



Office of Energy Projects Energy Infrastructure Update *For June 2022*

Natural Gas Highlights

- Florida Gas received authorization for its Brazoria County Project, which includes constructing 2-miles of pipeline and other facilities and modifying and uprating an existing compressor in order to transport up to 68 MMcf/d of natural gas for a power generator. The project is located in Brazoria and Matagorda Counties, TX.
- Equitrans received authorization to abandon by sale or in place its 927 mile gathering system in PA and WV.
- Tennessee Pipeline received authorization for its Compressor Station 409 Project, which consists of installing a 5,000 HP compressor at the existing CS 409 in order to increase capacity by 77 MMcf/d. The project would be located in Hidalgo County, TX, and allow Tennessee to extend the firm transportation path for an existing shipper to the Agua Dulce, Texas area and increase unsubscribed incremental firm capacity between Agua Dulce and the Mexico border.
- Equitrans withdrew its application for the Tri-State Corridor Project, which would have consisted of 16.7 miles pipeline in Washington County, PA and Brooke County, WV, designed to transport up to 140 MMcf/d of natural gas to a new power plant in Brooke County, WV.
- Carolina Gas received authorization for its Moore-Dorchester Optimization Project, including modifications to its Moore and Dorchester compressor stations and its Charleston Town Border M&R Station. The project, located in Spartanburg, Dorchester, and Charleston counties, SC, would allow it to provide up to 10 MMcf/d of firm transportation service to a delivery point in Charleston, SC.
- ANR received authorization to abandon in place six injection/withdrawal wells and associated pipelines at its Goodwell and Reed City Storage Fields in Newaygo and Osceola Counties, MI. The abandonment will help protect the integrity of the field and will not impact certificated capacity or customers.
- Texas Eastern requests authorization for its Lake Livingston Abandonment Project, which consists of abandoning in place 2.8 miles of Line 11-Aux-1 across Lake Livingston, in Polk and San Jacinto Counties, TX. The line has not been used in many years and the project would not affect customers.
- Cimarron River Pipeline requests authorization for its Beaver County 1 Abandonment Project, which consists of abandoning by sale to its affiliate, DCP Operating, five compressors and other facilities at its Beaver County 1 Compressor Station in Beaver County, OK. DCP would use these facilities for use in its non-jurisdictional gathering system. The project would not adversely affect Cimarron's interstate jurisdictional services.
- West Texas Gas and West Texas Gas Utility request authorization to transfer three NGA Section 3 Authorizations and Presidential Permits from WTGI to WTGU. The permits involve the Del Rio, Eagle Pass (Reef), and Eagle Pass (Valero) border crossing facilities. The transfer of the facilities, located in Val Verde and Maverick Counties, TX, would not affect existing service.
- MIGC requests authorization for its Python Compressor Abandonment Project, which includes abandoning its Python compressor unit and related facilities in Converse County, WY. This facility has not been used in over 10-years due to the decline in production in the area.
- Southern Natural Gas requests authorization for its Muldon Well Abandonment Project, including abandoning nine injection/withdrawal wells and abandoning in place and by removal the associated pipelines at its Muldon Gas Storage Field in Monroe County, MS. These wells have had marginal deliverability and the project would allow SNG to optimize operations without impacting customers or the field's certificated parameters.



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Natural Gas Activity - June 2022

Status	No. of Projects	Storage Capacity (Bcf)	Deliverability (MMcf/d)	Capacity (MMcf/d)	Miles of Pipeline	Compression (HP)
Pipeline						
Placed in Service	0			0	0	0
Certificated	3			155	2	5,700
Proposed	0			0	0	0
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: Staff Database

Natural Gas Activities through June 30, 2022 January through June 30, 2021

Status	No. of Projects	Storage Capacity (BCF)	Deliverability (MMcf/d)	Capacity (MMcf/d)	Miles of Pipeline	Compression (HP)
Pipeline						
Placed in Service through June 30, 2021	2 0			662.0 0.0	20.7 0.0	140,820 0
Certificated through June 30, 2021	19 13			3,114.3 2258.2	75.9 330.4	232,737 31,783
Storage						
Placed in Service through June 30, 2021	0 0	0.0 0.0	0.0 0.0			0 0
Certificated through June 30, 2021	1 2	16.0 36.1	450.0 94.2			20,600 26,205
LNG (Import & Export)						
Placed in Service (Export) through June 30, 2021	1 1	8.2 10.1	0.7 713.0			0 0
Certificated (Import/Export) through June 30, 2021	0 1	0.0 0.0	0.0 197.0			0 0

Source: Staff Database



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Hydropower Highlights (nonfederal)

There were no hydropower activities this month.

