Office of Energy Projects
Energy Infrastructure Update
For April 2025

Natural Gas Highlights

- Columbia Gas received authorization to place in service its East Lateral Express Project, including 8 miles of pipeline, two compressors with 46,940 HP of compression, a meter station and related facilities in St. Mary, Lafourche, Jefferson, and Plaquemine Parishes, LA. The project will add 183 MMcf/d of incremental transportation capacity from Columbia Gulf's East Lateral to a delivery point with Gator Express.
- East Tennessee Natural Gas requests authorization for its Ridgeline Expansion Project in Trousdale, Smith, Jackson, Putnam, Overton, Fentress, Morgan and Roane Counties, TN. The project, which includes 122 miles of new line and 29,880 HP of compression, would provide up to 395 MMcf/d of transportation service to a powerplant.
- Colorado Interstate Gas received authorization to abandon by sale to an affiliate its 100 miles Powder River Lateral in Albany and Converse Counties, WY. After the sale the line will be converted to NLGs transportation. The project does not impact service to customers.
- Texas Gas received authorization for its Eunice Reliability and Lake Charles Supply Project, including replacing two compressors at its Eunice CS in Acadia Parish, LA, with two new compressors with a combined 15,359 HP, and installing and upgrading other facilities at the Eunice CS and at its Woodlawn Junction in Jefferson Parish, LA. The project would add 120 MMcf/d of new transportation capacity into the Lake Charles, LA area which Texas Gas would then abandon by lease to Gulf South.
- Cimarron River Pipeline received authorization to abandon by sale to its affiliate, DCP Operating Company, 450 miles of gathering facilities in TX, OK, and KS, and a finding that the facilities are non-jurisdictional.
- Venice Gathering received authorization for its Venice Gathering System Abandonment Project, which involves abandoning in place its Venice Gathering System located Offshore LA and in Plaquemines Parish, LA. The system has been inactive for over 3-years.
- NGO Transmission's request to abandon the certificate authorizations for its pipeline and storage facilities in Ohio was denied on the basis that the facilities do not directly serve end-users in a manner consistent with local distribution facilities.
- WBI Energy received authorization for its Minot Expansion Project, including uprating and replacing a total of 9.2 miles of pipeline, installing a new valve setting and replacing another one, and replacing a farm tap, all in Morton County, NM, in order to provide up to 7 MMcf/d of firm transportation capacity for a utility customer.
- Columbia Gas received authorization to abandon injection/withdrawal Wells 7527 and 7536, and related facilities at its Terra Alta South Storage Field in Preston County, WV. The project would limit integrity risk in alignment with PHMSA's Storage Final Rule and would not impact service to customers.
- Columbia Gas received authorization to abandon injection/withdrawal Well 7423 and related facilities at its Terra Alta South Storage Field in Preston County, WV. The project would limit integrity risk in alignment with PHMSA's Storage Final Rule and reduce risk of customer gas being lost due to deteriorating subsurface conditions.
- Columbia Gas received authorization to abandon injection/withdrawal Well 7514 and related facilities at its Holmes Storage Field in Holmes County, OH. The project would limit integrity risk in alignment with PHMSA's Storage Final Rule and reduce risk of customer gas being lost due to deteriorating subsurface conditions.
- National Fuel received authorization to plug and abandon Well 2430 and the associated well line at its Wellendorf Storage Field in McKean County, PA. The well contains localized corrosion and the abandonment would not impact service to customers.
- Columbia Gas received authorization to abandon injection/withdrawal Well 7297 and related facilities at its Ripley Storage Field in Jackson County, WV. The project would limit integrity risk in alignment with PHMSA's Storage Final Rule and would not impact service to customers.
- Southern Star Central received authorization to plug and abandon pressure recovery Well No. 214 at its Webb Storage Field in Grant County, OK. The project is in accord with Southern Star's implementation of PHMSA regulations and would not impact service to customers.
- Northwest Pipeline requests authorization for its Kemmerer Horsepower Replacement Project, including abandoning in place five vintage compressors at its Kemmerer Compressor Station in Lincoln, WY, and installing a new 13,220 HP compressor. The project would enhance reliability and reduce NOx and methane emissions.
- Great Basin requests authorization for its 2026 Expansion Project which includes construction of 4.67 miles of new line in order to increase firm transportation for two shippers on its Carlson, North Tahoe and South Tahoe Laterals in Douglas, Lyon and Washoe Counties, NV.
- Gulf South requests authorization for its Southeast Compression Utility and Reliability Expansion Project, including installing new compressors at three existing compressor stations and constructing a new compressor station, all in

Madison Parish, LA and Jasper, Forrest, and Hinds County, MS. The project would add 85,631 HP of compression and provide up to 280 MMcf/d of firm transportation service for customers in the southeast.

