Office of Energy Projects
Energy Infrastructure Update
For December 2024

Natural Gas Highlights

- GTN received authorization to place in service all remaining facilities for its GTN Express Project, including those at the Starbuck CS in Walla Wall County, WA. The project had received partial in-service authorization in July 2024, and can now operate at its full 150 MMcf/d capacity.
- Texas Eastern received authorization to place in-service its Venice Lateral Project, including a 3-mile pipeline, a compressor station and two compressors with a total of 63,800 HP. The project, in Pointe Coupe, Iberville, Lafourche and Plaquemines Parishes, LA, reverses flow on a portion of Line 40 and enables Texas Eastern to provide up to 1.3 Bcf/d of firm transportation service to an interconnect with Venture Global Gator Express.
- BBT AlaTenn received authorization for its AlaTenn Pride Loop Project, including construction of a 0.7 pipeline loop in Colbert County, AL. Together with the acquisition and integration of a Hinshaw pipeline, this project would allow BBT to enhance operational flexibility and provide access to additional supplies.
- Florida Gas received authorization for its Southeast Alabama Project, including making modifications at a compressor station in Santa Rosa County, FL. The project would not increase certificated compression but would increase firm capacity by 10 MMcf/d between receipt points in MS and AL, to a delivery point in Escambia County, AL.
- Coronado Midstream was granted a blanket certificate of public convenience and necessity for its jurisdictional residue lines in Martin and Andrews Counties, TX.
- NGPL received authorization for its Delaware Basin North Project, which consists of replacing an old compressor with a new compressor that would add 1,500 HP of new compression in order to provide 50 MMcf/d of additional firm capacity for two customers.
- Florida Gas received authorization for its Auburndale Lateral MAOP Reduction Project in Polk County, FL. The MAOP reduction, from 975 to 721 psig, would not affect customers and would allow FGT to maintain compliance with PHMSA regulations.
- Florida Gas received authorization for its Tampa South Lateral MAOP Reduction Project in Hillsborough County, FL. The MAOP reduction, from 975 to 888 psig, would not affect customers and would allow FGT to maintain compliance with PHMSA regulations.
- Hess Tioga Gas Plant received authorization to operate the 60-mile North Dakota Natural Gas Pipeline in Williams and McKenzie Counties, ND, as a jurisdictional line. The line connects the plant to Northern Border Pipeline.
- Gulf South received authorization to abandon in place three compressor units and remove aboveground piping and other appurtenances at its Sterlington Compressor Station in Ouachita Parish, LA. These units are no longer needed to provide service for customers.
- NGPL received authorization to abandon compressors 1-3 at its Compressor Station 342 in Cameron Parish, LA. These old units are not needed to provide service to customers.
- Greylock Pipeline requests authorization to abandon its limited jurisdiction certificate for its Line 8000 System in West Virginia. Greylock is selling the line to Oak Midstream, which is requesting a limited jurisdiction certificate to operate the line.
- Texas Eastern requests authorization for its Cove Mountain Road Crossing Replacement Project, which includes replacing a total of 2.14 miles on segments of its lines 12, 19 and 27 in Blair County, PA. The project would not add new capacity and would address changes in DOT's pipeline class location.
- Eastern Gas Transmission and Storage requests authorization for its Capital Area Project, which includes installing 22,240 HP of new compression at three existing compressor stations in Centre and Franklin Counties, PA and Loudon County, VA, and related upgrades in Clinton County, PA. The project would provide up to 67.5 MMcf/d of transportation service for Washington Gas.
- Florida Gas requests authorization for its South Central Louisiana Project, including uprating one compressor and rewheeling three others at CS 7.5, and installing a 15,900 compressor at CS 8 in Landry and Baton Rouge Parishes, LA, respectively. The project would provide up to 75 MMcf/d of transportation capacity to power generators and LDCs in the Southeast.
- Transwestern Pipeline requests authorization for its WT-0 Compressor Station Project, in Chavez County, NM. The project includes construction of a new compressor station with a 13,220 HP compressor and related facilities that would allow it to provide up to 80 MMcf/d of transportation capacity for a customer.
- Florida Gas requests authorization for its Hillsborough County Project, including constructing a total of 1.3 miles of looping line and related facilities in Hillsborough County, FL. The project would provide up to 5 MMcf/d of transportation capacity for various customers.

