

Executive Strategic Overview: The New York Power Grid at a Critical Crossroads: As of October 2026, the NYISO interconnection queue tracks **103 large-load projects** seeking an unprecedented **18,638 MW** of bulk power interconnection capacity. Driven by hyperscale artificial intelligence compute, semiconductor manufacturing, and industrial electrification, this demand wave collides directly with New York's ambitious Climate Leadership and Community Protection Act (CLCPA) mandates (70% renewable generation by 2030 and zero emissions by 2040).

The Realization Reality: Rigorous empirical screening demonstrates that gross queue asks drastically overstate near-term physical demand. Accounting for historical realization rates (averaging 0.67) and commercial completion probabilities (averaging 32%), AlxEnergy models an expected firm commercial addition of **3,767 MW** from the named queue, rising to a credible cumulative total of **9,658 MW by 2035**.

A Tale of Two Grids: Upstate New York (Zones A–E) possesses over 80% zero-emission energy from Niagara hydro and nuclear, yet is constrained by severe transmission bottlenecks across Central-East and UPNY-SENY corridors. Meanwhile, Downstate (Zones J–K) remains fossil-dependent with strict Locational Capacity Requirements. This master compendium provides decision makers, engineers, and investors with the complete, definitive technical dossier across all 11 zones, 103 requests, and 1,422 substations.

AUTHOR & PUBLISHER:	Clean Energy Research, LLC dba AlxEnergy by Brandon N. Owens monitor.aixenergy.io · Intelligence & Analytics
REPORT INTELLIGENCE:	Independent System Operator: New York ISO (NYISO) Snapshot Vintage: 2026-10-01 · Model Engine: ELL-2.1.0 Publication Series: AlxEnergy Institutional Grid Intelligence Dossier

Screening-level intelligence built from public regulatory filings, interconnection queues, and power flow data. Not an interconnection study, a will-serve determination, or a guarantee of any outcome. Produced by Clean Energy Research, LLC dba AlxEnergy by Brandon N. Owens.

Part I: Executive Overview & Macro Power Grid Architecture

This institutional intelligence report synthesizes all public regulatory filings, NYISO interconnection queues, hourly bulk-power dispatch simulations, and substation capacity disclosures into a single master document. The table below contrasts the raw, undiscounted queue total against AixEnergy's probability-weighted and load-realization-adjusted firm capacity outlook.

18,638 MW GROSS REQUESTED MW Raw, unadjusted queue face-value	3,767 MW EXPECTED EVENTUAL MW Net realized & probability adjusted	250 / 4,164 MW EXPECTED 24M / 60M Near-term vs medium-term additions	9,658 MW CREDIBLE-TOTAL 2035 Named pipeline + statistical layer
--	--	---	--

Active De-duplicated Requests	103
Gross Requested Interconnection Capacity	18,638 MW
Average Commercial Energization Probability P(eventual)	32%
Average Empirical Load Realization Factor	0.67
Net Expected Firm Addition (Eventual)	3,767 MW
Near-Term Outlook (within 24 months)	250 MW
Medium-Term Outlook (within 60 months)	4,164 MW
Credible-Total Cumulative Addition by 2035	9,658 MW
2025 New York State Energy Plan Benchmark (2035)	2,567 MW (official planning summer peak)

1.1 Queue Breakdown by Load Classification

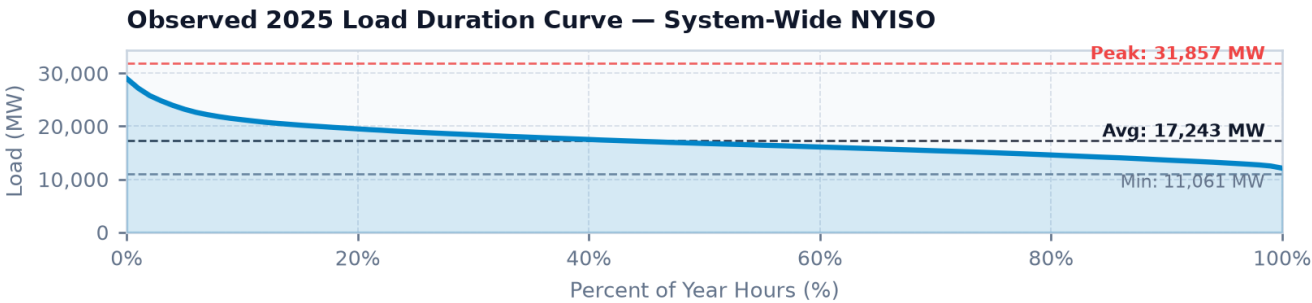
Data centers and high-density computing account for the vast majority of requested megawatts, but face regulatory scrutiny under Executive Order 62 and DPS Case 26-E-0045 cluster study rules. Industrial manufacturing, semiconductor fabs, and clean hydrogen demonstrate higher realization commitments.

Load Classification	Active Requests	Gross Requested MW	Net Expected Eventual MW
Generic data center	42	6,665	1,125
Other large load	40	4,845	1,177
AI training data center	8	4,357	851
Crypto data center	5	1,095	266
Multi tenant data center	3	150	24
Semiconductor fab	2	1,056	243
Industrial manufacturing	1	60	25
Hyperscale data center	1	300	34
Hydrogen	1	110	21

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

1.2 Observed 2025 NYISO System-Wide Load Duration Curve

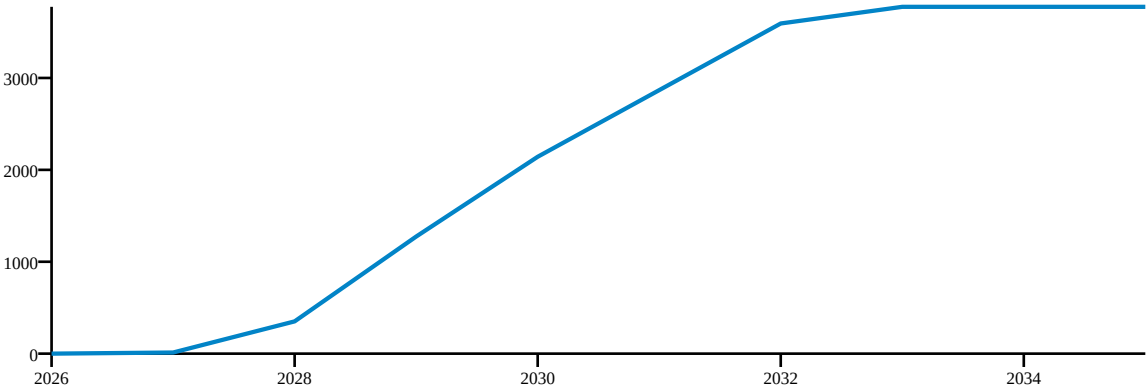
The system-wide Load Duration Curve (LDC) displays all 8,760 hours of observed 2025 demand across the full NYISO footprint, sorted descending from coincident peak (31,857 MW) to minimum base load (11,061 MW). The system achieved an annual load factor of 54% with an average hourly demand of 17,243 MW.



Part II: Long-Term Horizon Forecast & Scenario Analysis (2026–2035)

AixEnergy models long-term large load growth through an explicit dual-layer methodology: 1) **Known Pipeline**: Bottom-up probability and timing S-curves applied to every named interconnection filing; 2) **Statistical Layer**: Econometric extrapolation capturing future unannounced large-load filings under current policy.

Cumulative Expected Large-Load MW (Named Pipeline)



Year	Gross Incr. MW	Pre-Realiz. MW	BYOG Offset	Expected Incr. (Net)	Cumulative MW
2026	16,679	0	0	0	0
2027	570	20	0	12	12
2028	0	526	0	339	351
2029	589	1,434	0	923	1,274
2030	800	1,351	0	868	2,142
2031	0	1,126	0	725	2,868
2032	0	1,126	0	725	3,593
2033	0	281	0	181	3,774
2034	0	0	0	0	3,774
2035	0	0	0	0	3,774

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

2.1 Credible-Total Forecast (Named Pipeline + Statistical Layer)

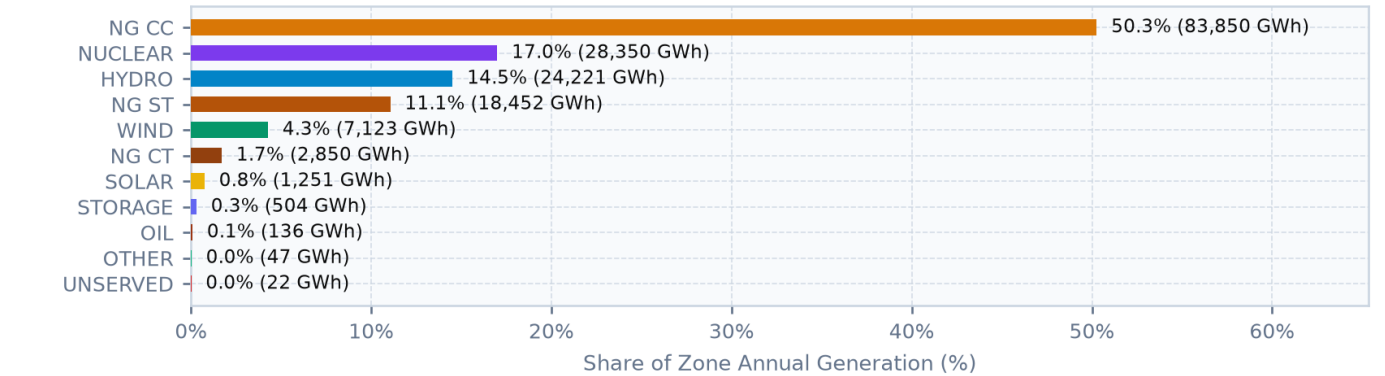
Year	Known Pipeline MW	Statistical Layer MW	Annual Total MW	Cumulative Credible Total MW
2026	0	0	0	0
2027	12	118	130	130
2028	339	267	606	736
2029	923	622	1,545	2,281
2030	868	800	1,668	3,950
2031	725	815	1,540	5,490
2032	725	817	1,542	7,032
2033	181	814	996	8,028
2034	0	814	814	8,842
2035	0	815	815	9,658

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Part III: Chronological Dispatch Simulation & Wholesale Power Markets

To evaluate bulk power system reliability and emissions impacts, AixEnergy executes an 8,760-hour chronological dispatch simulation of the 11-zone NYISO transport network using PyPSA and the HiGHS linear programming solver. Hydro, nuclear, and run-of-river renewables replay real observed 2025 hourly output shapes, while natural gas, peakers, and battery storage are dispatched based on hourly system marginal economics.

Annual Dispatch Generation Mix by Technology



Generation Technology	Simulated Annual Output	NYISO Fleet Share
NG CC	83,850.5 GWh	50.3%
NUCLEAR	28,349.8 GWh	17.0%
HYDRO	24,220.8 GWh	14.5%
NG ST	18,452.1 GWh	11.1%
WIND	7,123.1 GWh	4.3%
NG CT	2,849.6 GWh	1.7%
SOLAR	1,251.4 GWh	0.8%
STORAGE	504.3 GWh	0.3%
OIL	135.8 GWh	0.1%
OTHER	46.8 GWh	0.0%
UNSERVED	21.9 GWh	0.0%

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

3.1 2025 Wholesale Energy Price Overlays by Zone

Historical wholesale energy pricing reflects real 2025 Day-Ahead Locational Based Marginal Prices (LBMP) weighted against real hourly demand, alongside simulated dispatch marginal costs. Upstate zones (A, D, E) enjoy significant price discounts relative to Downstate (J, K) due to localized clean generation and transmission export limits.

