



## Office of Energy Projects Energy Infrastructure Update For July 2024

### Natural Gas Highlights

- GTN received authorization to place in service the uprated compression for its Athol, Starbuck, and Kent Compressor Stations in Kootenai County, ID, Walla Walla County, WA, and Sherman County, OR respectively, as part of its GTN Express Project. The rest of the project is still under construction.
- Transco received authorization to place in service the remaining facilities for its Regional Energy Access Project, which account for 249 MMcf/d of capacity and 14,007 HP of compression. The project is now fully in service.
- Rockies Express received authorization to place in-service the Rex New Facilities portion for the Trailblazer Conversion Project, including 41-miles of new pipeline and 7,800 HP of new compression.
- Transco received authorization for its Mustang Island to Brazos Lateral Abandonment Project, including abandoning a 12.9-mile lateral line from the Mustang Island Area Block A-85 to the Brazos Area Block A-133 Platform, Offshore TX. The line has not provided transportation to any shippers in the last 12-months.
- Gulf South received authorization for its Mineola Compressor Station Abandonment Project, including abandoning two compressor units and other facilities in Wood County, TX. The station has been idle since 2004.
- ANR received authorization for its Oak Grove Enhancement Project, which consists of replacing 33 miles of its Line 0-501 in Richland and West Carroll Parishes, LA. The Project would upgrade the existing pipeline.
- Columbia Gulf received authorization for its Wax Lake Remediation Project, including installing tie-ins and related facilities between its EL-300 line and an existing aerial crossing above the Wax Lake Outlet in St. Mary Parish, LA. The Project would provide redundancy across the lake and would not affect service to customers.
- ANR Pipeline received authorization for its Loreed PN 8868 Well Abandonment Project, which includes abandoning one I/W well at its Loreed Storage Field in Osceola County, MI. The well's contributions to the field are minor and plugging it would limit integrity risks.
- Golden Triangle Storage received authorization for its GTS Expansion Project, which includes developing two caverns and adding 33,000 HP of compression at its storage facility in Jefferson and Orange Counties, TX. The project would increase storage capacity by 14.4 Bcf and deliverability by 860 MMcf/d.
- Total Peaking Services received authorization to abandon from jurisdictional service its LNG storage tank and associated liquefaction and revaporization facilities in Milford, CT. Post abandonment the facility would be operated by Southern Connecticut Gas Company who is the sole customer for the facility.
- EcoEléctrica requests authorization to increase the sendout capacity of its LNG Supply Pipeline to the existing off-site LNG Truck Loading Facility from 250 to 500 gallons per minute during periods of simultaneous trailer loading. The increase will not require new construction.
- NGPL requests authorization for its UPS Hodgkins Delivery Meter Station Project, which would allow direct delivery to a UPS center in Cook County, IL.
- Hess Tioga Gas Plant requests authorization to own and 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.
- Rover requests authorization for its Berne Meter Station Expansion Project in Monroe County, OH. The project includes making modifications to its existing meter station in order to increase receipts at the meter station by 50 MMcf/d.
- Florida Gas requests authorization for its Comite River Diversion Canal Project, including relocating two pipeline segments totaling 3.8-miles and abandoning two segments on its mainline. The project would accommodate a flood protection project in Baton Rouge Parish, LA.
- Florida Gas requests authorization for its Livingston Parish Project, including removing existing M&R facilities at the City of Walker M&R Station in St. Helena Parish, LA, and the Compressor Station 10 Camshaft Upgrade Project in Perry County, MS. The project would provide up to 4 MMcf/d of transportation capacity for the City of Walker.
- Stakeholder Gas Utility requests authorization for a temporary limited jurisdiction certificate that would enable it to continue to provide transportation service to a powerplant in Yoakum County, TX, while Stakeholder undertakes modifications to its non-jurisdictional gathering system.
- Rover Pipeline requests authorization for its Wick Meter Downsize Project, including constructing facilities at its Wick Meter Station in Tyler County, WV, in order to decrease the station's maximum receipt capacity from 300 to 100 MMcf/d.
- Southern Star Central requests authorization for its Line VO Abandonment Project, which consists of abandoning the 7-mile portion of its Line VO and related system modifications. The line currently does not serve any customers.