- Florida Gas requests authorization to abandon in place its 8.4-mile Panama City Lateral Line in Bay County, FL, and to preserve and maintain the line for possible future use. The line currently has no customers.
- Columbia Gas Transmission requests authorization for its Benton Wells Abandonment Project, which consists of abandoning three injection/withdrawal wells at its Benton Storage Field in Hocking and Vinton Counties, OH, in order to limit risk in alignment with PHMSA's Storage Final Rule.
- Columbia Gas requests authorization for its 2025 Guernsey Well 7908 Abandonment Project, which consists of abandoning one injection/withdrawal well at its Guernsey Storage Field in Guernsey County, OH, in order to limit risk in alignment with PHMSA's Storage Final Rule.
- Columbia Gas requests authorization for its Donegal New Drill 12653 Project, including drilling one horizontal injection/withdrawal well at its Donegal Storage Field in Washington County, PA. The project would increase operational efficiencies but would not alter the field's certificated parameters.
- Columbia Gas requests authorization to abandon five injection/withdrawal wells at its Lorain, Lucas, Pavonia and Weaver storage fields in Ashland, Lorain, and Richland Counties, OH. The project would limit integrity risks in alignment with PHMSA’s Storage Final Rule.

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Natural Gas Activity - December 2024

Status	No. of Projects	Storage Capacity (Bcf)	Deliverability (MMcf/d)	Capacity (MMcf/d)	Miles of Pipeline	Compression (HP)
Pipeline						
Placed in Service	2			1,360	3	87,270
Certificated	3			60	1	1,500
Proposed	5			228	3	51,360
Storage						
Placed in Service	0	0	0			0
Certificated	0	0	0			0
Proposed	0	0	0			0
LNG (Import & Export)						
Placed in Service (Export)	0	0	0			0
Certificated (Import/Export)	0	0	0			0
Proposed (Import/Export)	0	0	0			0

Source: FERC E-Library

Natural Gas Activities through December 31, 2024
January through December 31, 2023

Status	No. of Projects	Storage Capacity (BCF)	Deliverability (MMcf/d)	Capacity (MMcf/d)	Miles of Pipeline	Compression (HP)
Pipeline						
Placed in Service	18			8,968.9	529.8	495,958
through December 31, 2023	12			1,411	79	141,193
Certificated	35			10,994.5	267.5	609,867
through December 31, 2023	49			11,457	477	634,389
Storage						
Placed in Service	3	22.5	450.0			35,100
through December 31, 2023	1	195	0			0
Certificated	13	840.5	1,873.6			85,243
through December 31, 2023	5	7	139			20,190
LNG (Import & Export)						
Placed in Service (Export)	0	0.0	0.0			0
through December 31, 2023	0	0	0			0
Certificated (Import/Export)	2	1.2	4.0			0
through December 31, 2023	3	7	1,865			0

Source: FERC E-Library

Hydropower Highlights (nonfederal)

There were no hydropower activities this month.