Zone	Load-Weighted Price	Avg Day-Ahead Price	Avg Real-Time Price	Simulated Marginal	Marginal Fuel
A	\$55.27/MWh	\$52.85/MWh	\$51.74/MWh	\$56.01/MWh	NG CC
B	\$58.87/MWh	\$54.31/MWh	\$54.07/MWh	\$56.01/MWh	NG CC
C	\$61.30/MWh	\$56.24/MWh	\$56.26/MWh	\$56.01/MWh	NG CC
D	\$58.42/MWh	\$56.79/MWh	\$56.54/MWh	\$56.01/MWh	NG CC
E	\$66.07/MWh	\$59.11/MWh	\$58.87/MWh	\$56.01/MWh	NG CC
F	\$72.17/MWh	\$65.11/MWh	\$63.40/MWh	\$56.01/MWh	NG CC
G	\$69.09/MWh	\$62.35/MWh	\$61.92/MWh	\$56.01/MWh	NG CC
H	\$71.41/MWh	\$63.13/MWh	\$63.23/MWh	\$56.01/MWh	NG CC
I	\$69.07/MWh	\$63.39/MWh	\$64.19/MWh	\$87.32/MWh	NG CT

Zone	Load-Weighted Price	Avg Day-Ahead Price	Avg Real-Time Price	Simulated Marginal	Marginal Fuel
J	\$69.45/MWh	\$65.38/MWh	\$67.11/MWh	\$87.32/MWh	NG CT
K	\$75.60/MWh	\$68.82/MWh	\$70.28/MWh	\$87.32/MWh	NG CT

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Part IV: Bulk Transmission Corridors & Interface Transfer Capabilities

New York's bulk power transmission grid is divided by critical physical interfaces that govern power transfers from upstate generation surpluses to downstate load centers. The table below details normal transfer limits, observed 2025 peak flows, and binding congestion hours across key transmission interfaces.

Interface Corridor	Transfer Limit (MW)	Peak Flow (MW)	Avg Flow (MW)	2025 Binding Hours
SCH - PJM_NEPTUNE	660	660	618	5,511
SCH - PJM_VFT	315	315	281	5,064
SCH - PJM_HTP	660	660	450	2,860
SCH - NPX_CSC	330	330	166	2,855
SCH - NPX_1385	200	200	-8	340
SCH - HQ_CEDARS	279	277	-38	155
SCH - HQ - NY	1,500	1,500	-508	53
SCH - HQ_IMPORT_EXPORT	1,310	1,310	-526	7
CENTRAL EAST - VC	3,740	3,359	1,664	6
SCH - PJ - NY	2,400	2,186	1,132	4
SCH - OH - NY	2,200	1,902	759	1
DYSINGER EAST	3,200	2,755	804	0
MOSES SOUTH	3,350	2,354	-188	0
SCH - NE - NY	1,400	1,191	-657	0
SPR/DUN-SOUTH	4,600	3,772	1,851	0
TOTAL EAST	7,550	6,275	3,129	0
UPNY CONED	7,630	6,263	3,003	0
WEST CENTRAL	-	1,942	340	0

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Part V: Zonal Intelligence Dossiers (11 Reliability Zones)

Comprehensive zonal dossiers for all 11 NYISO load zones and hubs. Each profile incorporates regional transmission GIS mapping, deliverability headroom metrics, generation fuel mixes, observed load duration curves, and the complete local large-load interconnection project pipeline.

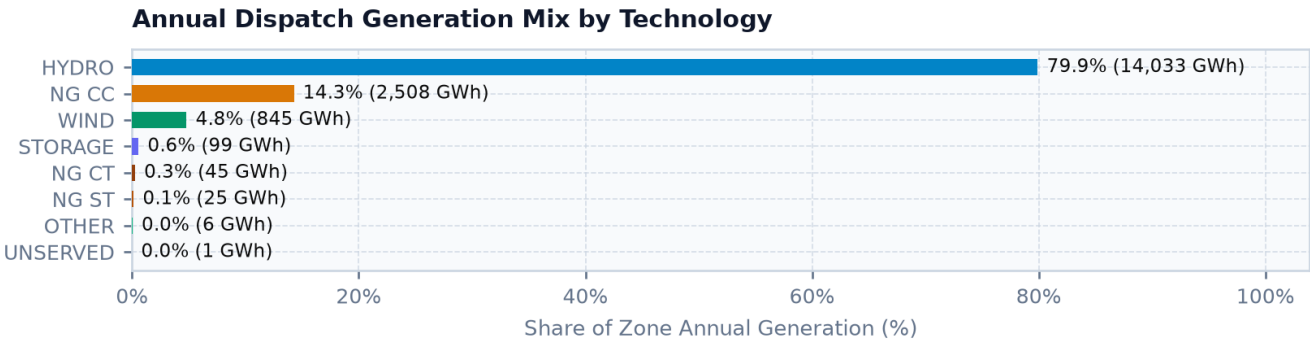
Zone A: WEST — Comprehensive Grid Dossier

17 TRACKED REQUESTS Active projects in zone	3,798 MW GROSS REQUESTED Undiscounted queue total	553 MW EXPECTED EVENTUAL Probability & realization adjusted	2,711 MW 2025 PEAK LOAD Load factor: 64%
---	---	---	--

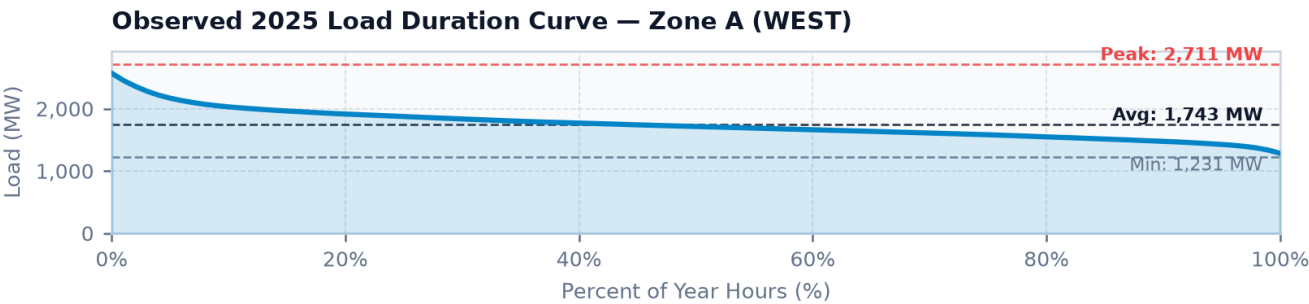


Locality / Capacity Region	NYISO Rest of State
Locational Capacity Requirement (LCR)	—
Deliverability Index (–1 tight → +1 loose)	0.94
Generation-Supply Index (–1 weak → +1 strong)	-0.65
Queued Generation MW in Zone	2,720
Queued Large-Load MW in Zone	3,798
Expected MW (within 24 Months)	7
Expected MW (within 60 Months)	379

Simulated Fleet Generation Mix



Observed 2025 Load Duration Curve



Active Large-Load Interconnection Requests in Zone A

Project Name	County	Utility	Req. MW	P(eventual)	Net Real. MW	Exp. Energ.	Critical Path
North East Data LLC Data Center	Niagara	National Grid	500	32%	300	2030-12-01	Transmission substation
Olean Digital Data Center	Cattaraugus	National Grid	300	23%	240	2030-12-01	Transmission substation
Fluidstack		National Grid	438	23%	228	2030-12-01	Transmission substation
Data & Technology Campus	Erie	National Grid	300	29%	180	2030-12-01	Transmission substation
Globe DH 3	niagara falls	National Grid	200	46%	110	2030-12-01	Transmission substation
Fluidstack		National Grid	438	20%	228	2030-12-01	Transmission substation
Wulf Compute Data Center II	Niagara	NYSEG	250	30%	138	2030-12-01	Transmission substation
Lake Mariner Data II	Niagara	NYSEG	250	28%	138	2030-12-01	Transmission substation
Somerset Load	Niagara	NYSEG	250	25%	130	2030-12-01	Transmission substation
Niagara Digital Campus	Niagara	National Grid	140	31%	84	2030-12-01	Transmission substation
H5 Data Centers	Niagara	National Grid	44	55%	42	2029-10-01	Unknown
Verizon - Project Oasis	Niagara	NYSEG	75	29%	60	2030-12-01	Transmission substation
Stream Data Centers	Alabama	National Grid	50	50%	26	2030-12-01	Transmission substation
Digihost load	Niagara	National Grid	50	23%	26	2030-12-01	Transmission substation
Stream Data Centers	Alabama	National Grid	25	35%	10	2029-10-01	Unknown

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Zone B: GENESE — Comprehensive Grid Dossier

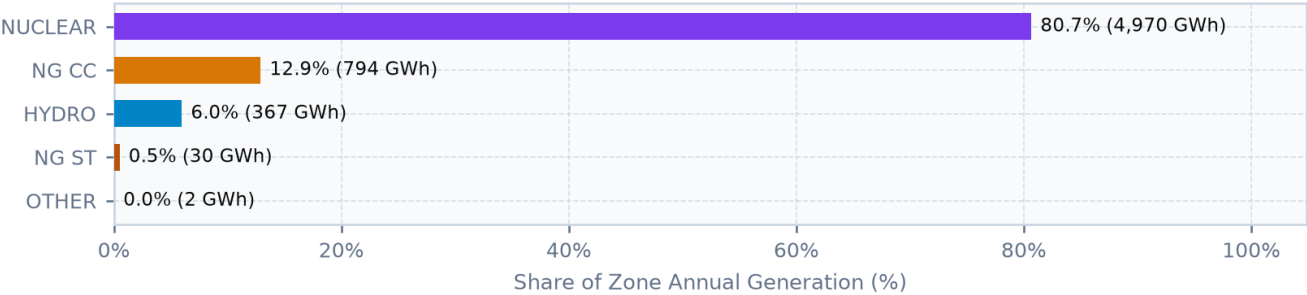
3	625 MW	144 MW	2,007 MW
TRACKED REQUESTS	GROSS REQUESTED	EXPECTED EVENTUAL	2025 PEAK LOAD
Active projects in zone	Undiscounted queue total	Probability & realization adjusted	Load factor: 53%



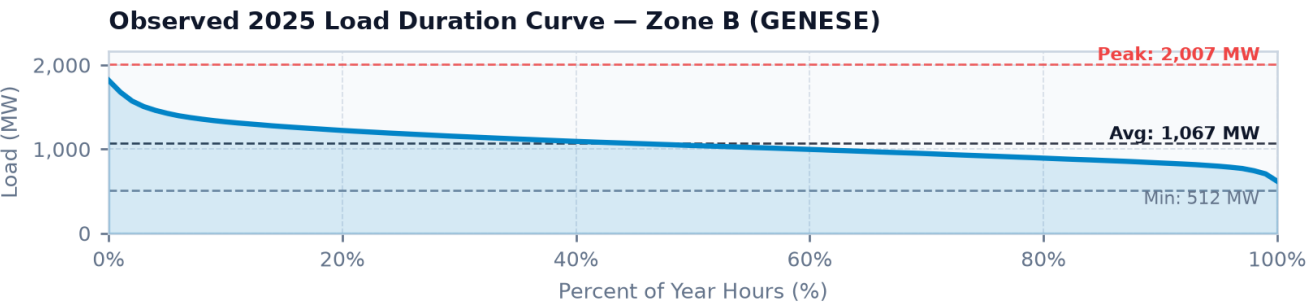
Locality / Capacity Region	NYISO Rest of State
Locational Capacity Requirement (LCR)	—
Deliverability Index (–1 tight → +1 loose)	0.99
Generation-Supply Index (–1 weak → +1 strong)	0.63
Queued Generation MW in Zone	2,054
Queued Large-Load MW in Zone	625
Expected MW (within 24 Months)	2
Expected MW (within 60 Months)	98

Simulated Fleet Generation Mix

Annual Dispatch Generation Mix by Technology



Observed 2025 Load Duration Curve



Active Large-Load Interconnection Requests in Zone B

Project Name	County	Utility	Req. MW	P(eventual)	Net Real. MW	Exp. Energ.	Critical Path
WNY STAMP	Genesee	NYPA	300	41%	180	2030-12-01	Transmission substation
580 STAMP load increase	Genesee	National Grid	300	35%	180	2030-12-01	Transmission substation
University of Rochester	Monroe	NYSEG	25	38%	20	2029-10-01	Unknown

