

# Local Transmission Plan

August 2024



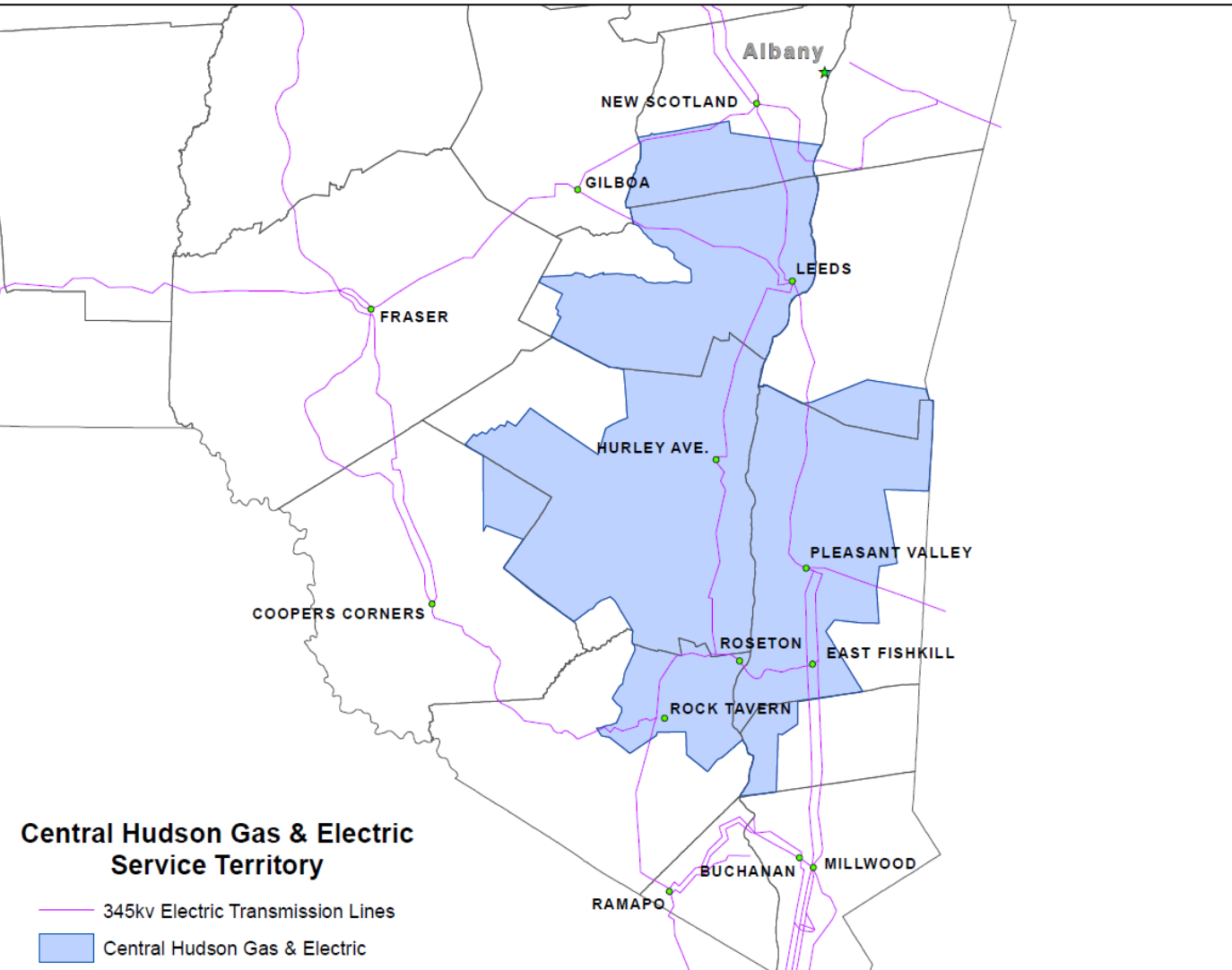
# Central Hudson's Service Territory

Own & Operate approximately ~~566~~ **579** miles of 69 kV, 115 kV & 345 kV transmission lines and three 345 kV substations

Serving ~309,000 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+
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	848
2021	30,919	2,236	1,148	2021-22	23,237	1,506	896
2022	30,505	2,133	1,109	2022-23	23,369	1,580	878
2023	30,206	n/a	1,035				

+ CHG&E Loads not coincident with other NYCA loads

# Forecast Peak Loads

## Summer Forecast

Year	NYCA*	Zone G*	CHG&E+
2024	32,280	2,137	1,072
2025	32,390	2,114	1,064
2026	32,440	2,103	1,056
2027	32,410	2,105	1,051
2028	32,310	2,110	1,048

\* From 2023 “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 115/69 kV Area
  - Newburgh 115 kV Area
  - Eastern Dutchess 69 kV
  - Kingston – Milan 115 kV Area

