Total Capacity (MW)
	No.	Capacity (MW)	No.	Capacity (MW)	No.	Capacity (MW)		
Placed in Service								
License	1	7.000	0	0	0	0	1	7.000
10-MW Exemption	1	0.700	0	0	0	0	1	0.700
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

- Florida Power & Light Co.'s 1,295 MW natural gas-fired Riviera Beach Next Generation Clean Energy Center project in Palm Beach County, FL is online. The high-efficiency power plant uses 33% less fuel than the retired units it replaced.
- Adobe Solar Company's 20 MW Adobe Solar project in Kern County, CA is online. The power generated is sold to Southern California Edison Co. under long-term contract.
- Westlands Solar Farms LLC's 18 MW Westlands Solar project in Fresno County, CA is online. The power generated is sold to Pacific Gas & Electric under long-term contract.
- Tulare PV 1 LLC's 3.5 MW ImModa Solar phase 1 project in Tulare County, CA is online. The power generated is sold to Southern California Edison Co. under long-term contract.
- Ameresco Forward LLC's 4.3 MW Ameresco Forward LFG Generating project in San Joaquin County, CA is online.
- Ameresco Vasco LLC's 4.3 MW Ameresco Vasco LFG Generating project in Alameda County, CA is online.
- State University of New York at Potsdam's 2.8 MW natural gas-fired SUNY Postdam Cogeneration project in St. Lawrence County, NY is online. The power generated is used on site at the campus.
- Oregon University System's 1.5 MW Oregon Institute of Technology Phase 3 Geothermal project in Klamath County, OR is online.
- Bannock County Public Works Department's 1.4 MW landfill gas-fired Fort Hall Mine Landfill project in Bannock County, ID is online. The power generated is sold to Idaho Power Co. under long-term contract.
- Dartmouth Solar LLC's 6.2 MW Dartmouth Solar project in Bristol County, MA is online.

New Generation In-Service (New Build and Expansion)

Primary Fuel Type	April 2014		January – April 2014 Cumulative		January – April 2013 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	3	1,298	5	1,388	15	1,663
Nuclear	0	0	0	0	0	0
Oil	0	0	0	0	2	4
Water	0	0	2	8	8	74
Wind	0	0	13	427	9	962
Biomass	5	10	12	20	35	112
Geothermal Steam	2	2	5	32	1	14
Solar	9	52	59	647	91	977
Waste Heat	0	0	2	1	1	36
Other	0	0	0	0	1	0
Total	19	1,361	98	2,522	163	3,841

Source: Data derived from Ventyx Global LLC, Velocity Suite.



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Total Installed Operating Generating Capacity

	Installed Capacity (GW)	% of Total Capacity
Coal	330.64	28.45%
Natural Gas	485.94	41.82%
Nuclear	107.32	9.24%
Oil	46.88	4.03%
Water	99.63	8.57%
Wind	61.18	5.26%
Biomass	15.88	1.37%
Geothermal Steam	3.87	0.33%
Solar	8.75	0.75%
Waste Heat	1.13	0.10%
Other	0.80	0.07%
Total	1,162.01	100.00%

Source: Data derived from Ventyx Global LLC, Velocity Suite.

Electric Transmission Highlights

- CapX2020 transmission completed the 55 mile, 345 kV Alexandria – Waite Park portion of the Fargo to St. Cloud project in MN.
- Salt River Project Agricultural Improvement and Power District completed the 113 mile Pinal West - Southeast Valley/Browning project. The project consists of 230 kV and 500 kV transmission lines in AZ.

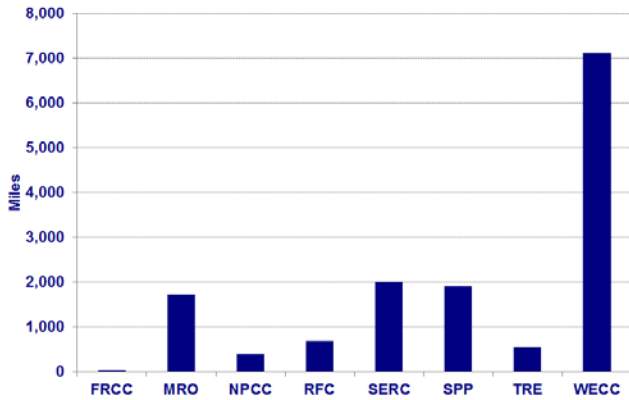
Voltage (kV)	Transmission Projects Completed				Proposed Transmission Projects In-Service by April 2016	
	April 2014	April 2013	January –April 2014 Cumulative	January – December 2013 Cumulative	High Probability of Completion	All
	Line Length (miles)					
≤230	53.0	10.0	59.0	363.4	1,068.5	4,330.1
345	55.0	64.5	201.1	2,757.2	2,334.9	4,676.2
500	60.0	0.0	60.0	466.0	1,341.7	5,412.8
Total U.S.	168.0	74.5	320.1	3,586.6	4,745.1	14,419.1

Sources: Data derived from Staff Database and North American Electric Transmission Projects ©2014 The C Three Group, LLC

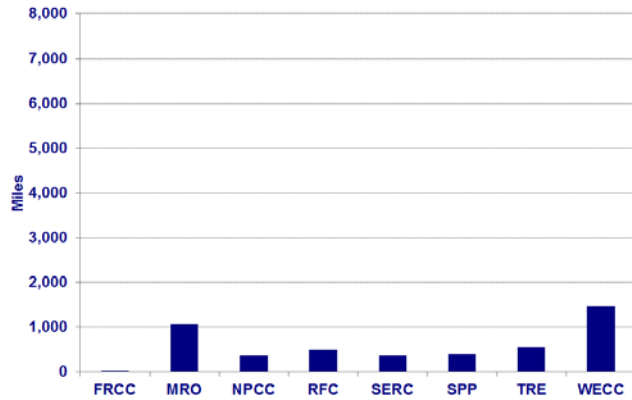


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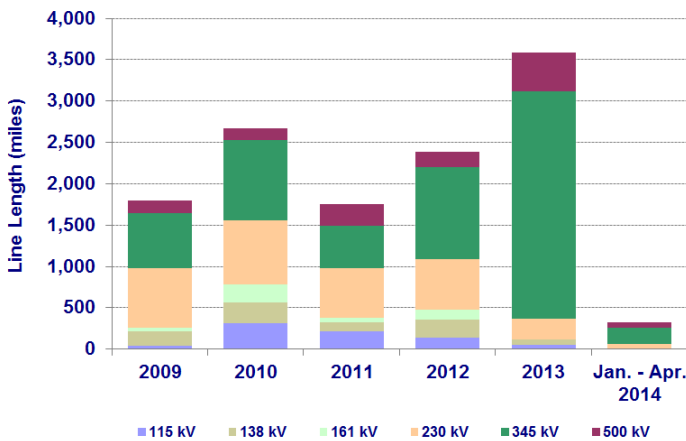
All Transmission Projects with a Proposed In-Service Date by April 2016



Transmission Projects with a High Probability of being completed by April 2016



New Transmission Projects by Voltage



Sources: Data derived from Staff Database and North American Electric Transmission Projects ©2014 The C Three Group, LLC
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