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Zone C: CENTRL — Comprehensive Grid Dossier

16

TRACKED REQUESTS

Active projects in zone

3,712 MW

GROSS REQUESTED

Undiscounted queue total

714 MW

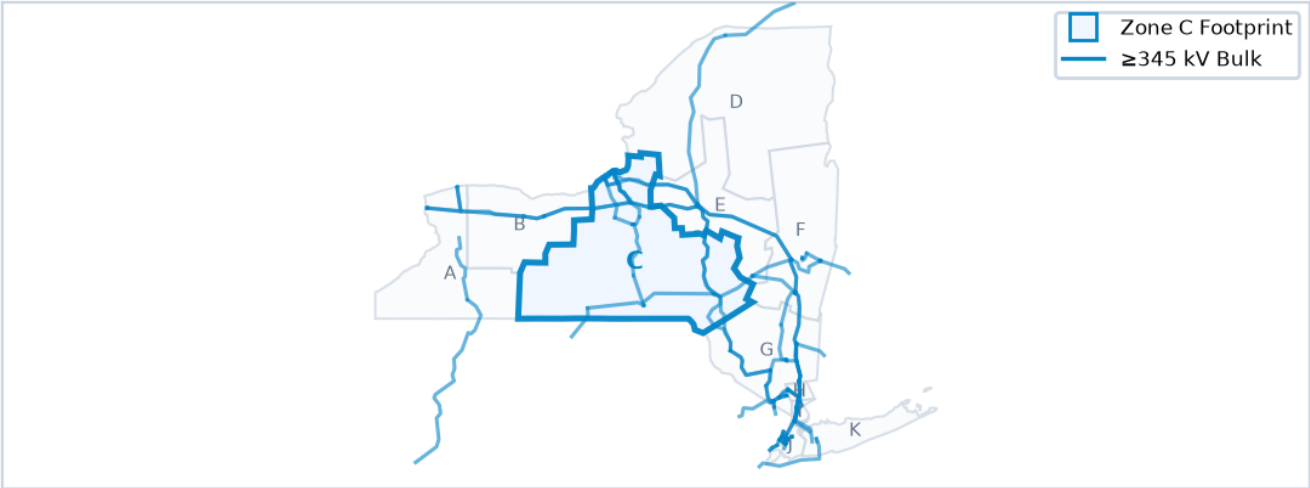
EXPECTED EVENTUAL

Probability & realization adjusted

2,764 MW

2025 PEAK LOAD

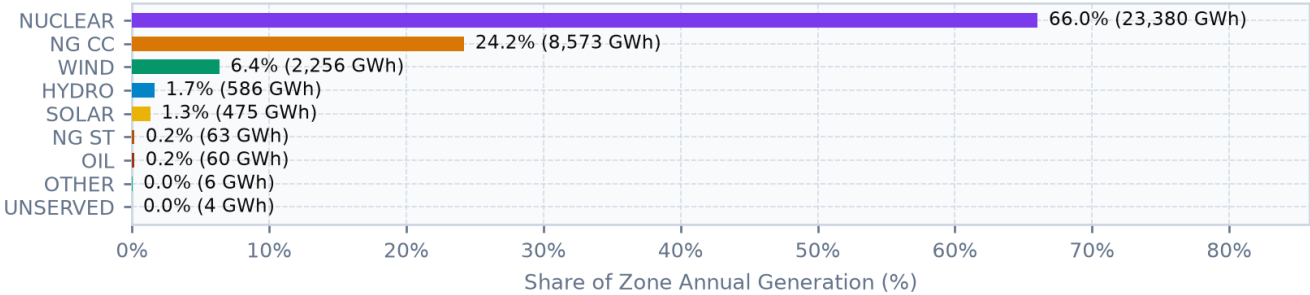
Load factor: 61%



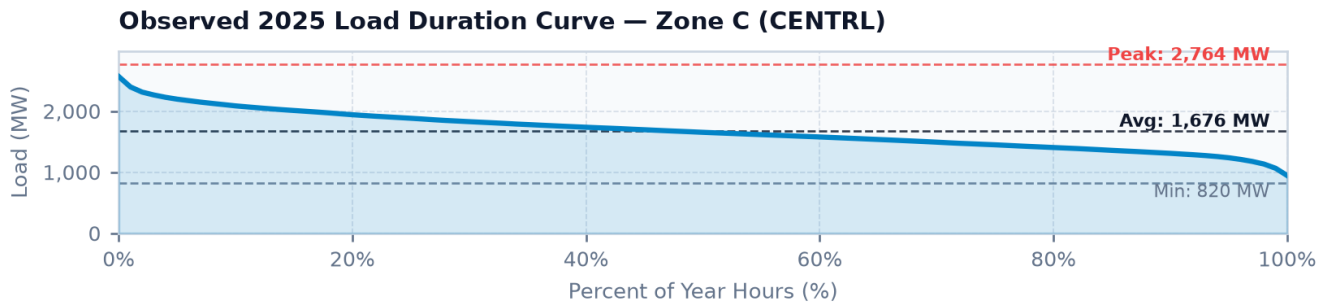
Locality / Capacity Region	NYISO Rest of State
Locational Capacity Requirement (LCR)	—
Deliverability Index (–1 tight → +1 loose)	0.81
Generation-Supply Index (–1 weak → +1 strong)	-0.39
Queued Generation MW in Zone	4,551
Queued Large-Load MW in Zone	3,712
Expected MW (within 24 Months)	61
Expected MW (within 60 Months)	538

Simulated Fleet Generation Mix

Annual Dispatch Generation Mix by Technology



Observed 2025 Load Duration Curve



Active Large-Load Interconnection Requests in Zone C

Project Name	County	Utility	Req. MW	P(eventual)	Net Real. MW	Exp. Energ.	Critical Path
Micron Fab 2	Onondaga	National Grid	576	27%	490	2030-12-01	Transmission substation
White Pine Phase 1	Onondaga	National Grid	480	27%	408	2030-12-01	Transmission substation
Broome County Tech Park	Broome	NYSEG	250	42%	200	2030-12-01	Transmission substation
TeraWulf	Lansing	NYSEG	320	49%	166	2030-12-01	Transmission substation
Patriot Forge	Tioga	NYSEG	350	21%	280	2029-01-01	Regulatory moratorium
Ranalli SuperDC	Onondaga	NYPA	270	37%	162	2030-12-01	Transmission substation
Hyperscale Cloud Offtaker	Oswego County	National Grid	300	29%	117	2029-01-01	Regulatory moratorium
Highwall Data Center	Clearfield	NYSEG	400	14%	240	2029-01-01	Regulatory moratorium
Cayuga Data	Tompkins	NYSEG	162	25%	89	2030-12-01	Transmission substation
OOWWTP Expansion Program	Onondaga	National Grid	50	42%	40	2030-12-01	Transmission substation
Greenidge Load	Yates	NYSEG	60	31%	48	2030-12-01	Transmission substation
Cayuga Data Center LLC	Tompkins County	NYSEG	100	24%	60	2029-01-01	Regulatory moratorium
Greenidge Generation Holdings Inc.	Yates County	NYSEG	106	18%	76	2029-01-01	Regulatory moratorium
Cayuga Compute	Tompkins	NYSEG	88	24%	53	2030-12-01	Transmission substation
Cayuga Load	Cayuga	NYSEG	50	31%	40	2030-12-01	Transmission substation

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Zone D: NORTH — Comprehensive Grid Dossier

8

TRACKED REQUESTS

Active projects in zone

3,190 MW

GROSS REQUESTED

Undiscounted queue total

732 MW

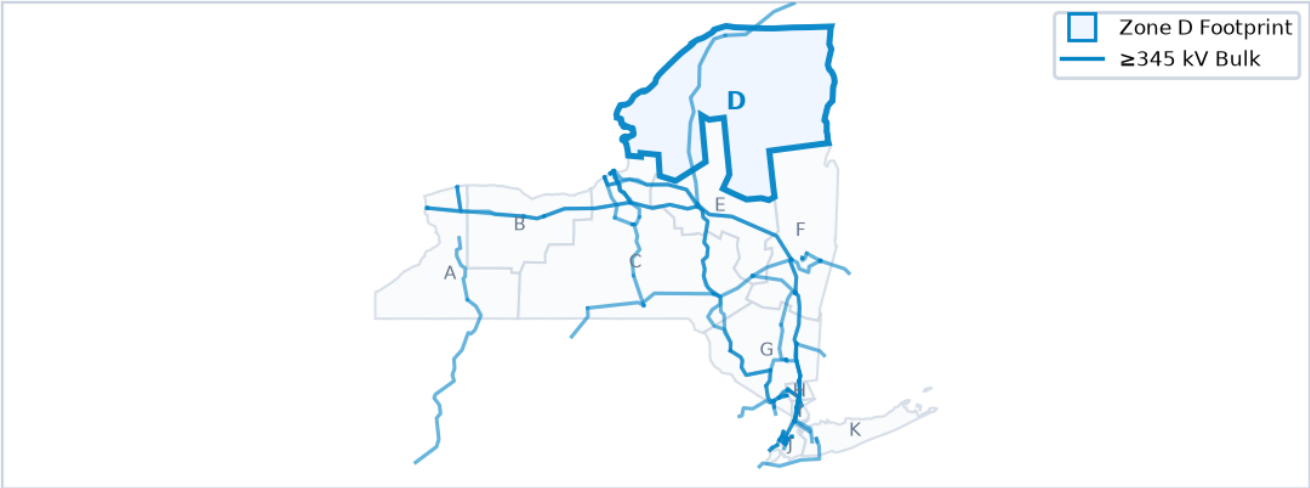
EXPECTED EVENTUAL

Probability & realization adjusted

827 MW

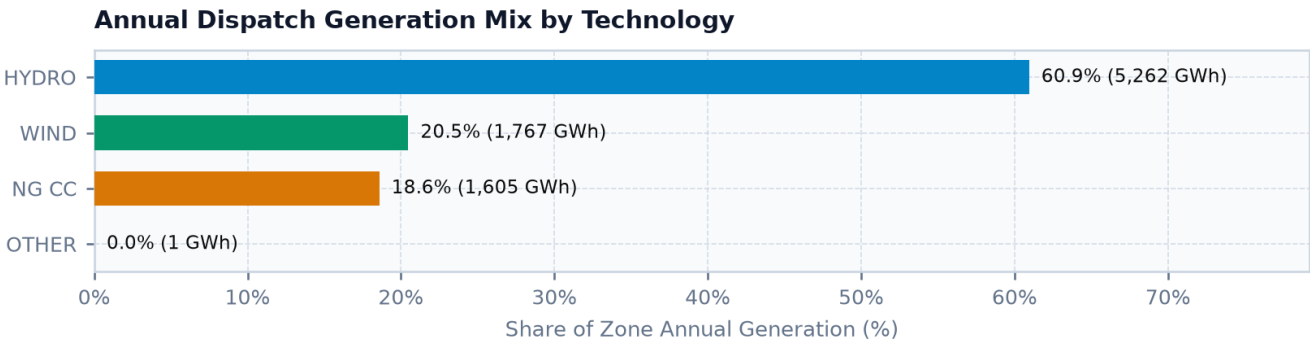
2025 PEAK LOAD

Load factor: 75%

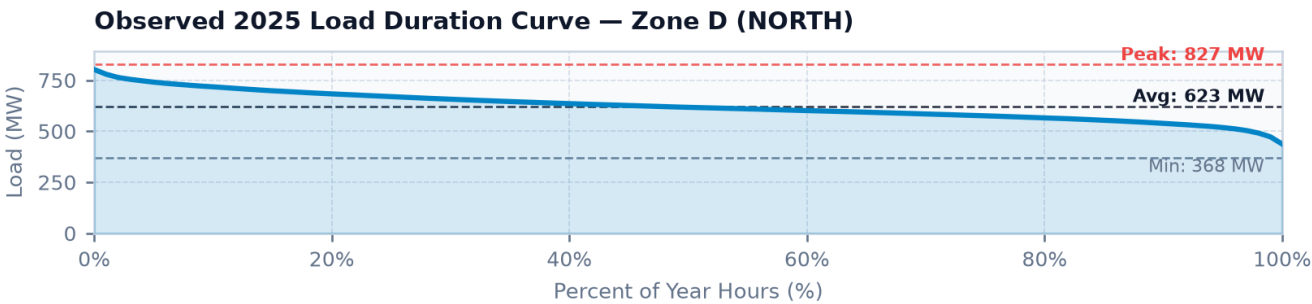


Locality / Capacity Region	NYISO Rest of State
Locational Capacity Requirement (LCR)	—
Deliverability Index (–1 tight → +1 loose)	0.95
Generation-Supply Index (–1 weak → +1 strong)	-0.65
Queued Generation MW in Zone	2,165
Queued Large-Load MW in Zone	3,090
Expected MW (within 24 Months)	0
Expected MW (within 60 Months)	497