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- Black Bayou Gas requests authorization to construct four underground salt dome natural gas storage caverns, a 44,000 HP compressor station, and other facilities in Cameron Parish, LA. The storage facility would have a working gas capacity of 34.7 Bcf and 2 Bcf/d of deliverability.
- MountainWest Pipeline requests authorization to increase the maximum certificated shut-in pressure, maximum certificated volume, and the working gas inventory at its Clay Basin Storage Reservoir in Daggett County, UT. The additional 7.8 Bcf of capacity would be used to provide interruptible storage services.
- Eastern Gas Transmission and Storage requests authorization to abandon three wells at its Fink-Kennedy/Lost Creek Storage Complex in Harrison and Lewis Counties, WV. The abandonment would limit integrity risk in alignment with PHMSA's Storage Final Rule.
- Columbia Gas requests authorization for its Laurel Well Conversion Project in Hocking County, OH. The project involves converting an injection/withdrawal well to an observation well.
- Columbia Gas requests authorization for its Lucas Well 8864 Abandonment Project, which includes abandoning the well and appurtenant facilities at its Lucas Storage Field in Ashland County, OH. The project would not affect the field's parameters or customers and would limit integrity risk in alignment with PHMSA's Storage Final Rule.



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### Natural Gas Activity - July 2024

Status	No. of Projects	Storage Capacity (Bcf)	Deliverability (MMcf/d)	Capacity (MMcf/d)	Miles of Pipeline	Compression (HP)
<b>Pipeline</b>						
Placed in Service	3			299	41	49,317
Certificated	2			0	33	0
Proposed	3			4	4	0
<b>Storage</b>						
Placed in Service	0	0	0			0
Certificated	1	14	860			33,000
Proposed	2	43	2,000			44,000
<b>LNG (Import &amp; Export)</b>						
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 July 31, 2024

#### January through July 31, 2023

Status	No. of Projects	Storage Capacity (BCF)	Deliverability (MMcf/d)	Capacity (MMcf/d)	Miles of Pipeline	Compression (HP)
<b>Pipeline</b>						
Placed in Service	12			5,144.0	441.4	359,688
through July 31, 2023	4			737.0	0.0	54,386
Certificated	24			8,715.9	230.5	275,475
through July 31, 2023	29			8,711.1	239.5	438,059
<b>Storage</b>						
Placed in Service	1	0.0	0.0			9,000
through July 31, 2023	1	195.0	0.0			0
Certificated	3	14.4	965.0			33,000
through July 31, 2023	2	0.0	0.0			9,690
<b>LNG (Import &amp; Export)</b>						
Placed in Service (Export)	0	0.0	0.0			0
through July 31, 2023	0	0.0	0.0			0
Certificated (Import/Export)	1	1.2	4.0			0
through July 31, 2023	1	-3.4	-0.5			0

Source: FERC E-Library



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## Hydropower Highlights (nonfederal)

- Town of Stowe Electric Department filed a small-hydro exemption for licensing for the proposed 0.105 MW Smith's Falls Hydroelectric Project No. 15366. The project will be located on the Little River in Lamoille County VT.
- Scott Sanicki filed a small-hydro exemption from licensing for the proposed 0.005 MW Quiet Woods Water Wheel Project No, 15324. The project will be located on the Pocotopaug Creek in Middlesex County, CT.

### Hydropower Project Activities in July 2024

Status	Conventional		Pumped Storage		Hydrokinetic		Total No. of Projects	Total Capacity (MW)
	No.	Capacity (MW)	No.	Capacity (MW)	No.	Capacity (MW)		
<b>Filed</b>								
License	0	0	0	0	0	0	0	0
10-MW Exemption	2	0.110	0	0	0	0	2	0.110
Capacity Amendment	0	0	0	0	0	0	0	0
Conduit Exemption	0	0	0	0	0	0	0	0
<b>Issued</b>								
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
<b>Placed in Service</b>								
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 July 31, 2024)

Status	Conventional		Pumped Storage		Hydrokinetic		Total No. of Projects	Total Capacity (MW)
	No.	Capacity (MW)	No.	Capacity (MW)	No.	Capacity (MW)		
<b>Filed</b>								
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	4	6.970	0	0	0	0	4	6.970
Conduit Exemption	0	0	0	0	0	0	0	0
<b>Issued</b>								
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	4	18.913	0	0	0	0	4	18.913
Conduit Exemption	0	0	0	0	0	0	0	0
<b>Placed in Service</b>								
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



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### Electric Generation Highlights