Hydropower Project Activities in December 2024

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	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: FERC E-Library

Hydropower Project Activities Year to Date (through December 31, 2024)

Status	Conventional		Pumped Storage		Hydrokinetic		Total No. of Projects	Total Capacity (MW)
	No.	Capacity (MW)	No.	Capacity (MW)	No.	Capacity (MW)		
Filed								
License	3	41.420	0	0	0	0	3	41.420
10-MW Exemption	2	0.110	0	0	0	0	2	0.110
Capacity Amendment	6	10.270	0	0	0	0	6	10.270
Conduit Exemption	0	0	0	0	0	0	0	0
Issued								
License	0	0	0	0	1	0.050	1	0.050
10-MW Exemption	0	0	0	0	1	0.105	1	0.105
Capacity Amendment	6	49.354	0	0	0	0	6	49.354
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

- Duke Energy Carolinas' 536.4 MW natural gas fired Lincoln Combustion Expansion in Lincoln County, NC is online.
- Mark One II LLC's 121.0 MW natural gas fired Mark One Power Station & Storage Expansion in Brazoria County, TX is online.
- Lakeland Dept of Electric Water Utilities' 60.0 MW natural gas fired C D McIntosh Jr Project in Polk County, FL is online.
- Timbermill Wind LLC's 189.0 MW Timbermill Wind Farm in Perquimans County, NC is online. The power generated is sold to Google Inc under long-term contract.
- PacifiCorp's 134.8 MW Foote Creek Rim Wind Project in Carbon County, WY is online.
- Northern States Power Co (Minnesota)'s 460.0 solar powered Sherburne County Phase 16 Expansion in Sherburne County, MN is online.
- McFarland Solar B LLC's 300.0 MW McFarland B Solar & Storage in Yuma County, AZ is online.
- Northern States Power Co (Minnesota)'s 250.0 MW solar powered Sherburne County Phase 15 Expansion in Sherburne County, MN is online.
- True North Solar LLC's 238.8 MW True North Solar (TX) Project in Falls County, TX is online.
- Huck Finn Solar LLC's 200.0 MW Huck Finn Solar Project in Audrain County, MO is online.
- Paris Solar Energy Center LLC's 200.0 MW Paris Solar Energy Center in Kenosha County, WI is online. The power generated is sold to Madison Gas & Electric Co under long-term contract.
- West Memphis Solar LLC's 180.0 MW West Memphis Solar LLC in Crittenden County, AR is online.
- Fox Squirrel Solar LLC's 177.0 MW Fox Squirrel Solar Project in Madison County, OH is online.
- Boomtown Solar Energy LLC's 150.0 MW Boomtown Solar Project in White County, IL is online.
- Hardin Solar Energy II LLC's 150.0 MW solar powered Hardin Wind Energy Center Expansion in Hardin County, OH is online. The power generated is sold to Amazon Web Services and Facebook under long-term contract.
- Twin Lakes Solar LLC's 150.0 Twin Lakes Solar LLC in White County, IN is online.
- Cass County Solar Project LLC's 149.9 MW Cass County Solar Project in Cass County, IL is online.
- Clearview Solar I LLC's 144.0 MW Clearview Solar Project in Champaign County, OH is online.
- Blue Bird Solar LLC's 139.0 MW Bluebird Solar Generating Facility in Warren County, MO is online.
- Martin County Solar Project LLC's 111.0 MW Martin County Solar Farm in Martin County, KY is online. The power generated is sold to Toyota Motor Manufacturing North America Inc and Shell Energy North America US LP under long-term contract.
- Hickory Solar LLC (NJ)'s 110.0 MW Hickory Solar Park in Jersey County, IL is online. The power generated is sold to Microsoft Corp under long-term contract.
- Riverstart Solar Park III LLC's 100.0 MW Riverstart Solar Park lll in Randolph County, IN is online.
- Bayou Galion Solar Project LLC's 98.1 MW Bayou Galion Solar Project in Morehouse Parish, LA is online. The power generated is sold to Louisiana Public Service Commission under long-term contract.
- Silicon Ranch Corp's 80.0 MW Ailey Solar Project in Montgomery County, GA is online. The power generated is sold to Green Power EMC under long-term contract.
- Goose Prairie Solar LLC's 80.0 MW Goose Prairie Solar Project in Yakima County, WA is online.
- CS Grass River Solar LLC's 80.0 MW Grass River Solar Project in Saint Lawrence County, NY is online.
- Southern Current LLC's 78.8 MW Lonestar Solar Project in Calhoun County, SC is online. The power generated is sold to Dominion Energy South Carolina under long-term contract.
- Harmony Florida Solar II LLC's 74.5 MW Harmony Florida Solar II Project in Osceola County, FL is online.
- Florida Power & Light Co's 74.5 MW Kayak Solar Project in Okaloosa County, FL is online.
- Storey Bend Solar LLC's 74.5 MW Storey Bend Solar Project in Osceola County, FL is online.
- Baldwin Solar BESS LLC's 68.0 MW Baldwin Solar BESS Project in Randolph County, IL is online.
- Coffeen Solar BESS LLC's 44.0 MW Coffeen Solar BESS Project in Montgomery County, IL is online.