Simulated Fleet Generation Mix



Observed 2025 Load Duration Curve



Active Large-Load Interconnection Requests in Zone D

Project Name	County	Utility	Req. MW	P(eventual)	Net Real. MW	Exp. Energ.	Critical Path
St. Lawrence Infrastructure 2	St. Lawrence	NYPA	1,935	40%	1,064	2030-12-01	Transmission substation
North Country Data Center	St. Lawrence	NYPA	435	37%	348	2030-12-01	Transmission substation
St Lawrence Data and Agricultural Center	St. Lawrence	National Grid	200	31%	160	2030-12-01	Transmission substation
Alcoa East Energy Allocation Project	St. Lawrence	NYPA	200	28%	160	2030-12-01	Transmission substation
Massena Development LLC Power Allocation	St; Lawrence	NYPA	200	36%	120	2030-12-01	Transmission substation
SDC St. Lawrence	St. Lawrence	NYPA	120	30%	72	2030-12-01	Transmission substation
			50	29%	40	2030-12-01	Transmission substation
			50	29%	26	2030-12-01	Transmission substation

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

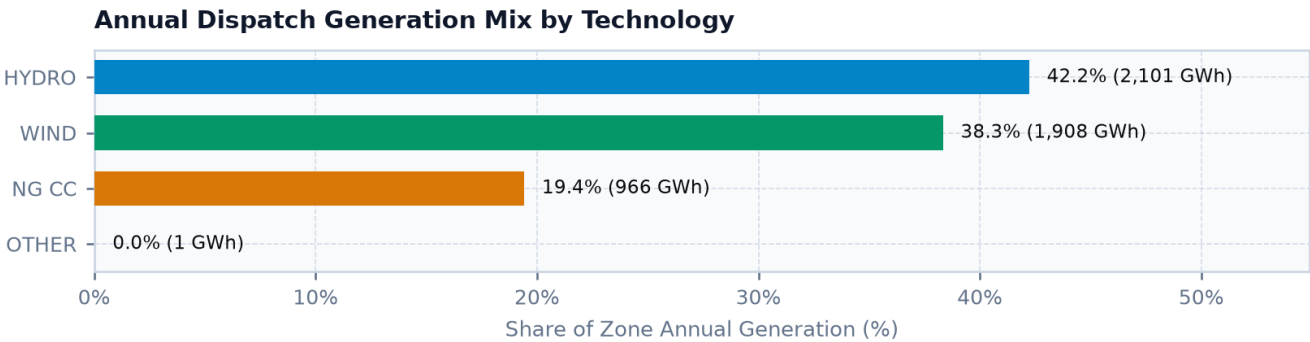
Zone E: MHK_VL — Comprehensive Grid Dossier

14 TRACKED REQUESTS Active projects in zone	2,799 MW GROSS REQUESTED Undiscounted queue total	558 MW EXPECTED EVENTUAL Probability & realization adjusted	1,396 MW 2025 PEAK LOAD Load factor: 59%
--	--	--	---

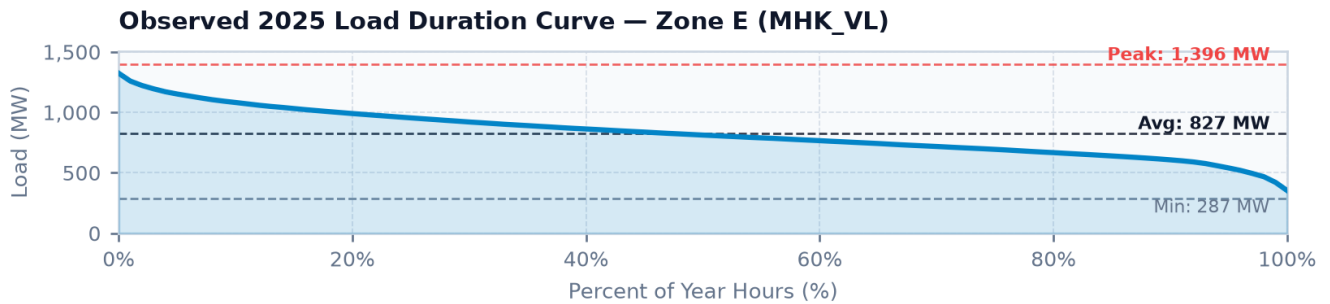


Locality / Capacity Region	NYISO Rest of State
Locational Capacity Requirement (LCR)	—
Deliverability Index (–1 tight → +1 loose)	0.96
Generation-Supply Index (–1 weak → +1 strong)	-0.64
Queued Generation MW in Zone	2,021
Queued Large-Load MW in Zone	2,749
Expected MW (within 24 Months)	10
Expected MW (within 60 Months)	382

Simulated Fleet Generation Mix



Observed 2025 Load Duration Curve



Active Large-Load Interconnection Requests in Zone E

Project Name	County	Utility	Req. MW	P(eventual)	Net Real. MW	Exp. Energ.	Critical Path
St. Lawrence Infrastructure 1	St. Lawrence	NYPA	860	36%	473	2030-12-01	Transmission substation
Incremental Load Request for Remington Factory Redevelopment	Herkimer	NYPA	400	39%	240	2030-12-01	Transmission substation
Arsenal Data Site 1000	St Lawrence	NYPA	467	27%	257	2030-12-01	Transmission substation
Pontoon Bridge Road Data Center	St Lawrence	NYPA	250	44%	150	2030-12-01	Transmission substation
Arsenal Data Site 500	St Lawrence	NYPA	233	27%	128	2030-12-01	Transmission substation
Remington Factory Redevelopment	Herkimer	NYPA ,National Grid	100	37%	60	2030-12-01	Transmission substation
Massena Green Hydrogen	St Lawrence	NYPA	110	38%	55	2030-12-01	Transmission substation
Griffiss Park Triangle Development	Oneida	National Grid	66	39%	53	2030-12-01	Transmission substation
Massena Load	St. Lawrence	National Grid	100	24%	80	2030-12-01	Transmission substation
Concord Casino	Sullivan	NYSEG	48	35%	38	2029-10-01	Unknown
Interconnection Customer		Transmission Operator	50	39%	26	2030-12-01	Transmission substation
			50	25%	26	2027-12-01	Utility study
Kilbourne Graphite Concentrator Plant	ST LAWRENCE	National Grid	15	51%	12	2029-10-01	Unknown
Interconnection Customer		Transmission Operator	50	19%	26	2030-12-01	Transmission substation

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Zone F: CAPITL — Comprehensive Grid Dossier

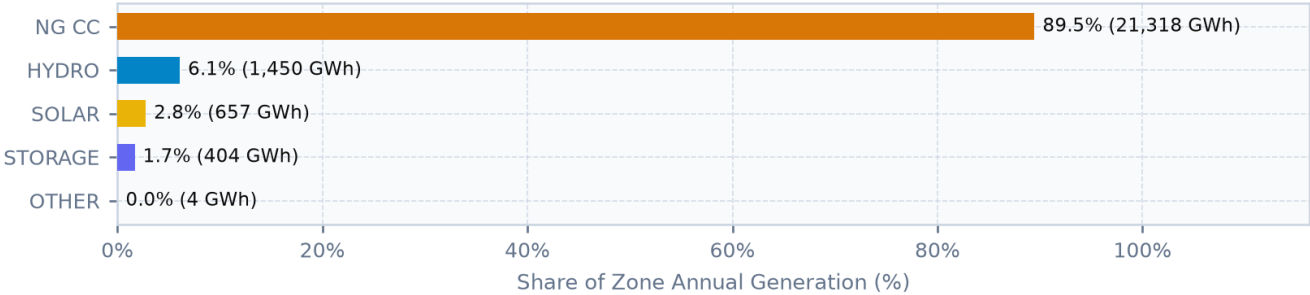
12 TRACKED REQUESTS Active projects in zone	1,579 MW GROSS REQUESTED Undiscounted queue total	524 MW EXPECTED EVENTUAL Probability & realization adjusted	2,404 MW 2025 PEAK LOAD Load factor: 55%
--	--	--	---



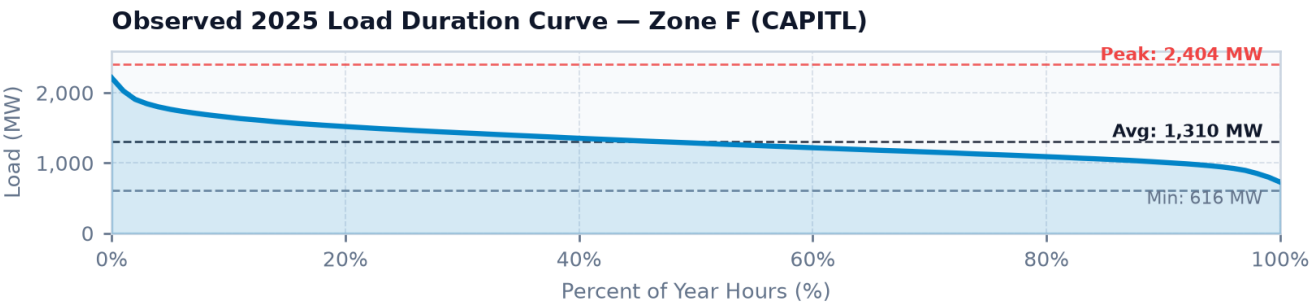
Locality / Capacity Region	NYISO Rest of State
Locational Capacity Requirement (LCR)	—
Deliverability Index (–1 tight → +1 loose)	0.94
Generation-Supply Index (–1 weak → +1 strong)	-0.60
Queued Generation MW in Zone	1,270
Queued Large-Load MW in Zone	1,579
Expected MW (within 24 Months)	15
Expected MW (within 60 Months)	362

Simulated Fleet Generation Mix

Annual Dispatch Generation Mix by Technology



Observed 2025 Load Duration Curve



Active Large-Load Interconnection Requests in Zone F

Project Name	County	Utility	Req. MW	P(eventual)	Net Real. MW	Exp. Energ.	Critical Path
NY-Route 9W Load Center	Greene	National Grid	1,000	44%	800	2030-12-01	Transmission substation
Kenwood Tech Center	Albany	National Grid	180	38%	108	2030-12-01	Transmission substation
Site Master Plan Expansion Phase II	Albany	National Grid	90	44%	72	2030-12-01	Transmission substation
AI Tech Steel Site	Albany	National Grid	60	49%	51	2030-12-01	Transmission substation
Site Master Plan Expansion Phase I	Albany	National Grid	45	49%	36	2029-10-01	Unknown
Saratoga Expansion	Saratoga	National Grid	40	43%	32	2029-10-01	Unknown
POWI Project	Albany	National Grid	50	32%	40	2030-12-01	Transmission substation
New York State Dept. of Health Lab (Harriman Campus, Albany NY)	Albany	National Grid	20	49%	16	2029-10-01	Unknown
GE Vernova 2690 Balltown Road High Yard Upgrade	Schenectady	National Grid	20	49%	16	2029-10-01	Unknown
Luther Forest	Saratoga	National Grid	40	31%	21	2029-10-01	Unknown
IGTS Wright EMD Compressor	Schoharie	National Grid	14	35%	11	2029-10-01	Unknown
Green Island Power	Albany	National Grid	20	37%	10	2029-10-01	Unknown