# Projects Addressing Infrastructure Condition Issues

# Completed Projects

Project	Area	County	Status
Transfer ownership of 115 kV Rock Tavern – Sugarloaf line to NY Transco	n/a	Orange	Completed

# Firm Projects

Project	Area	County	Issue	Status	SIS	Permitting	In Service Date
Retirement of South Cairo Combustion Turbine	Westerlo 69 kV	Greene	DEC Peaker Rule	In-Design Completed	n/a	Local permit may be required	March 2024 Completed
Convert Modena – Galeville – Kerhonkson line from 69 kV to 115 kV	Ellenville 115/69 kV	Ulster	Condition Assessment of Structures and Substation Equipment	Line Construction Largely Complete Completed	n/a	Article VII Approved (Minor change request approved)	June 2024 Completed
Rebuild 69 kV Myers Corners – Knapps Corners	Eastern Dutchess 69 kV	Dutchess	Condition Assessment of Structures	Pre-Construction Completed	n/a	Part 102 Approved	June 2024 Completed
Rebuild 69 kV Hurley Avenue – Saugerties for 115 kV and operate at 69 kV	Northwest 115/69 kV	Ulster Greene	Condition Assessment of Structures	Construction in progress	n/a	Article VII Approved	August 2024

# Firm Projects

Project	Area	County	Issue	Status	SIS	Permitting	In Service Date
Retire 115 kV SD/SJ Sugarloaf – NJ lines	n/a	Orange	Condition Assessment of Structures and Conductor	In Planning	n/a	Local permit may be required	December 2024 2025
Retirement of Cossackie Combustion Turbine	Westerlo 69 kV	Greene	DEC Peaker Rule	In Design	n/a	Local permit may be required	December 2025
Installation of STATCOM and cap bank at New Baltimore Substation	Westerlo 69 kV	Greene	Post Contingency Voltage Support	In Design	n/a	Local permit may be required	December June 2025
Installation of STATCOM and cap bank at South Cairo Substation	Westerlo 69 kV	Greene	Post Contingency Voltage Support	In Design	n/a	Local permit may be required	December June 2025

# Firm Projects

Project	Area	County	Issue	Status	SIS	Permitting	In Service Date
Convert Sturgeon Pool – High Falls - Kerhonkson line from 69 kV to 115 kV	Ellenville 115/69 kV	Ulster	Condition Assessment of Structures and Substation Equipment	Line Construction Largely Complete	n/a	Article VII Approved (may need minor change)	December 2024 2025
Kerhonkson 115/69 kV Substation	Ellenville 115/69 kV	Ulster	Install 2 <b>first</b> 115/69 kV transformer and keep remaining area at 69 kV	<del>In Design</del> Completed	n/a	Article VII Approved (minor change)	<del>December 2024</del> Completed
Kerhonkson 115/69 kV Substation	Ellenville 115/69 kV	Ulster	Install 2 <b>second</b> 115/69 kV transformer and keep remaining area at 69 kV	In Design	n/a	Article VII Approved (minor change)	December 2024 2025
Retire 69 kV GM Clinton Ave Tap	Ellenville 115/69 kV	Ulster	Condition Assessment of Structures	In Design	n/a	Local permit may be required	December 2025
Rebuild 69 kV Saugerties – North Catskill for 115 kV and operate at 69 kV	Northwest 115/69 kV	Ulster Greene	Condition Assessment of Structures	Pre- Construction	n/a	Article VII Approved	June 2026

# Firm Projects

Project	Area	County	Issue	Status	SIS	Permitting	In Service Date
Rebuild 115 kV North Catskill – Churchtown (CHG&E Portion Only)	Northwest 115/69 kV	Greene	Condition Assessment of Structures	In Design	n/a	Part 102 Required; local permitting may be required	March 2027
Rebuild 69 kV HG Line from Honk Falls to Neversink	Ellenville 115/69 kV	Ulster Sullivan	Condition Assessment of Structures	In Design	n/a	Part 102 Required; local permitting may be required	June 2028
Rebuild 115 kV Spackenkill – Knapps Corners	Mid-Dutchess 115 kV	Dutchess	Condition Assessment of Structures	In Design	n/a	Part 102 Required; local permitting may be required	December 2029
Rebuild 69 kV Pleasant Valley – East Park – Staatsburg – Rhinebeck for 115 kV and operate at 69 kV	Eastern Dutchess 69 kV	Dutchess	Condition Assessment of Structures	In Design	n/a	Article VII Required	December 2030

# CLCPA Area of Concern Project



# Firm Project

Project	Area	County	Issue	Status	SIS	Permitting	In Service Date
Rebuild 69 kV North Catskill to Cossackie for 115 kV and operate at 69 kV	Westerlo 69 kV	Greene	Thermal overload due to proposed generation	In Design	n/a	Part 102 Required; local permitting may be required	June 2029

# Comments

Interested parties should forward any comments to:

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