- Northwest Pipeline requests a certificate approving modifications performed in connection to a previously authorized project near Boise, ID. Specifically, the company seeks retroactive certification for 0.255 miles of replacement pipe that were removed by error and replaced under emergency transactions.
- Texas Eastern requests authorization for its Longwall Mining Panel M1 Project in Green County, PA, including replacing a total of 5.2 miles of pipeline segments on four separate lines in order to accommodate longwall mining activities.
- Magnum Gas Storage requests a certificate amendment authorizing construction of two additional caverns in Millard, Jab, and Utah Counties, UT. The current certificate authorizes two caverns with 10.5 Bcf of working capacity each. The amended project would have four caverns with 5.2 Bcf of capacity each, so there would be no change to the already authorized total capacity of the project.
- Golden Pass LNG requests authorization to amend its certificate in order to construct a 1.1 miles pipeline lateral within its LNG terminal. The project would provide supply diversification by connecting to the Trident Interstate and Kinder Morgan Louisiana Pipelines.
- Alaska Gasline requests authorization to transfer the authorization for its LNG project to 8 Star Alaska. The transfer is needed to meet state ownership regulations and move forward with the project.
- Distrigas of Massachusetts request an amendment to the Section 3 authorization for its LNG import terminal in Everett, MA, so it may incorporate equipment and controls that would allow it to install a redundant BOG compressor. The project would minimize excess boil-off gas venting and provide redundancy.

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Natural Gas Activity - April 2025

Status	No. of Projects	Storage Capacity (Bcf)	Deliverability (MMcf/d)	Capacity (MMcf/d)	Miles of Pipeline	Compression (HP)
Pipeline						
Placed in Service	1			183	8	46,940
Certificated	3			522	131	45,239
Proposed	5			288	10	98,851
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 (Export)	0	0.0	0.0			0
Certificated (Import/Export)	0	0.0	0.0			0
Proposed (Import/Export)	1	260.0	1.1			0

Source: FERC E-Library

Natural Gas Activities through April 30, 2025
January through April 30, 2024

Status	No. of Projects	Storage Capacity (BCF)	Deliverability (MMcf/d)	Capacity (MMcf/d)	Miles of Pipeline	Compression (HP)
Pipeline						
Placed in Service	5			976.0	15.5	183,810
through April 30, 2024	7			2715.0	99.4	75,029
Certificated	13			911.0	151.8	63,291
through April 30, 2024	16			3937.9	74.0	88,475
Storage						
Placed in Service	0	0.0	0.0			0
through April 30, 2024	1	0.0	0.0			9,000
Certificated	2	33.9	1050.0			33,500
through April 30, 2024	2	0.0	105.0			0
LNG (Import & Export)						
Placed in Service (Export)	1	0.0	0.0			0
through April 30, 2024	0	0.0	0.0			0
Certificated (Import/Export)	2	0.0	919.0			0
through April 30, 2024	0	0.0	0.0			0

Source: FERC E-Library

Hydropower Highlights (nonfederal)

- NorthWestern Corporation filed an application to increase the capacity of its Missouri-Madison Project No. 2188 from 319.050 to 320.010 MW. The project is located on the Missouri and Madison Rivers in Cascade, Gallatin, and Lewis and Clark Counties, MT.
- Georgia Power Company was issued an order increasing the capacity of its Middle Chattahoochee Project No. 2177 from 130.100 to 130.200 MW. The project is located on the Chattahoochee River in Harris and Muscogee Counties, GA, and Lee and Russel Counties, AL.

Hydropower Project Activities April 2025

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	0	0	0	0	0	0
10-MW Exemption	0	0	0	0	0	0	0	0
Capacity Amendment	1	0.960	0	0	0	0	1	0.960
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	0.100	0	0	0	0	1	0.100
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

Hydropower Project Activities Year to Date (through April 30, 2025)

Status	Conventional		Pumped Storage		Hydrokinetic		Total No. of Projects	Total Capacity (MW)
	No.	Capacity (MW)	No.	Capacity (MW)	No.	Capacity (MW)		
Filed								
License	2	29.296	1	400.000	0	0	3	429.296
10-MW Exemption	0	0	0	0	0	0	0	0
Capacity Amendment	4	12.260	0	0	0	0	4	12.260
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	0.100	0	0	0	0	1	0.100
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: FERC E-Library