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Zone G: HUD_VL — Comprehensive Grid Dossier

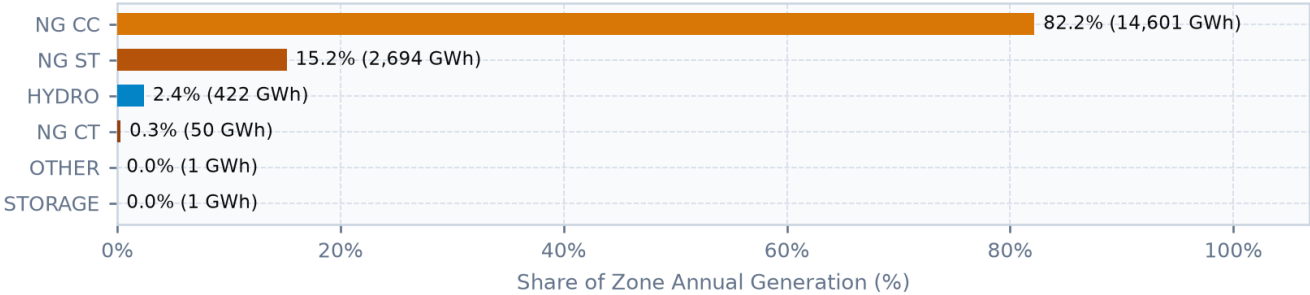
12 TRACKED REQUESTS Active projects in zone	719 MW GROSS REQUESTED Undiscounted queue total	96 MW EXPECTED EVENTUAL Probability & realization adjusted	2,364 MW 2025 PEAK LOAD Load factor: 45%
---	---	--	--



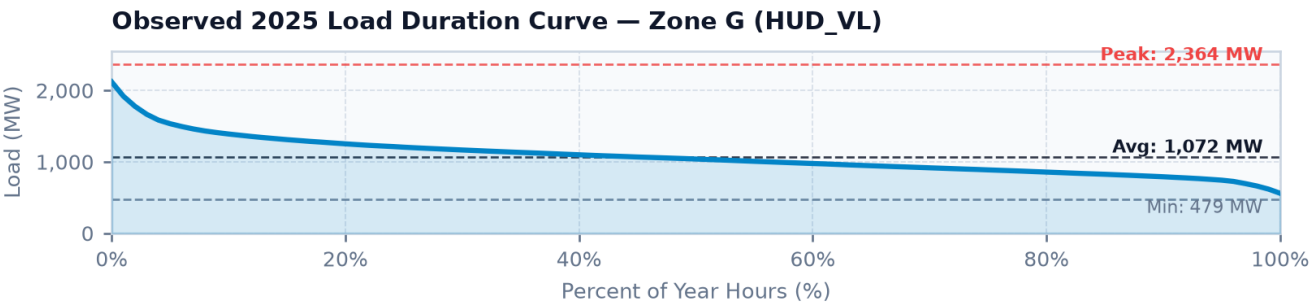
Locality / Capacity Region	Lower Hudson Valley (G-J Locality)
Locational Capacity Requirement (LCR)	82.5%
Deliverability Index (–1 tight → +1 loose)	0.36
Generation-Supply Index (–1 weak → +1 strong)	0.62
Queued Generation MW in Zone	2,348
Queued Large-Load MW in Zone	719
Expected MW (within 24 Months)	20
Expected MW (within 60 Months)	78

Simulated Fleet Generation Mix

Annual Dispatch Generation Mix by Technology



Observed 2025 Load Duration Curve



Active Large-Load Interconnection Requests in Zone G

Project Name	County	Utility	Req. MW	P(eventual)	Net Real. MW	Exp. Energ.	Critical Path
Suffern Quarry Data Center	Rockland	O&R;	200	19%	160	2030-12-01	Transmission substation
iPark 84 Data Center Interconnection	Dutchess	Central Hudson	150	11%	90	2029-01-01	Regulatory moratorium
DataBank	Rockland	O&R;	20	51%	19	2029-10-01	Unknown
JPMorgan Chase	Orangeburg	O&R;	50	24%	36	2029-01-01	Regulatory moratorium
Hudson Valley Data Center	Rockland	O&R;	50	21%	30	2030-12-01	Transmission substation
Orangeburg Expansion Phase 2	Orange	O&R;	30	21%	24	2029-10-01	Unknown
IBM	Poughkeepsie	Central Hudson	50	24%	20	2029-01-01	Regulatory moratorium
Treetop Development	East Fishkill	Central Hudson	50	24%	20	2029-01-01	Regulatory moratorium
1547 CSR - Orangeburg LLC	Rockland	O&R;	30	26%	18	2029-10-01	Unknown
Project Sycamore Orangeburg	Rockland	O&R;	22	32%	13	2029-10-01	Unknown
Equity Suffern Developers, LLC	Rockland	O&R;	50	16%	26	2027-12-01	Utility study
GTS Dover EMD Compressor	Dutchess	Con Edison	16	30%	13	2029-10-01	Unknown

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Zone H: MILLWD — Comprehensive Grid Dossier

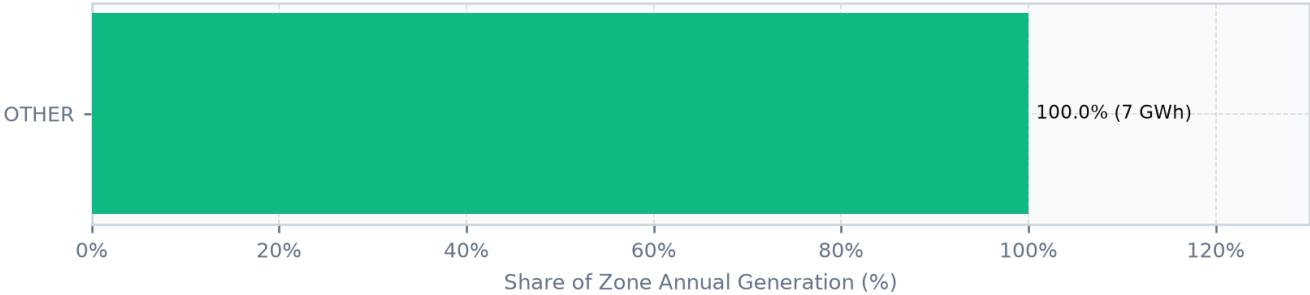
2 TRACKED REQUESTS Active projects in zone	1,200 MW GROSS REQUESTED Undiscounted queue total	184 MW EXPECTED EVENTUAL Probability & realization adjusted	676 MW 2025 PEAK LOAD Load factor: 46%
---	--	--	---



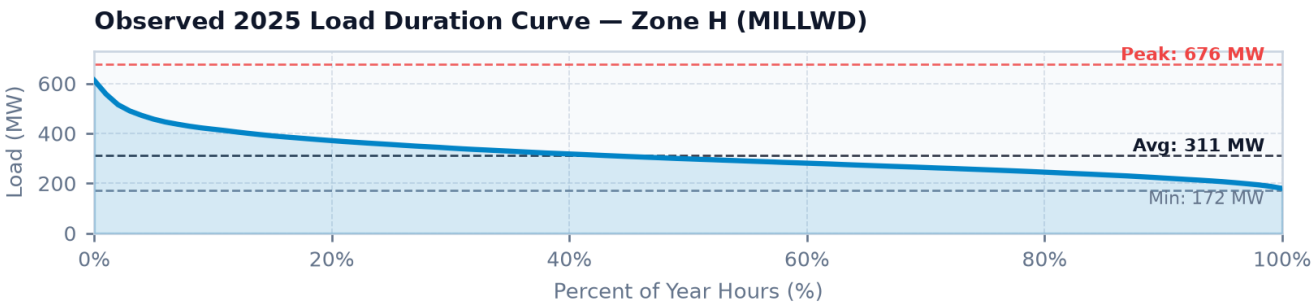
Locality / Capacity Region	Lower Hudson Valley (G-J Locality)
Locational Capacity Requirement (LCR)	82.5%
Deliverability Index (–1 tight → +1 loose)	0.38
Generation-Supply Index (–1 weak → +1 strong)	-0.90
Queued Generation MW in Zone	250
Queued Large-Load MW in Zone	1,200
Expected MW (within 24 Months)	0
Expected MW (within 60 Months)	125

Simulated Fleet Generation Mix

Annual Dispatch Generation Mix by Technology



Observed 2025 Load Duration Curve



Active Large-Load Interconnection Requests in Zone H

Project Name	County	Utility	Req. MW	P(eventual)	Net Real. MW	Exp. Energ.	Critical Path
1 Gig Data Center East Fishkill, NY	Dutchess	Con Edison	1,000	27%	600	2030-12-01	Transmission substation
Proposed Datacenters at 450 Broadway, Buchanan, NY, 10511	Westchester	Con Edison	200	18%	120	2030-12-01	Transmission substation

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

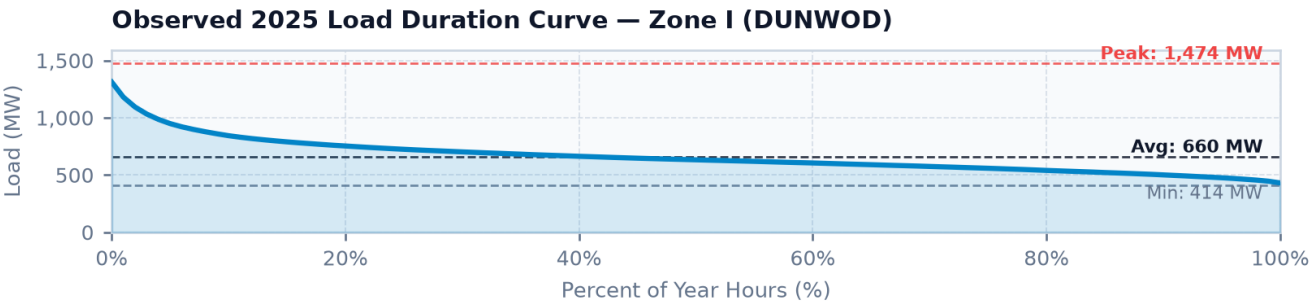
Zone I: DUNWOD — Comprehensive Grid Dossier

3 TRACKED REQUESTS Active projects in zone	150 MW GROSS REQUESTED Undiscounted queue total	29 MW EXPECTED EVENTUAL Probability & realization adjusted	1,474 MW 2025 PEAK LOAD Load factor: 45%
---	--	---	---



Locality / Capacity Region	Lower Hudson Valley (G-J Locality)
Locational Capacity Requirement (LCR)	82.5%
Deliverability Index (–1 tight → +1 loose)	0.40
Generation-Supply Index (–1 weak → +1 strong)	-1.00
Queued Generation MW in Zone	0
Queued Large-Load MW in Zone	150
Expected MW (within 24 Months)	4
Expected MW (within 60 Months)	23