- Nevada Power Co's 315.2 MW natural gas fueled Silverhawk Expansion Project in Clark County, NV is online.
- Massachusetts Municipal Wholesale Electric Co's 65.0 MW MMWEC Simple Cycle Gas Turbine in Essex County, MA is online.
- Wisconsin Electric Power Co's 40.0 MW natural gas fueled Paris Generation Station rerating in Kenosha County, WI is online.
- Wisconsin Electric Power Co's 20.0 MW natural gas fueled Concord (WI) Rerate in Jefferson County, WI is online.
- City of Springville UT's 7.5 MW natural gas fueled Whitehead (UT) Expansion Project in Utah County, UT is online.
- Babbitt Ranch Energy Center LLC's 101.0 MW wind powered Babbitt Ranch Energy Center in Coconino County, AZ is online. The power generated is sold to NextEra Energy Resources LLC under long-term contract.
- South Fork Wind LLC's 40.0 MW wind powered Orsted South Fork Offshore Expansion project in NY is online. The power generated is sold to Long Island Power Authority under long-term contract.
- Hecate Energy Frye Solar LLC's 502.0 MW Frye Solar Project in Swisher County, TX is online.
- JP Morgan Asset Management's 210.0 MW Pearl River Solar Park in Scott County, MS is online.
- EDP Renewables North America's 200.0 MW Brittlebush Solar Park in Pinal County, AZ is online.
- Three Corners Solar LLC's 122.5 MW Three Corners Solar Project in Kennebec County, ME is online.
- Yellow Pine Solar II LLC's 65.0 MW Yellow Pine II Expansion Project in Clark County, NV is online.
- Babbitt Ranch Energy Center LLC's 60.0 MW solar powered Babbitt Ranch Energy Center in Coconino County, AZ is online. The power generated is sold to Google Inc under long-term contract.
- TAI Huntsville Solar LLC's 30.0 MW Huntsville Solar Project in Madison County, AL is online. The power generated is sold to Huntsville AL (City of) under long-term contract.
- Capon Bridge Solar LLC's 20.0 MW Capon Bridge Solar Project in Hampshire County, WV is online.
- North Park Solar LLC's 11.5 MW Glenville Solar Project in Schenectady County, NY is online.
- North Park Solar LLC's 11.0 MW Rotterdam Solar Project in Schenectady County, NY is online.
- North Park Solar LLC's 8.0 MW Delanson Solar Project in Schenectady County, NY is online.
- Westbound Solar 3 LLC's 6.5 MW solar powered CES Heuvelton Project in Saint Lawrence County, NY is online. The power generated is sold to National Grid USA under long-term contract.
- DG Empire Sun LLC's 5.0 MW solar powered NY Avon I CSG Project in Livingston County, NY is online.



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### New Generation In-Service (New Build and Expansion)

Primary Fuel Type	July 2024		January – July 2024 Cumulative		January – July 2023 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	15	450	48	887	99	9,271
Nuclear	0	0	4	1,100		0
Oil	1	0	5	11	14	26
Water	0	0	3	212	8	221
Wind	2	141	16	2,270	16	2,760
Biomass	0	0	2	3	2	30
Geothermal Steam	0	0	0	0	3	90
Solar	40	1,291	352	14,949	358	8,248
Waste Heat	0	0	0	0	1	31
Other *	9	0	89	3	93	2
<b>Total</b>	<b>67</b>	<b>1,882</b>	<b>519</b>	<b>19,435</b>	<b>594</b>	<b>20,679</b>

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	204.67	15.74%
Natural Gas	562.92	43.28%
Nuclear	104.38	8.03%
Oil	35.98	2.77%
Water	100.77	7.75%
Wind	152.79	11.75%
Biomass	14.50	1.11%
Geothermal Steam	4.14	0.32%
Solar	118.42	9.10%
Waste Heat	1.30	0.10%
Other	0.81	0.06%
<b>Total</b>	<b>1,300.69</b>	<b>100.00%</b>

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



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## Generation Capacity Additions and Retirements (August 2024 – July 2027) From Hitachi Energy Velocity Suite's Generating Unit Capacity Dataset

Primary Fuel Type	All Additions		High Probability Additions		Retirements	
	No. of Units	Installed Capacity (MW)	No. of Units	Installed Capacity (MW)	No. of Units	Installed Capacity (MW)
Coal	0	0	0	0	53	21,377
Natural Gas	189	27,607	111	12,915	137	16,050
Nuclear	0	0	0	0	0	0
Oil	11	680	8	22	46	2,136
Water	128	9,009	46	1,346	17	18
Wind	254	69,893	87	24,697	11	83
Biomass	28	250	14	179	16	52
Geothermal Steam	10	509	1	400	0	0
Solar	2,973	210,703	999	90,070	9	99
Waste Heat	16	114	2	29	0	0
Other *	806	584	355	35	5	0
<b>Total</b>	<b>4,415</b>	<b>319,349</b>	<b>1,623</b>	<b>129,693</b>	<b>294</b>	<b>39,815</b>

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

- Duke Energy Florida has completed the 21.4 mi, 230 kV Osprey - Haines City East Transmission Project in FL.