Electric Generation Highlights

- Shamrock Wind LLC (TX)'s 223.9 MW Shamrock Wind & Storage Project in Crockett County, TX is online.
- Tampa Electric Co's 192.9 MW natural gas-powered Polk Station Expansion in Polk County, FL is online.
- Basin Electric Power Coop's 112.8 MW natural gas-powered Pioneer Generation Station Expansion in Williams County, ND is online.
- RED Rochester LLC's 42.0 MW natural gas-powered Kodak Park Expansion Site in Monroe County, NY is online.
- Hornet Solar LLC (TX)'s 602.4 MW Hornet Solar (TX) Project in Swisher County, TX is online. The power generated is sold to Brunswick Corp under long-term contract.
- Harquahala Sun 2 LLC's 300.0 MW Harquahala Sun 2 Project in Maricopa County, AZ is online.
- Long Lake Solar LLC's 200.0 MW Long Lake Solar Project in Phillips County, AR is online.
- Pleasant Valley Solar LLC's 200.0 MW Pleasant Valley Solar Project in Ada County, ID is online. The power generated is sold to Idaho Power Co under long-term contract.
- Serrano Solar LLC's 170.0 MW Serrano Solar Project in Pima County, AZ is online.
- Copia Power's 150.0 MW Harquahala Sun Photovoltaic Solar Energy Generation & Storage Project in Maricopa County, AZ is online.
- Powell Creek Solar LLC's 150.0 MW Powell Creek Solar Project in Putnam County, OH is online.
- Swift Air Solar LLC's 146.5 MW Swift Air Solar Project in Ector County, TX is online.
- DTE Electric Co's 80.0 MW Pine River Solar Park in Gratiot County, MI is online.
- Babcock & Brown's 72.0 MW Chaparral Solar Expansion Project in Kern County, CA is online. The power generated is sold to Peninsula Clean Energy Authority under long-term contract.
- Avangrid Renewables LLC's 44.0 MW Camino Solar Project in Kern County, CA is online.
- River Trail Solar LLC's 20.0 MW River Trail Solar Project in Carroll County, VA is online.
- Foul Rift Solar Farm LLC's 19.8 MW Foul Rift Solar Farm in Warren County, NJ is online.
- Sunny Rock Solar LLC's 19.5 MW Sunny Rock Project in Henry County, VA is online.
- Texas Bluebonnet Solar Partners LLC's 9.8 MW Texas Bluebonnet Solar Project in Mclennan County, TX is online.
- Anacott Solar LLC's 7.4 MW Anacott Solar Project in Montgomery County, IL is online.
- Goldenrod Solar LLC's 7.4 MW Goldenrod Solar Project in Mercer County, IL is online.
- Wisconsin Electric Power Co's 6.0 MW Caledonia Solar WI Project in Racine County, WI is online.
- Monongahela Power Co. 5.8 MW Marlowe Solar Project in Hancock County, WV is online.
- Onsite Partners ITC Transfer Co LLC's 5.5 MW Kent State University Solar & Battery Project in Portage County, OH is online. The power generated is sold to FirstEnergy Corp under long-term contract.
- SL Fredonia LLC's 5.0 NY Fredonia 9824 Route 60 Solar Project in Chautauqua County, NY is online. The power generated is sold to National Grid Generation LLC under long-term contract.

New Generation In-Service (New Build and Expansion)

	April 2025		January – April 2025 Cumulative		January – April 2024 Cumulative	
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	0	0
Natural Gas	9	348	16	511	14	164
Nuclear	0	0	0	0	4	1,100
Oil	1	3	5	14	8	11
Water	0	0	0	0	1	1
Wind	0	0	11	2,183	11	1,819
Biomass	0	0	0	0	3	5
Geothermal Steam	0	0	0	0	0	0
Solar	50	2,284	229	9,451	230	8,129
Waste Heat	0	0	0	0	1	3
Other *	13	0	52	0	47	0
Total	73	2,635	313	12,159	319	11,232

Sources: Data derived from Velocity Suite, Hitachi Energy and Yes Energy. 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.

Total Available Installed Generating Capacity

	Installed Capacity (GW)	% of Total Capacity
Coal	198.52	14.93%
Natural Gas	565.48	42.52%
Nuclear	104.39	7.85%
Oil	36.29	2.73%
Water	101.88	7.66%
Wind	156.64	11.78%
Biomass	14.34	1.08%
Geothermal Steam	4.20	0.32%
Solar	146.03	10.98%
Waste Heat	1.31	0.10%
Other	0.84	0.06%
Total	1,329.92	100.00%

Sources: Data derived from Velocity Suite, Hitachi Energy and Yes Energy. The data may be subject to update.

Generation Capacity Additions and Retirements
(May 2025 – April 2028)
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	1	35	0	0	61	24,373
Natural Gas	270	40,568	159	19,480	116	13,750
Nuclear	0	0	0	0	0	0
Oil	12	708	9	48	43	1,963
Water	122	9,107	57	631	17	35
Wind	242	69,712	82	22,975	14	182
Biomass	36	290	14	128	20	251
Geothermal Steam	12	202	2	92	0	0
Solar	3,061	224,443	1,005	90,175	13	17
Waste Heat	15	103	2	29	0	0
Other *	969	6	382	1	5	0
Total	4,740	345,174	1,712	133,559	289	40,571

Sources: Data derived from Velocity Suite, Hitachi Energy and Yes Energy. 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.

