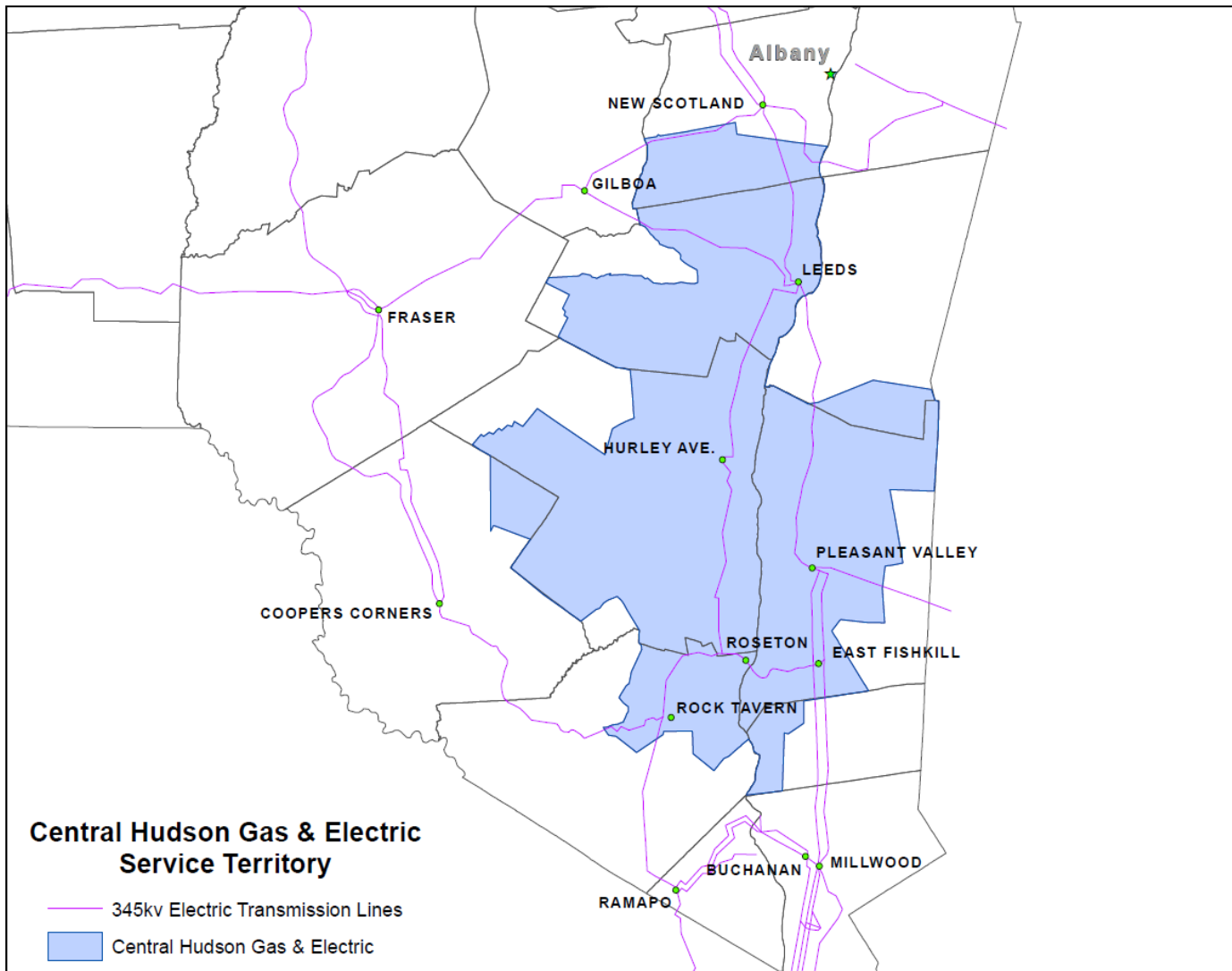


Local Transmission Plan

October 2021



Central Hudson's Service Territory



Own & Operate approximately 600 miles of 69 kV, 115 kV & 345 kV transmission lines and three 345 kV substations

Serving ~300,000 electric customers

Zone G: Majority of Central Hudson's load

Zone E: One small distribution substation

Historic Peak Loads

Summer Peak Loads				Winter Peak Loads			
Year	NYCA	Zone G	CHG&E+	Year	NYCA	Zone G	CHG&E+
2011	33,867	2,415	1,225	2011-12	23,901	1,618	861
2012	32,439	2,242	1,168	2012-13	24,659	1,539	892
2013	33,956	2,358	1,202	2013-14	25,739	1,700	938
2014	29,782	2,036	1,060	2014-15	24,648	1,556	874
2015	31,139	2,151	1,059	2015-16	23,319	1,496	863
2016	32,075	2,123	1,088	2016-17	24,164	1,549	862
2017	29,699	2,063	1,034	2017-18	25,081	1,638	904
2018	31,861	2,190	1,114	2018-19	24,727	1,618	900
2019	30,397	2,180	1,109	2019-20	23,253	1,468	829
2020	30,660	2,177	1,142	2020-21	22,542	1,481	841
2021	30,309	n/a	1,148				

+ CHG&E Loads not coincident with other NYCA loads

Forecast Peak Loads

Summer Forecast

Year	NYCA*	Zone G*	CHG&E+
2022	32,178	2,179	1,096
2023	31,910	2,145	1,094
2024	31,641	2,113	1,105
2025	31,470	2,097	1,100
2026	31,326	2,079	1,100

* From 2021 “Gold Book”
Table I-3a

+ CHG&E 50/50 Forecast
(includes impact of energy
efficiency and PV)

Facilities Covered by Central Hudson's Local Transmission Plan

- Central Hudson's Local Transmission Plan is intended to provide safe & reliable service to the load within our franchise area.
- This plan does not address state-wide issues such as intra-state and inter-state transfer limits.
- This plan does not address "in-kind" equipment replacements.

