

# Local Transmission Plan

October 2021

Updated February 2022



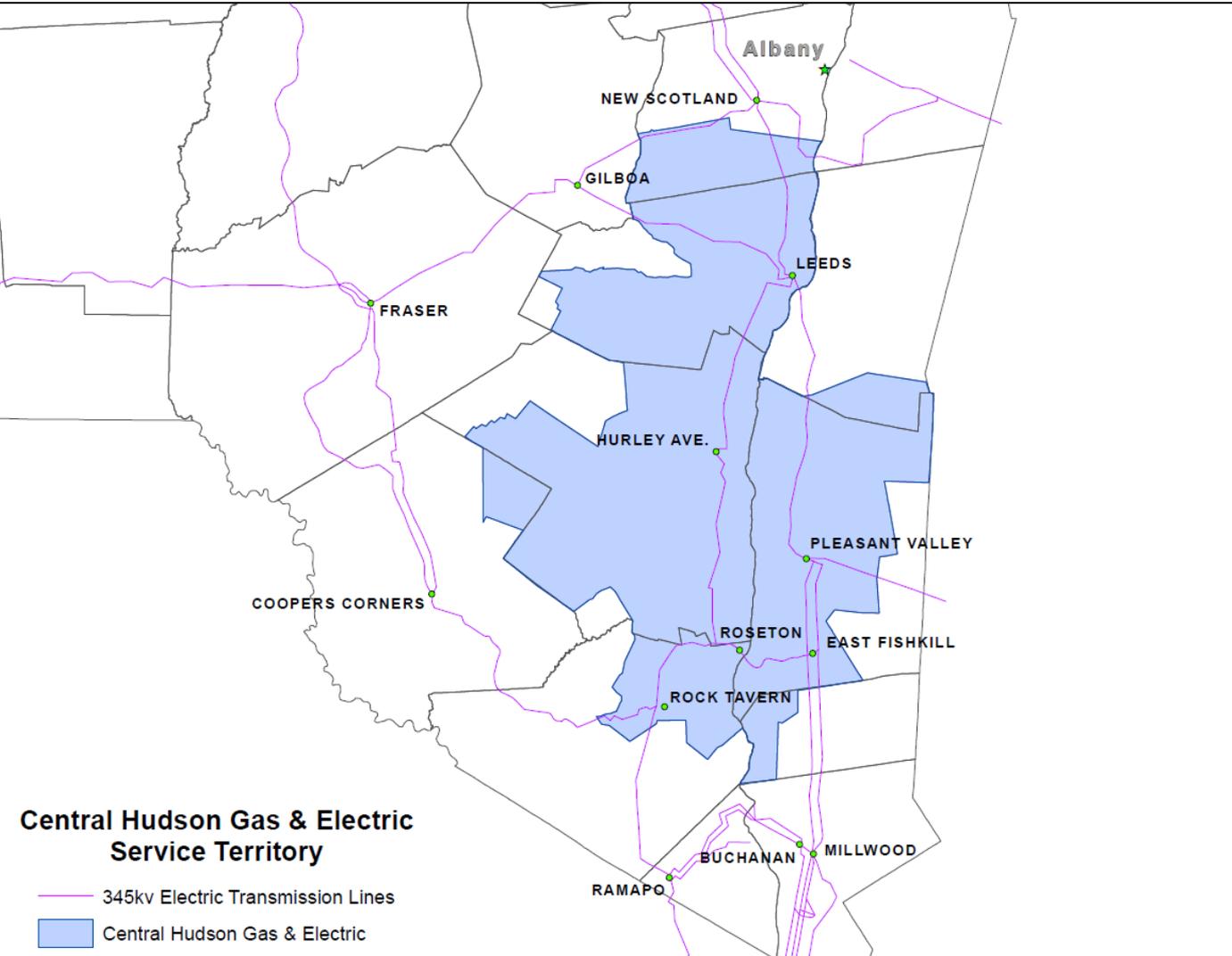
# Central Hudson's Service Territory

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 by 2024.
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 2024 <b>Completed</b>
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 <del>2022</del> <b>2023</b>
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 <del>2025</del>
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 <del>2024</del>
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 <del>2027</del>

# 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 <del>2027</del> 2028

# CLCPA Transmission Projects

This slide is new for the February 2022 update.

Project Name	Proposed in-service date	CLCPA Phase 1	CLCPA Phase 2
KM & TV Line (Knapps Corners - North Chelsea)	2023	Rebuild 69 kV Line	
H & SB Line (Hurley Avenue - North Catskill)	2025	Rebuild 69 kV Line for 115 kV operation and operate at 69 kV	Operate at 115 kV
HG Line (Honk Falls - Neversink)	2027	Rebuild 69 kV Line	
Q Line (Rhinebeck - Pleasant Valley)	2028	Rebuild 69 kV Line	Rebuild for 115 kV operation and operate at 69 kV
SK Line (Knapps Corners - Spackenkill)	2024	Rebuild 115 kV Line	
P & MK @ 115 kV	2023	Install (2) Kerhonkson 115/69 kV auto transformers and operate P&MK lines at 115 kV	
	2024		

## Notes

1. All Phase 1 Projects already included in latest Rate Order – Case 20-E-0428
2. List of Phase 1 Transmission Projects is complete
3. Phase 2 Projects are currently being re-evaluated; therefore, the list is not complete yet

# Comments

Interested parties should forward any comments to:

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