Electric Transmission Highlights

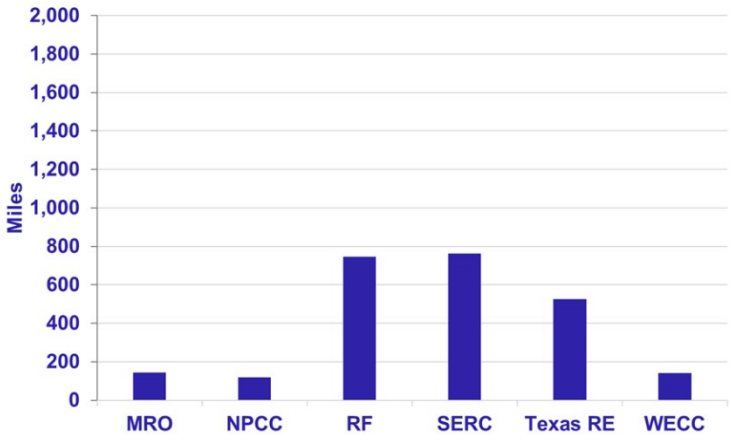
- Entergy Louisiana (ELL) has completed the 1.8 mi, 500 kV Wise - Bayou Labutte Transmission Project in LA.

	Transmission Projects Completed				Proposed Transmission Projects In-Service by September 2027	
Voltage (kV)	April 2025	April 2024	January – April 2025 Cumulative	January – December 2024 Cumulative	High Probability of Completion	All
	Line Length (miles)					
≤230	0.0	35.2	10.9	784.8	1,212.6	1,570.7
345	0.0	0	49.8	334.5	999.1	1,173.1
500	1.8	2	1.8	554	145.0	265.0
Total U.S.	1.8	37.2	62.5	1,673.3	2,356.7	3,008.8

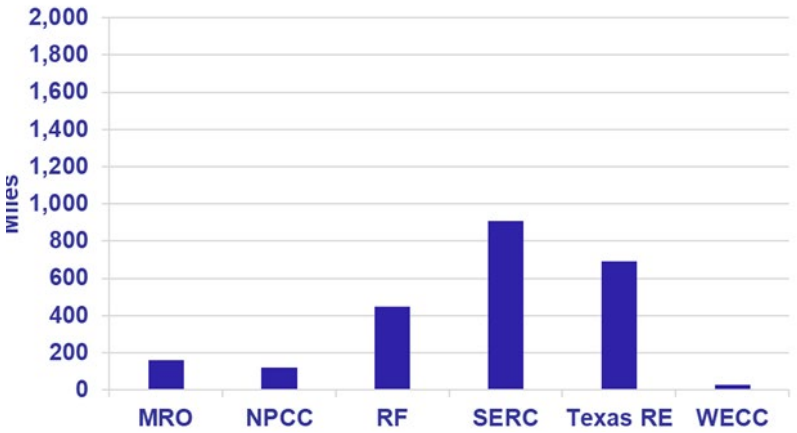
Sources: North American Electric Reliability Corporation (NERC) Electricity Supply & Demand (ES&D) and U.S. Electric Transmission Projects © Yes Energy The C Three Group, LLC.

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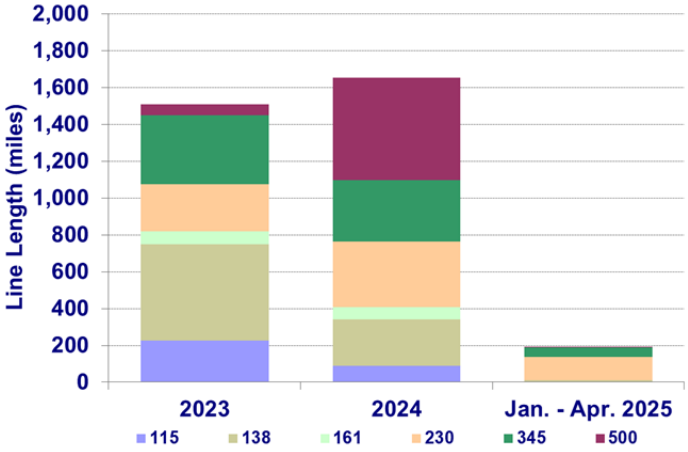
All Transmission Projects with a Proposed In-Service Date by September 2027



Transmission Projects with a High Probability of being completed by September 2027



New Transmission Projects by Voltage



Sources: North American Electric Reliability Corporation (NERC) Electricity Supply & Demand (ES&D) and U.S. Electric Transmission Projects © Yes Energy The C Three Group, LLC.

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