Hydropower Project Activities in June 2022

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: Staff Databases

Hydropower Project Activities Year to Date (through June 30, 2022)

Status	Conventional		Pumped Storage		Hydrokinetic		Total No. of Projects	Total Capacity (MW)
	No.	Capacity (MW)	No.	Capacity (MW)	No.	Capacity (MW)		
Filed								
License	1	4.500	0	0	0	0	1	4.500
10-MW Exemption	0	0	0	0	0	0	0	0
Capacity Amendment	2	13.652	0	0	0	0	2	13.652
Conduit Exemption	0	0	0	0	0	0	0	0
Issued								
License	1	0.160	0	0	0	0	1	0.160
10-MW Exemption	0	0	0	0	0	0	0	0
Capacity Amendment	3	8.150	0	0	0	0	3	8.150
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 Databases



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Electric Generation Highlights

- DTE Energy Co's 1,267.4 MW natural gas-fired Blue Water Energy Center in Saint. Clair County, MI is online.
- Florida Power & Light Co's 1,163.0 MW natural gas-fired Lauderdale Expansion in Broward County, FL is online.
- SJRR Power LLC's 100.0 MW natural gas-fired Chamon Power in Harris County, TX is online.
- NorthWestern Energy's 69.0 MW natural gas-fired Bob Glanzer Generating Station in Beadle County, SD is online.
- Heartland Divide Wind II LLC's 200.0 MW Heartland Divide Wind II Project in Adair County, IA is online.
- Panorama Wind LLC's 145.0 MW Panorama Wind Farm in Weld County, CO is online. The power generated is sold to Guzman Energy LLC under long-term contract.
- SE Athos 1 LLC's 250.0 MW Athos Solar Energy Project in Riverside County, CA is online.
- Big River Solar LLC's 149.0 MW Big River Solar Project in White County, IL is online. The power generated is sold to Prairie Power Inc. under long-term contract.
- Rayos Del Sol Solar Project LLC's 137.5 MW Nebula Solar Project in Cameron County, TX is online.
- Emerald Grove Solar LLC's 108.0 MW Emerald Grove Solar Project in Crane County, TX is online.
- Duke Energy Florida's 74.9 MW Bay Trail Solar Project in Citrus County, FL is online.
- Tulare Solar Center LLC's 55.8 MW Tulare Solar Center in Tulare County CA is online. The power generated is sold to East Bay Community Energy Authority under long-term contract.
- Kruger Energy Hertford LLC's 10.0 MW Kruger Solar Energy Hertford Project in Hertford County, NC is online. The power generated is sold to Dominion North Carolina Power under long-term contract.
- BD Solar Ellsworth LLC's 7.0 MW Ellsworth Solar Project in Hancock County, ME is online. The power generated is sold to Versant Power under long-term contract.
- Delaware River Solar's 6.3 MW State Highway 17B Project in Sullivan County, NY is online.
- 1639 RT 29 Solar 2 LLC's 6.0 MW 1639 RT 29 System A Solar Project in Fulton County, NY is online.
- RPNY Solar 2 LLC's 5.8 MW Bullis Road Solar Project in Erie County, NY is online. The power generated is sold to New York State Electric & Gas Corp. under long-term contract.
- Off Arpt Road West LLC's 5.6 MW Rochester Off Arpt Road Solar Project in Ulster
- Indiana Municipal Power Agency's 5.5 MW Anderson 6 Solar Project in Madison County, IN is online.
- OYA Solar NY LP's 5.0 MW Robinson Solar Project in Jefferson County, NY is online.
- Delaware River Solar's 5.0 MW Route 19 Community Solar Farm in Wyoming County, NY is online.

New Generation In-Service (New Build and Expansion)

	June 2022		January – June 2022 Cumulative		January – June 2021 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	1	11
Natural Gas	10	2,599	49	4,695	56	1,194
Nuclear	0	0	0	0	0	0
Oil	0	0	2	5	13	47
Water	0	0	4	7	11	28
Wind	2	345	27	5,722	41	7,157
Biomass	2	2	2	2	5	12
Geothermal Steam	0	0	1	26	1	25
Solar	31	723	204	3,895	329	5,714
Waste Heat	0	0	0	0	0	0
Other *	12	0	49	0	52	0
Total	57	3,669	338	14,352	509	14,188

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



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Total Available Installed Generating Capacity

	Installed Capacity (GW)	% of Total Capacity
Coal	221.40	17.66%
Natural Gas	554.54	44.23%
Nuclear	102.43	8.17%
Oil	38.05	3.03%
Water	100.88	8.05%
Wind	140.57	11.21%
Biomass	15.33	1.22%
Geothermal Steam	4.00	0.32%
Solar	74.53	5.94%
Waste Heat	1.32	0.11%
Other	0.69	0.06%
Total	1,253.74	100.00%