- Wolfskin Solar LLC's 38.0 MW Wolfskin Solar Project in Oglethorpe County, GA. The power generated is sold to Georgia Power Co under long-term contract.
- PTR Holdco LLC's 30.0 MW solar powered Fairview Farms in Harford County, MD is online.
- Blairs Valley I LLC's 20.0 MW Blairs Valley Solar Project in Franklin County, PA is online.
- CZ Solar Warren LLC's 19.9 MW Nickel Solar Project in Warren County, OH is online.
- Listonburg Solar LLC's 15.0 MW Listonburg Solar Project in Somerset County, PA is online.
- Gans Solar LLC's 14.0 MW Gans Solar Farm in Fayette County, PA is online.
- Prospect14's 13.8 MW solar powered Spring Lane Project in Westmoreland County, PA is online.
- Overland Solar LLC's 11.9 MW Overland Solar Project in Weld County, CO is online. The power generated is sold to United Power Inc under long-term contract.
- AES Clean Energy Development LLC's 10.0 MW solar powered Exeter Renewables Project in Washington County, RI is online.
- Catalyze Pombrio Solar Farm I Microgrid LLC's 7.5 MW solar powered NY Altona Mayott Environomics P1 Project in Clinton County, NY is online.
- Catalyze Pombrio Solar Farm 2 Microgrid LLC's 7.1 MW solar powered NY Newark St RT 31 Environomics S1 Project in Clinton County, NY is online.
- Collins Solar LLC's 6.6 MW Project Collins Solar Facility in Oneida County, NY is online.
- Indiana Municipal Power Agency's 6.3 MW IMPA Richmond 8 Solar Park in Wayne County, IN is online.
- Wisconsin Electric Power Co's 6.0 MW Lafayette Solar WI LLC in Walworth County, WI is online.
- Buck Run Solar LLC's 5.5 MW Buck Run Solar LLC in Monroe County, NY is online.
- Ameresco Inc's 5.0 MW Alton Landfill Solar Project in Madison County, IL is online. The power generated is sold to Ameren Illinois under long-term contract.
- Wisconsin Electric Power Co's 5.0 MW Auburn Solar WI LLC in Fond Du Lac County, WI is online.
- Nautilus Solar Solutions LLC's 5.0 MW BNRG Masardis Solar Project in Androscoggin County, ME is online.
- Cypress Creek Renewables LLC's 5.0 MW Dakota Solar Project in Stephenson County, IL is online.
- Cypress Creek Renewables LLC's 5.0 MW solar powered Meltwater Project in Onondaga County, NY is online.
- Greene Community Solar LLC's 5.0 MW Greene Community Solar Project in Chenango County, NY is online.
- Wisconsin Electric Power Co's 5.0 MW Hackbarth Solar WI LLC in Jefferson County, WI is online.
- Catalyze Newark Solar Farm 1 Microgrid LLC's 5.0 MW solar powered NY Newark St RT 31 Environomics S1 in Ontario County, NY is online.
- Greenbacker Renewable Energy Corp's 5.0 MW solar powered Our Katahdin Project in Penobscot County, ME is online.
- TJA NY 1454 CR 15 Oswegatchie LLC's 5.0 MW solar powered TJA NY 1454 CR 15 Oswegatchie LLC in Saint Lawrence County, NY is online.
- TJA NY Cohocton Solar Farm LLC's 5.0 MW TJA NY Cohocton Solar Farm LLC in Steuben County, NY is online.
- Seaboard Solar Holdings LLC's 5.0 MW VP Road Solar South LLC in Onondaga County, NY is online. The power generated is sold to National Grid USA under long-term contract.
- Seaboard Solar Holding LLC's 5.0 MW Wolcott Hill Road Solar LLC in Oneida County, NY is online. The power generated is sold to National Grid USA under long-term contract.
- International Paper Co's 40.0 MW wood waste fired International Paper Riegelwood Expansion in Columbus County, NC is online.
- Trenew LLC's 5.0 MW biomass powered Tracy Desalination Project in San Joaquin County, CA is online. The power generated is sold to Pacific Gas & Electric Co under long-term contract.