Facilities Covered by Central Hudson's Local Transmission Plan

- **Transmission lines**
 - 115 kV
 - 69 kV
- **Transmission system transformers**
 - 345/115 kV
 - 115/69 kV
- **Substation facilities**
 - 345 kV
 - 115 kV
 - 69 kV

Planning Horizon

Annual planning process:

Five year corporate capital forecast

- generally “firm” projects
- budgetary cost estimates
- estimated in service date

Issues Addressed

- Infrastructure Condition: Central Hudson Transmission System Infrastructure facility inspection reports, condition assessments and diagnostic test data
- Compliance requirements: NESC, NERC, etc.
- Reactive Support: Maintain sufficient reactive support for local needs

Issues Addressed

- Central Hudson's System Load Serving Capability
 - Consideration of through-flows
 - Consideration of proposed interconnections
- Central Hudson's Local Area Load Serving Capabilities
 - Northwest 115/69 kV Area
 - Westerlo 69 kV Area
 - Southwest 69 kV
 - Southern Dutchess 115 kV
 - Mid Dutchess 115 kV
 - Ellenville Area
 - Newburgh 115 kV Area
 - Eastern Dutchess 69 kV
 - Kingston – Milan

Projects Addressing Infrastructure Condition Issues

Completed Projects

Project	Area	County	Status
North Chelsea 115/69 kV transformer replacement	Eastern 69 kV	Dutchess	Completed
115 kV East Fishkill – Fishkill Plains Rebuild	Southern Dutchess 115 kV	Dutchess	Completed
Two North Catskill 115/69 kV transformer replacements	Northwest Area	Greene	Completed
Retire 69 kV Dashville - Ohioville		Ulster	Conductors and static wires removed. Towers will be removed starting next year.
69 kV North Catskill – Lawrenceville – S. Cairo Rebuild	Westerlo 69 kV	Greene	Completed

Firm Projects

Project	Area	County	Issue	Status	SIS	Permitting	In Service Date
69 kV Myers Corners – North Chelsea Rebuild	Eastern 69 kV	Dutchess	Condition Assessment of Structures	Construction	n/a	Part 102 filed 2019	December 2021
69 kV Myers Corners – Knapps Corners Rebuild	Eastern 69 kV	Dutchess	Condition Assessment of Structures	In Design	n/a	Part 102 will be filed soon	December 2022
Transfer ownership of 115 kV Rock Tavern – Sugarloaf line to NY Transco	n/a	Orange	Alternate for Segment B needed in ORU area	In Planning	n/a	n/a	December 2022
Retire 115 kV SD/SJ Sugarloaf – NJ lines	n/a	Orange	Condition Assessment of Structures & Conductor	In Planning	n/a	Local permit may be required	December 2024

Firm Projects

Project	Area	County	Issue	Status	SIS	Permitting	In Service Date
Kerhonkson 115/69 kV Substation	Ellenville	Ulster	Upgrade certain parts of the area to 115 kV and keep remaining area 69 kV	In Design	n/a	Article VII Approved (may need amendment)	December 2023
Convert P & MG Lines from 69 kV to 115 kV	Ellenville	Ulster	Condition Assessment of Structures and Substation Equipment	Line Construction Largely Complete	n/a	Article VII Approved (may need amendment)	December 2024
69 kV Hurley Ave. – Saugerties – North Catskill Rebuild (for 115 kV)	Northwest	Ulster Greene	Condition Assessment of Structures	In Design	n/a	Article VII Deemed Complete	December 2024
Retire GM Clinton Tap	Ellenville	Ulster	Condition Assessment of Structures	In Design	n/a	Local permit may be required	December 2024

Firm Projects

Project	Area	County	Issue	Status	SIS	Permitting	In Service Date
Retirement of South Cairo and Cossackie Combustion Turbines	Westerlo 69 kV	Greene	DEC Peaker Rule	In Planning	n/a	n/a	December 2024
Installation of statcom and cap bank at South Cairo and Freehold Substations	Westerlo 69 kV	Greene	Post Contingency Voltage Support	In Planning	n/a	n/a	December 2024
115 kV Spackenkill – Knapps Corners Rebuild	Mid-Dutchess 115 kV	Dutchess	Condition Assessment of Structures	In Design	n/a	Part 102 Required	December 2025
69 kV HG Line from Honk Falls to Neversink	Ellenville	Ulster & Sullivan	Condition Assessment of Structures	In Design	n/a	Part 102 Required	December 2026

Firm Projects

Project	Area	County	Issue	Status	SIS	Permitting	In Service Date
69 kV Pleasant Valley – East Park – Staatsburg – Rhinebeck Rebuild	Eastern 69 kV	Dutchess	Condition Assessment of Structures	In Planning	n/a	Part 102 or Article VII Required	December 2027

Comments

Interested parties should forward any comments to:

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