Observed 2025 Load Duration Curve



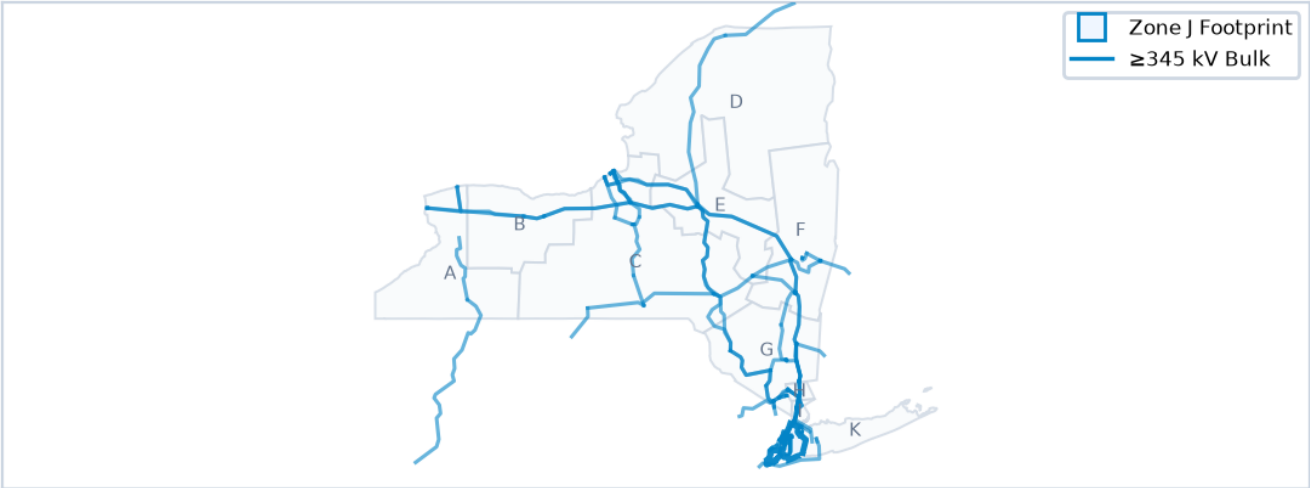
Active Large-Load Interconnection Requests in Zone I

Project Name	County	Utility	Req. MW	P(eventual)	Net Real. MW	Exp. Energ.	Critical Path
TierPoint, LLC	Westchester	Con Edison	50	37%	48	2030-12-01	Transmission substation
Evocative	Chappaqua	Con Edison	50	15%	36	2029-01-01	Regulatory moratorium
Equinix	Elmsford	Con Edison	50	15%	33	2029-01-01	Regulatory moratorium

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

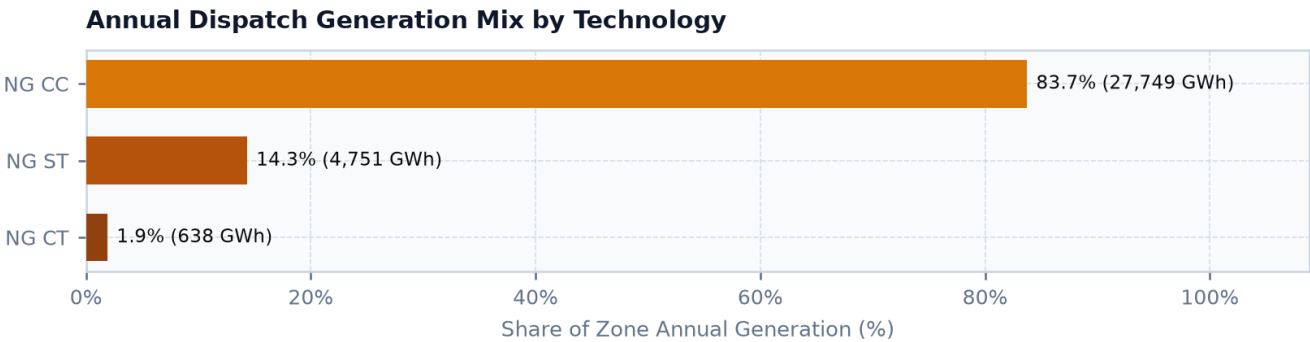
Zone J: N.Y.C. — Comprehensive Grid Dossier

12 TRACKED REQUESTS Active projects in zone	469 MW GROSS REQUESTED Undiscounted queue total	126 MW EXPECTED EVENTUAL Probability & realization adjusted	10,825 MW 2025 PEAK LOAD Load factor: 52%
--	--	--	--

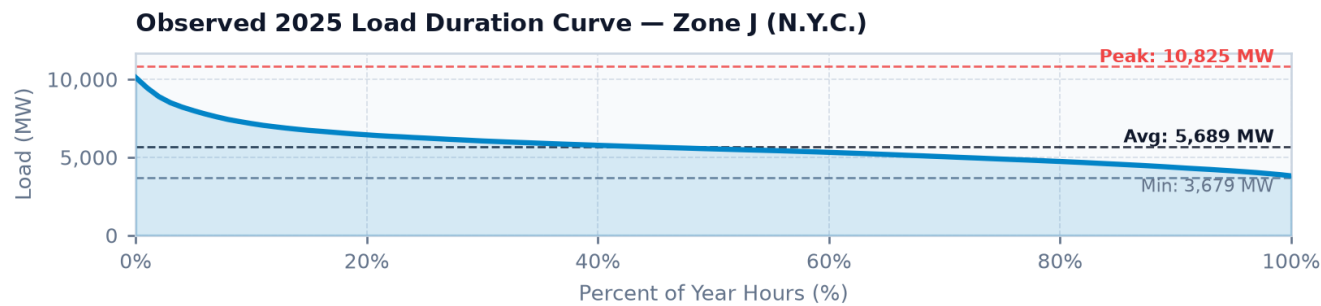


Locality / Capacity Region	NYC (Zone J)
Locational Capacity Requirement (LCR)	86.4%
Deliverability Index (–1 tight → +1 loose)	-0.15
Generation-Supply Index (–1 weak → +1 strong)	1.00
Queued Generation MW in Zone	4,497
Queued Large-Load MW in Zone	469
Expected MW (within 24 Months)	34
Expected MW (within 60 Months)	115

Simulated Fleet Generation Mix



Observed 2025 Load Duration Curve



Active Large-Load Interconnection Requests in Zone J

Project Name	County	Utility	Req. MW	P(eventual)	Net Real. MW	Exp. Energ.	Critical Path
CoreSite	New York	Con Edison	50	61%	48	2030-12-01	Transmission substation
Hudson InterXchange	New York	Con Edison	50	39%	36	2029-01-01	Regulatory moratorium
New York Internet	New York	Con Edison	50	39%	36	2029-01-01	Regulatory moratorium
Quantum To Digital	New York	Con Edison	50	39%	36	2029-01-01	Regulatory moratorium
TELEHOUSE America	Staten Island	Con Edison	50	39%	36	2029-01-01	Regulatory moratorium
Digital Realty	New York	Con Edison	50	39%	33	2029-01-01	Regulatory moratorium
Sabey Data Centers	New York	Con Edison	18	66%	13	2029-10-01	Unknown
365 Data Centers	New York	Con Edison	50	19%	36	2029-01-01	Regulatory moratorium
TELEHOUSE America	New York	Con Edison	50	19%	36	2029-01-01	Regulatory moratorium
Equinix	New York	Con Edison	50	19%	33	2029-01-01	Regulatory moratorium
DataBank	New York	Con Edison	1	66%	1	2029-10-01	Unknown
DataBank	New York	Con Edison	1	46%	0	2029-10-01	Unknown

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

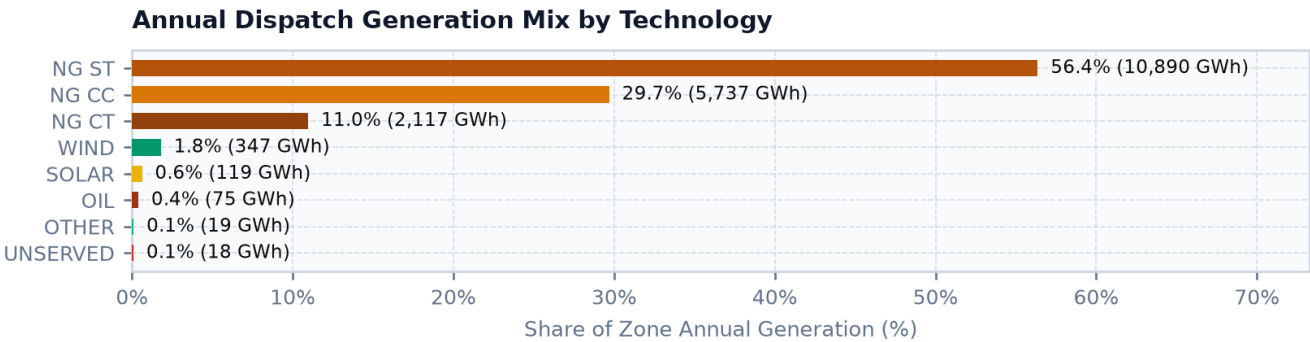
Zone K: LONGIL — Comprehensive Grid Dossier

4	397 MW	108 MW	5,543 MW
TRACKED REQUESTS	GROSS REQUESTED	EXPECTED EVENTUAL	2025 PEAK LOAD
Active projects in zone	Undiscounted queue total	Probability & realization adjusted	Load factor: 41%

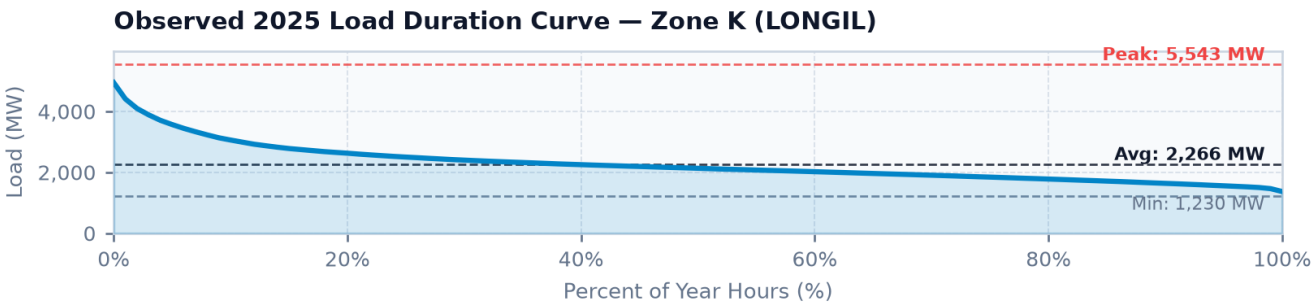


Locality / Capacity Region	Long Island (Zone K)
Locational Capacity Requirement (LCR)	110.3%
Deliverability Index (–1 tight → +1 loose)	-0.20
Generation-Supply Index (–1 weak → +1 strong)	1.00
Queued Generation MW in Zone	3,932
Queued Large-Load MW in Zone	397
Expected MW (within 24 Months)	9
Expected MW (within 60 Months)	82

Simulated Fleet Generation Mix



Observed 2025 Load Duration Curve



Active Large-Load Interconnection Requests in Zone K

Project Name	County	Utility	Req. MW	P(eventual)	Net Real. MW	Exp. Energy.	Critical Path
Brookhaven Logistics Center	Suffolk	PSEG Long Island	177	40%	106	2030-12-01	Transmission substation
Brookhaven National Laboratory Electron Ion Collider Project	Suffolk	PSEG Long Island	120	41%	96	2030-12-01	Transmission substation
Opti9	Garden City	PSEG Long Island	50	37%	36	2029-01-01	Regulatory moratorium
365 Data Centers	Commack	Transmission Operator	50	35%	36	2029-01-01	Regulatory moratorium

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Part VI: Interconnection Queue Compendium (All 103 Tracked Projects)

Master project directory of all 103 de-duplicated large-load interconnection requests actively tracked in the NYISO queue. Ordered by expected net firm megawatts (net realized capacity weighted by commercial energization probability).