New Generation In-Service (New Build and Expansion)

	December 2024		January – December 2024 Cumulative		January – December 2023 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	1	13	0	0
Natural Gas	6	717	86	2,428	158	11,285
Nuclear	0	0	4	1,100	4	1,100
Oil	0	0	5	11	41	79
Water	0	0	4	213	11	230
Wind	2	324	25	3,128	48	6,300
Biomass	2	45	5	51	4	9
Geothermal Steam	0	0	2	29	6	126
Solar	105	4,369	725	30,816	724	20,025
Waste Heat	0	0	0	0	1	31
Other *	31	0	186	28	158	2
Total	146	5,455	1,043	37,817	1,155	39,187

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

Total Available Installed Generating Capacity

	Installed Capacity (GW)	% of Total Capacity
Coal	201.27	15.30%
Natural Gas	565.77	43.00%
Nuclear	103.15	7.84%
Oil	35.98	2.73%
Water	100.89	7.67%
Wind	153.65	11.68%
Biomass	14.49	1.10%
Geothermal Steam	4.17	0.32%
Solar	134.12	10.19%
Waste Heat	1.30	0.10%
Other	0.84	0.06%
Total	1,315.63	100.00%

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

Generation Capacity Additions and Retirements
(January 2025 – December 2027)
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	61	23,925
Natural Gas	202	35,512	112	15,241	142	16,074
Nuclear	0	0	0	0	0	0
Oil	13	699	10	42	47	2,335
Water	131	8,695	65	1,381	21	36
Wind	260	68,898	92	23,684	11	83
Biomass	23	187	11	121	18	60
Geothermal Steam	10	199	1	90	0	0
Solar	3,041	222,450	1,016	91,565	8	7
Waste Heat	19	117	3	31	0	0
Other *	930	6	357	0	4	0
Total	4,629	336,763	1,667	132,155	312	42,520