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

Generation Capacity Additions and Retirements (July 2022 – June 2025)

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	22,226
Natural Gas	189	38,732	108	21,743	135	17,424
Nuclear	2	2,200	2	2,200	1	1,159
Oil	18	688	11	21	113	1,778
Water	171	12,698	57	625	18	47
Wind	315	70,551	94	17,383	28	158
Biomass	18	150	16	143	46	344
Geothermal Steam	9	185	2	67	10	35
Solar	2,987	192,507	763	66,315	0	0
Waste Heat	4	60	2	29	1	27
Other *	641	667	222	21	3	0
Total	4,354	318,438	1,277	108,547	416	43,198

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



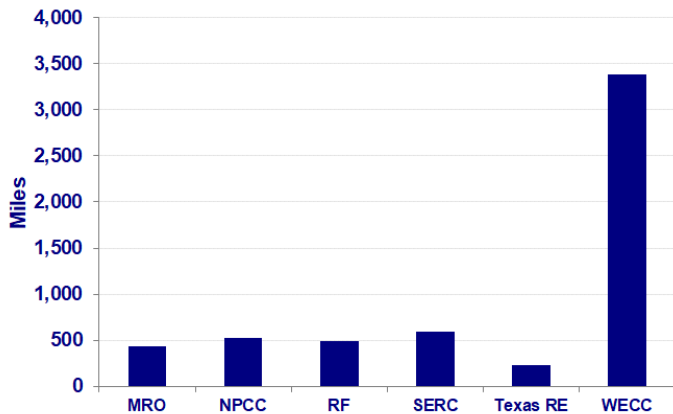
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Electric Transmission Highlights

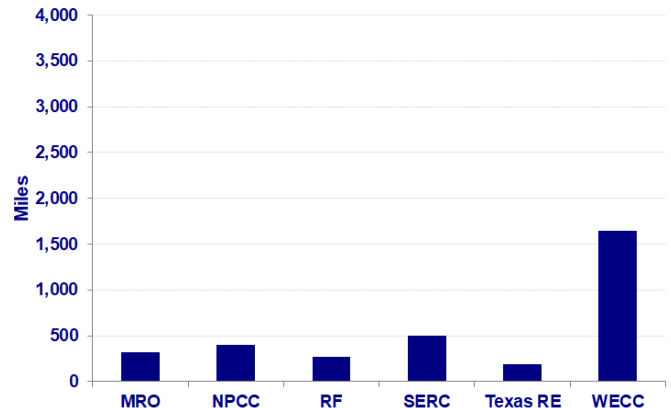
- NextEra Energy has completed the 20.0 mi, 345 kV Dysinger – East Stolle Road Transmission Project in NY.
- Florida Power & Light Company has completed the 176.0 mi, 161 kV Raven – Sinai Transmission Project in FL.

	Transmission Projects Completed				Proposed Transmission Projects In-Service by November 2024	
Voltage (kV)	June 2022	June 2021	January – June 2022 Cumulative	January – December 2021 Cumulative	High Probability of Completion	All
Line Length (miles)						
≤230	176.0	151.0	292.4	801.0	1,814.8	2,203.1
345	20.0	34.1	95.0	566.6	412.1	1,256.0
500	0.0	0.0	0.3	0.0	1,083.0	2,199.3
Total U.S.	196.0	185.1	387.7	1,367.6	3,309.9	5,658.4

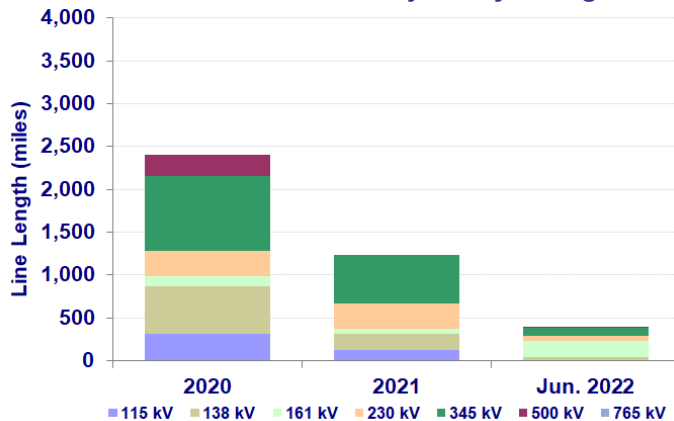
All Transmission Projects with a Proposed In-Service Date by November 2024



Transmission Projects with a High Probability of being completed by November 2024



New Transmission Projects by Voltage



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

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