Project Name	County	Zone	Utility	Load Class	Req. MW	P(evt)	LR Factor	Net Real. MW	Exp. Energ.	Critical Path	Status
St. Lawrence Infrastructure 2	St. Lawrence	D	NYPA	AI training data center	1,935	40%	0.55	1,064	2030-12-01	Transmission substation	interconnection_queue_active
NY-Route 9W Load Center	Greene	F	National Grid	Other large load	1,000	44%	0.80	800	2030-12-01	Transmission substation	interconnection_queue_active
St. Lawrence Infrastructure 1	St. Lawrence	E	NYPA	AI training data center	860	36%	0.55	473	2030-12-01	Transmission substation	interconnection_queue_active
1 Gig Data Center East Fishkill, NY	Dutchess	H	Con Edison	Generic data center	1,000	27%	0.60	600	2030-12-01	Transmission substation	interconnection_queue_active
Micron Fab 2	Onondaga	C	National Grid	Semiconductor fab	576	27%	0.85	490	2030-12-01	Transmission substation	interconnection_queue_active
North Country Data Center	St. Lawrence	D	NYPA	Crypto data center	435	37%	0.80	348	2030-12-01	Transmission substation	interconnection_queue_active
White Pine Phase 1	Onondaga	C	National Grid	Semiconductor fab	480	27%	0.85	408	2030-12-01	Transmission substation	interconnection_queue_active
North East Data LLC Data Center	Niagara	A	National Grid	Generic data center	500	32%	0.60	300	2030-12-01	Transmission substation	interconnection_queue_active
Incremental Load Request for Remington Factory Redevelopment	Herkimer	E	NYPA	Generic data center	400	39%	0.60	240	2030-12-01	Transmission substation	interconnection_queue_active
Broome County Tech Park	Broome	C	NYSEG	Other large load	250	42%	0.80	200	2030-12-01	Transmission substation	interconnection_queue_active
TeraWulf	Lansing	C	NYSEG	Other large load	320	49%	0.52	166	2030-12-01	Transmission substation	Announced / early planning
WNY STAMP	Genesee	B	NYPA	Generic data center	300	41%	0.60	180	2030-12-01	Transmission substation	interconnection_queue_active
Arsenal Data Site 1000	St Lawrence	E	NYPA	AI training data center	467	27%	0.55	257	2030-12-01	Transmission substation	interconnection_queue_active
Pontoon Bridge Road Data Center	St Lawrence	E	NYPA	Generic data center	250	44%	0.60	150	2030-12-01	Transmission substation	interconnection_queue_active
580 STAMP load increase	Genesee	B	National Grid	Generic data center	300	35%	0.60	180	2030-12-01	Transmission substation	interconnection_queue_active
Patriot Forge	Tioga	C	NYSEG	Crypto data center	350	21%	0.80	280	2029-01-01	Regulatory moratorium	interconnection_queue_active

Project Name	County	Zone	Utility	Load Class	Req. MW	P(evt)	LR Factor	Net Real. MW	Exp. Energ.	Critical Path	Status
Ranalli SuperDC	Onondaga	C	NYPA	Generic data center	270	37%	0.60	162	2030-12-01	Transmission substation	interconnection_queue_active
Olean Digital Data Center	Cattaraugus	A	National Grid	Other large load	300	23%	0.80	240	2030-12-01	Transmission substation	interconnection_queue_active
Fluidstack		A	National Grid	Other large load	438	23%	0.52	228	2030-12-01	Transmission substation	Announced / early planning
Data & Technology Campus	Erie	A	National Grid	Generic data center	300	29%	0.60	180	2030-12-01	Transmission substation	interconnection_queue_active
Globe DH 3	niagara falls	A	National Grid	AI training data center	200	46%	0.55	110	2030-12-01	Transmission substation	interconnection_queue_active
St Lawrence Data and Agricultural Center	St. Lawrence	D	National Grid	Crypto data center	200	31%	0.80	160	2030-12-01	Transmission substation	interconnection_queue_active
Fluidstack		A	National Grid	Other large load	438	20%	0.52	228	2030-12-01	Transmission substation	Announced / early planning
Alcoa East Energy Allocation Project	St. Lawrence	D	NYPA	Other large load	200	28%	0.80	160	2030-12-01	Transmission substation	interconnection_queue_active
Massena Development LLC Power Allocation	St; Lawrence	D	NYPA	Generic data center	200	36%	0.60	120	2030-12-01	Transmission substation	interconnection_queue_active
Brookhaven Logistics Center	Suffolk	K	PSEG Long Island	Generic data center	177	40%	0.60	106	2030-12-01	Transmission substation	interconnection_queue_active
Wulf Compute Data Center II	Niagara	A	NYSEG	AI training data center	250	30%	0.55	138	2030-12-01	Transmission substation	interconnection_queue_active
Kenwood Tech Center	Albany	F	National Grid	Generic data center	180	38%	0.60	108	2030-12-01	Transmission substation	interconnection_queue_active
Brookhaven National Laboratory Electron Ion Collider Project	Suffolk	K	PSEG Long Island	Other large load	120	41%	0.80	96	2030-12-01	Transmission substation	interconnection_queue_active
Lake Mariner Data II	Niagara	A	NYSEG	AI training data center	250	28%	0.55	138	2030-12-01	Transmission substation	interconnection_queue_active
Arsenal Data Site 500	St Lawrence	E	NYPA	AI training data center	233	27%	0.55	128	2030-12-01	Transmission substation	interconnection_queue_active
Hyperscale Cloud Offtaker	Oswego County	C	National Grid	Hyperscale data center	300	29%	0.39	117	2029-01-01	Regulatory moratorium	Announced / early planning
Highwall Data Center	Clearfield	C	NYSEG	Generic data center	400	14%	0.60	240	2029-01-01	Regulatory moratorium	interconnection_queue_active
Somerset Load	Niagara	A	NYSEG	Other large load	250	25%	0.52	130	2030-12-01	Transmission substation	in_service

Project Name	County	Zone	Utility	Load Class	Req. MW	P(evt)	LR Factor	Net Real. MW	Exp. Energ.	Critical Path	Status
Site Master Plan Expansion Phase II	Albany	F	National Grid	Other large load	90	44%	0.80	72	2030-12-01	Transmission substation	interconnection_queue_active
Suffern Quarry Data Center	Rockland	G	O&R;	Other large load	200	19%	0.80	160	2030-12-01	Transmission substation	interconnection_queue_active
CoreSite	New York	J	Con Edison	Other large load	50	61%	0.96	48	2030-12-01	Transmission substation	Operational
Niagara Digital Campus	Niagara	A	National Grid	Generic data center	140	31%	0.60	84	2030-12-01	Transmission substation	interconnection_queue_active
AI Tech Steel Site	Albany	F	National Grid	Industrial manufacturing	60	49%	0.85	51	2030-12-01	Transmission substation	interconnection_queue_active
H5 Data Centers	Niagara	A	National Grid	Other large load	44	55%	0.96	42	2029-10-01	Unknown	Operational
Cayuga Data	Tompkins	C	NYSEG	AI training data center	162	25%	0.55	89	2030-12-01	Transmission substation	interconnection_queue_active
Remington Factory Redevelopment	Herkimer	E	NYPA ,National Grid	Generic data center	100	37%	0.60	60	2030-12-01	Transmission substation	interconnection_queue_active
Proposed Datacenters at 450 Broadway, Buchanan, NY, 10511	Westchester	H	Con Edison	Generic data center	200	18%	0.60	120	2030-12-01	Transmission substation	interconnection_queue_active
SDC St. Lawrence	St. Lawrence	D	NYPA	Generic data center	120	30%	0.60	72	2030-12-01	Transmission substation	interconnection_queue_active
Massena Green Hydrogen	St Lawrence	E	NYPA	Hydrogen	110	38%	0.50	55	2030-12-01	Transmission substation	interconnection_queue_active
Griffiss Park Triangle Development	Oneida	E	National Grid	Other large load	66	39%	0.80	53	2030-12-01	Transmission substation	interconnection_queue_active
Massena Load	St. Lawrence	E	National Grid	Other large load	100	24%	0.80	80	2030-12-01	Transmission substation	interconnection_queue_active
TierPoint, LLC	Westchester	I	Con Edison	Other large load	50	37%	0.96	48	2030-12-01	Transmission substation	Operational
Site Master Plan Expansion Phase I	Albany	F	National Grid	Other large load	45	49%	0.80	36	2029-10-01	Unknown	interconnection_queue_active
Verizon - Project Oasis	Niagara	A	NYSEG	Other large load	75	29%	0.80	60	2030-12-01	Transmission substation	interconnection_queue_active
OOWWTP Expansion Program	Onondaga	C	National Grid	Other large load	50	42%	0.80	40	2030-12-01	Transmission substation	interconnection_queue_active
Greenidge Load	Yates	C	NYSEG	Crypto data center	60	31%	0.80	48	2030-12-01	Transmission substation	interconnection_queue_active

Project Name	County	Zone	Utility	Load Class	Req. MW	P(evt)	LR Factor	Net Real. MW	Exp. Energ.	Critical Path	Status
Cayuga Data Center LLC	Tompkins County	C	NYSEG	Generic data center	100	24%	0.60	60	2029-01-01	Regulatory moratorium	Announced / early planning
Hudson InterXchange	New York	J	Con Edison	Generic data center	50	39%	0.72	36	2029-01-01	Regulatory moratorium	Operational
Quantum To Digital	New York	J	Con Edison	Generic data center	50	39%	0.72	36	2029-01-01	Regulatory moratorium	Operational
New York Internet	New York	J	Con Edison	Generic data center	50	39%	0.72	36	2029-01-01	Regulatory moratorium	Operational
TELEHOUSE America	Staten Island	J	Con Edison	Generic data center	50	39%	0.72	36	2029-01-01	Regulatory moratorium	Operational
Saratoga Expansion	Saratoga	F	National Grid	Other large load	40	43%	0.80	32	2029-10-01	Unknown	interconnection_queue_active
Greenidge Generation Holdings Inc.	Yates County	C	NYSEG	Generic data center	106	18%	0.72	76	2029-01-01	Regulatory moratorium	Operational
Concord Casino	Sullivan	E	NYSEG	Other large load	48	35%	0.80	38	2029-10-01	Unknown	interconnection_queue_active
Opti9	Garden City	K	PSEG Long Island	Generic data center	50	37%	0.72	36	2029-01-01	Regulatory moratorium	Operational
Stream Data Centers	Alabama	A	National Grid	Other large load	50	50%	0.52	26	2030-12-01	Transmission substation	Announced / early planning
POWI Project	Albany	F	National Grid	Other large load	50	32%	0.80	40	2030-12-01	Transmission substation	interconnection_queue_active
Digital Realty	New York	J	Con Edison	Multi tenant data center	50	39%	0.66	33	2029-01-01	Regulatory moratorium	Operational
365 Data Centers	Commack	K	Transmission Operator	Generic data center	50	35%	0.72	36	2029-01-01	Regulatory moratorium	Operational
Cayuga Compute	Tompkins	C	NYSEG	Generic data center	88	24%	0.60	53	2030-12-01	Transmission substation	interconnection_queue_active
Cayuga Load	Cayuga	C	NYSEG	Crypto data center	50	31%	0.80	40	2030-12-01	Transmission substation	interconnection_queue_active
NYISO Load Interconnection Process - Data Center Inquiry	Horseheads	C	NYSEG	Generic data center	150	14%	0.60	90	2029-01-01	Regulatory moratorium	interconnection_queue_active
		D		Other large load	50	29%	0.80	40	2030-12-01	Transmission substation	interconnection_queue_active
Interconnection Customer		E	Transmission Operator	Other large load	50	39%	0.52	26	2030-12-01	Transmission substation	Announced / early planning