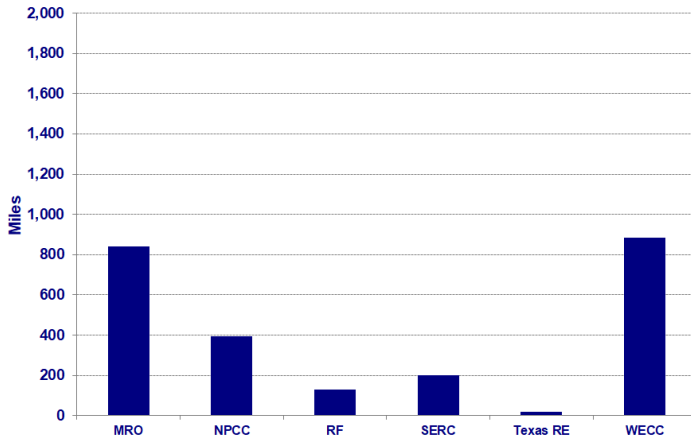
Voltage (kV)	Transmission Projects Completed				Proposed Transmission Projects In-Service by December 2026	
	July 2024	July 2023	January – July 2024 Cumulative	January – December 2023 Cumulative	High Probability of Completion	All
Line Length (miles)						
≤230	21.4	31.6	37.0	247.2	300.5	564.1
345	0.0	0.0	0.0	59.5	356.6	356.6
500	0.0	0.0	125.0	0.0	1,249.0	1,549.0
<b>Total U.S.</b>	<b>21.4</b>	<b>31.6</b>	<b>162.0</b>	<b>306.7</b>	<b>1,906.1</b>	<b>2,469.7</b>

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.

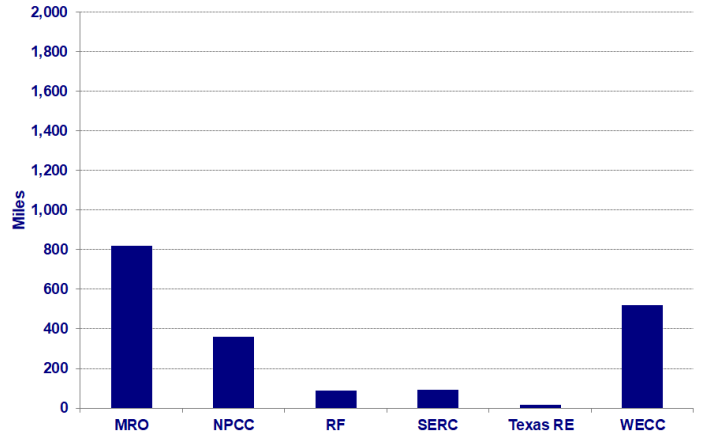


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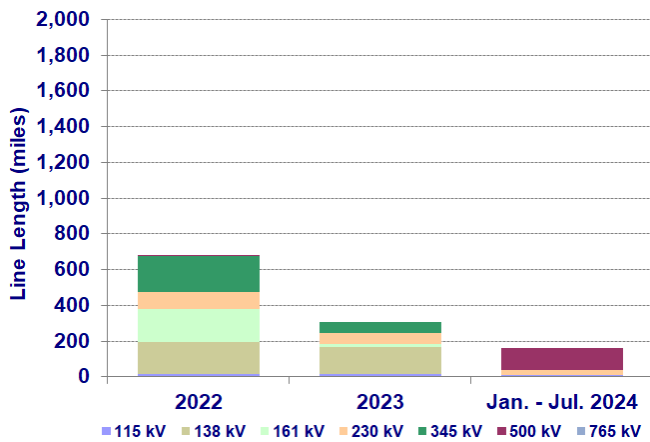
**All Transmission Projects with a Proposed In-Service Date by December 2026**



**Transmission Projects with a High Probability of being completed by December 2026**



**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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