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

Electric Transmission Highlights

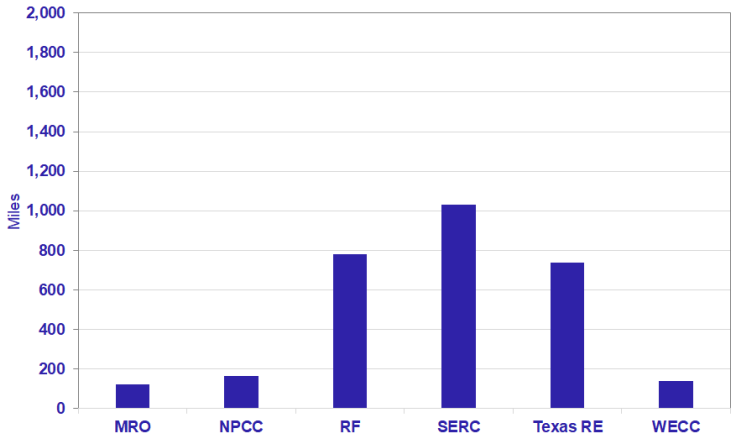
- Entergy Texas has completed the 6.7 mi, 138 kV Castle – Ponderosa/Grimes Tap Transmission Line Project in TX.
- Oncor Electric Delivery has completed the 0.9 mi, 138 kV Vanguard – Seagoville/Mesquite East Transmission Line Project in TX.
- Texas North Company has completed the 0.5 mi, 138 kV Ollin -McElroy Transmission Line Project in TX.
- NSTAR Electric has completed the 16.6 mi, 115 kV Sudbury – Hudson Transmission Line Project in MA.
- Southwestern Public Service has completed the 6.0 mi, 115 kV Battle Axe – Zia Hills Transmission Line Project in NM.

	Transmission Projects Completed				Proposed Transmission Projects In-Service by May 2027	
Voltage (kV)	December 2024	December 2023	January –December 2024 Cumulative	January – December 2023 Cumulative	High Probability of Completion	All
	Line Length (miles)					
≤230	30.7	57.4	94.4	260.2	1,201.9	1,545.5
345	0.0	0.0	150.5	59.5	962.3	1,136.3
500	0.0	0.0	125.0	0.0	181.0	301.0
Total U.S.	30.7	57.4	369.9	319.7	2,345.2	2,982.8

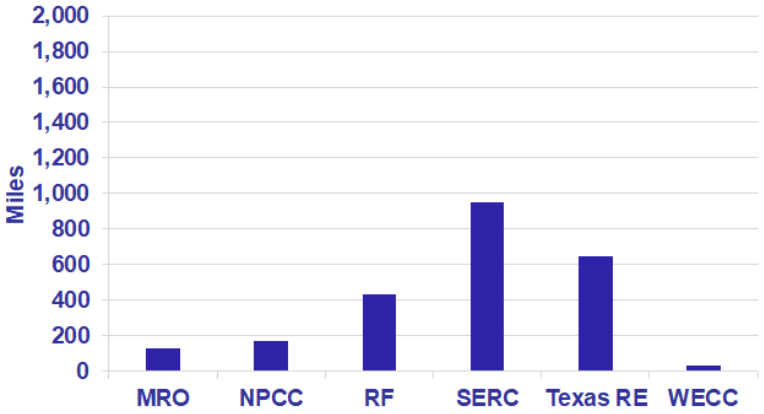
Sources: North American Electric Reliability Corporation (NERC) Electricity Supply & Demand (ES&D) and U.S. Electric Transmission Projects © Yes Energy The C Three Group, LLC.

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For December 2024

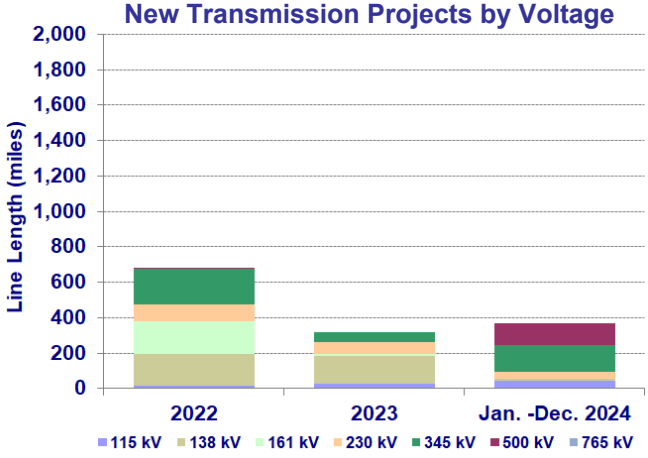
All Transmission Projects with a Proposed In-Service Date by May 2027



Transmission Projects with a High Probability of being completed by May 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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