Project Name	County	Zone	Utility	Load Class	Req. MW	P(evt)	LR Factor	Net Real. MW	Exp. Energ.	Critical Path	Status
iPark 84 Data Center Interconnection	Dutchess	G	Central Hudson	Generic data center	150	11%	0.60	90	2029-01-01	Regulatory moratorium	interconnection_queue_active
DataBank	Rockland	G	O&R;	Other large load	20	51%	0.96	19	2029-10-01	Unknown	Operational
JPMorgan Chase	Orangeburg	G	O&R;	Generic data center	50	24%	0.72	36	2029-01-01	Regulatory moratorium	Operational
Sabey Data Centers	New York	J	Con Edison	Generic data center	18	66%	0.72	13	2029-10-01	Unknown	Operational
New York State Dept. of Health Lab (Harriman Campus, Albany NY)	Albany	F	National Grid	Other large load	20	49%	0.80	16	2029-10-01	Unknown	interconnection_queue_active
GE Vernova 2690 Balltown Road High Yard Upgrade	Schenectady	F	National Grid	Other large load	20	49%	0.80	16	2029-10-01	Unknown	interconnection_queue_active
University of Rochester	Monroe	B	NYSEG	Other large load	25	38%	0.80	20	2029-10-01	Unknown	interconnection_queue_active
		D		Other large load	50	29%	0.52	26	2030-12-01	Transmission substation	
365 Data Centers	New York	J	Con Edison	Generic data center	50	19%	0.72	36	2029-01-01	Regulatory moratorium	Operational
TELEHOUSE America	New York	J	Con Edison	Generic data center	50	19%	0.72	36	2029-01-01	Regulatory moratorium	Operational
		E		Other large load	50	25%	0.52	26	2027-12-01	Utility study	
Luther Forest	Saratoga	F	National Grid	Other large load	40	31%	0.52	21	2029-10-01	Unknown	in_service
Hudson Valley Data Center	Rockland	G	O&R;	Generic data center	50	21%	0.60	30	2030-12-01	Transmission substation	interconnection_queue_active
Equinix	New York	J	Con Edison	Multi tenant data center	50	19%	0.66	33	2029-01-01	Regulatory moratorium	Operational
Kilbourne Graphite Concentrator Plant	ST LAWRENCE	E	National Grid	Other large load	15	51%	0.80	12	2029-10-01	Unknown	interconnection_queue_active
Digihost load	Niagara	A	National Grid	Other large load	50	23%	0.52	26	2030-12-01	Transmission substation	in_service
Evocative	Chappaqua	I	Con Edison	Generic data center	50	15%	0.72	36	2029-01-01	Regulatory moratorium	Operational
Orangeburg Expansion Phase 2	Orange	G	O&R;	Other large load	30	21%	0.80	24	2029-10-01	Unknown	interconnection_queue_active

Project Name	County	Zone	Utility	Load Class	Req. MW	P(evt)	LR Factor	Net Real. MW	Exp. Energ.	Critical Path	Status
Equinix	Elmsford	I	Con Edison	Multi tenant data center	50	15%	0.66	33	2029-01-01	Regulatory moratorium	Operational
Interconnection Customer		E	Transmission Operator	Other large load	50	19%	0.52	26	2030-12-01	Transmission substation	Announced / early planning
IBM	Poughkeepsie	G	Central Hudson	Generic data center	50	24%	0.39	20	2029-01-01	Regulatory moratorium	Announced / early planning
Treetop Development	East Fishkill	G	Central Hudson	Generic data center	50	24%	0.39	20	2029-01-01	Regulatory moratorium	Announced / early planning
1547 CSR - Orangeburg LLC	Rockland	G	O&R;	Generic data center	30	26%	0.60	18	2029-10-01	Unknown	interconnection_queue_active
Project Sycamore Orangeburg	Rockland	G	O&R;	Generic data center	22	32%	0.60	13	2029-10-01	Unknown	interconnection_queue_active
Equity Suffern Developers, LLC	Rockland	G	O&R;	Other large load	50	16%	0.52	26	2027-12-01	Utility study	Announced / early planning
IGTS Wright EMD Compressor	Schoharie	F	National Grid	Other large load	14	35%	0.80	11	2029-10-01	Unknown	interconnection_queue_active
GTS Dover EMD Compressor	Dutchess	G	Con Edison	Other large load	16	30%	0.80	13	2029-10-01	Unknown	interconnection_queue_active
Green Island Power	Albany	F	National Grid	Other large load	20	37%	0.52	10	2029-10-01	Unknown	in_service
Stream Data Centers	Alabama	A	National Grid	Generic data center	25	35%	0.39	10	2029-10-01	Unknown	Advanced development
North East Data LLC	Niagara County	A	National Grid	Generic data center	50	8%	0.39	20	2029-01-01	Regulatory moratorium	Announced / early planning
DataBank	New York	J	Con Edison	Generic data center	1	66%	0.72	1	2029-10-01	Unknown	Operational
DataBank	New York	J	Con Edison	Generic data center	1	46%	0.72	0	2029-10-01	Unknown	Operational
Fluidstack		A	National Grid	Generic data center	438	0%	0.39	171	2029-01-01	Regulatory moratorium	Announced / early planning

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Part VI.1: Flagship Large-Load Project Dossiers

In-depth engineering profiles and thermal sensitivity screens for the top 10 highest-impact large-load interconnection requests across the NYISO footprint, evaluating local transmission corridors, waterfall constraint breakdowns, and substation candidate links.

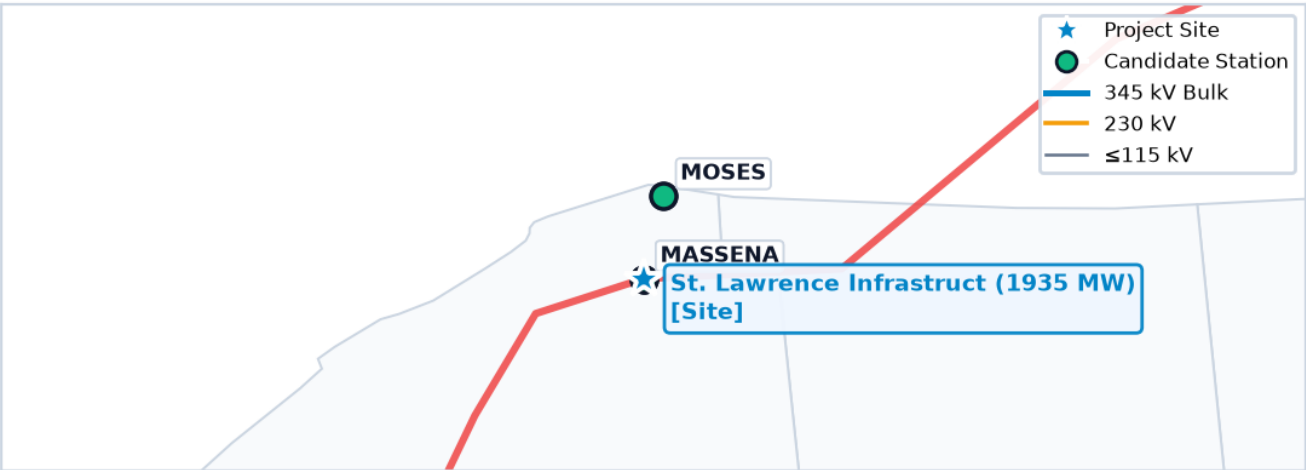
Flagship Profile: St. Lawrence Infrastructure 2 (c4bb51b2)

40%
P(EVENTUAL)
Commercial probability

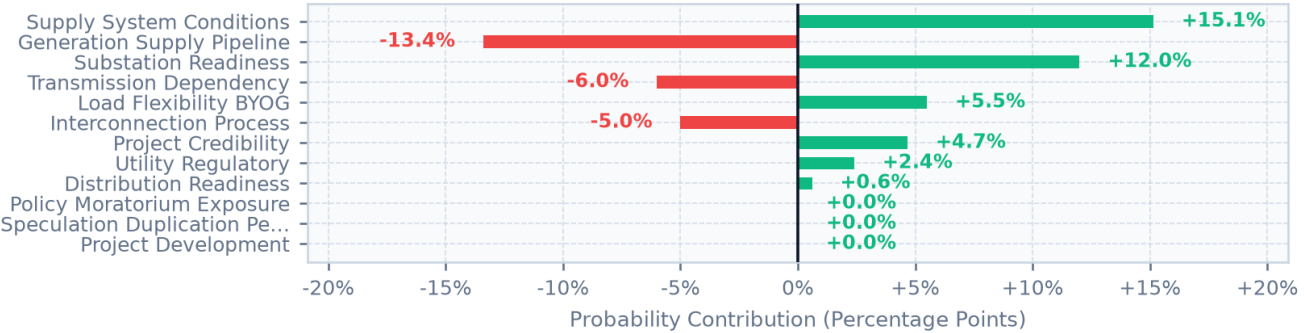
1,935 MW
REQUESTED MW
Queue face-value

1,064 MW
NET REALIZED MW
Firm bulk draw

Transmission substation
CRITICAL PATH
Primary gating constraint



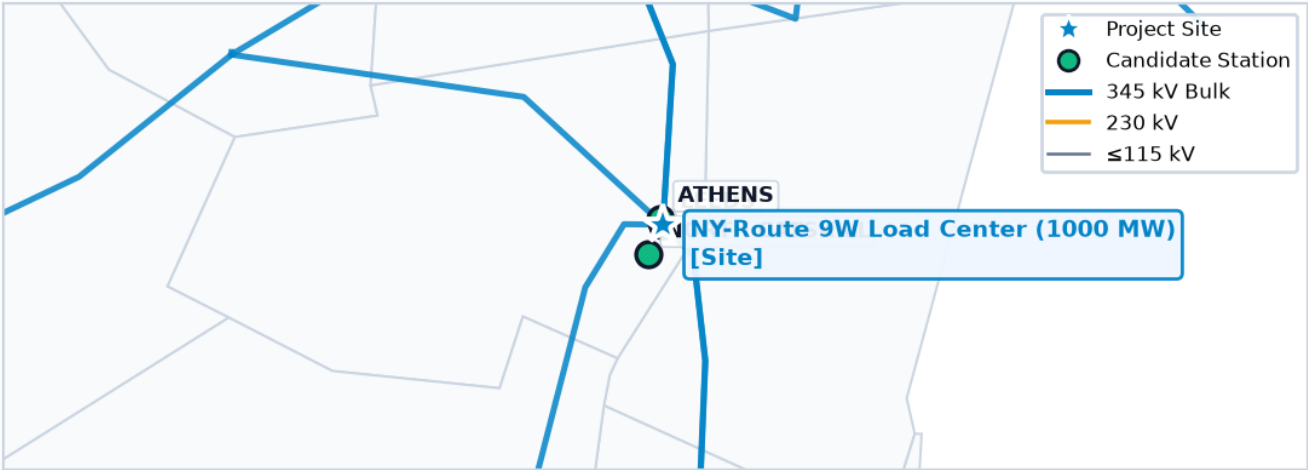
Energization Probability Waterfall (Base Prior: 24% → Final P(evt): 40%)



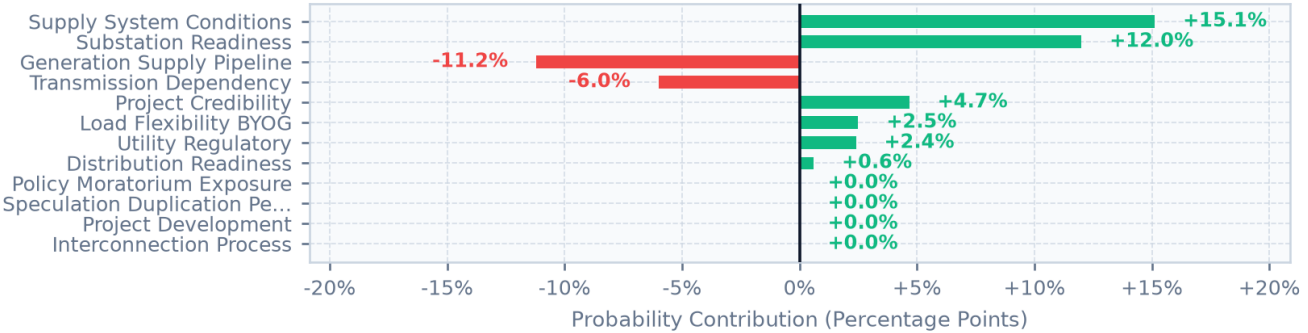
Developer / Sponsor	St. Lawrence Infrastructure, LLC
County / Municipality	St. Lawrence / —
Reliability Zone	Zone D
Electric Utility	NYPA
Load Classification	AI training data center
Expected Commercial Energization	2030-12-01
Point of Interconnection	NYPA's 230kV Moses Massena 1 (MMS-1) and 230kV Moses Massena 2 (MMS-2)
Service Voltage	—
Study Stage	—

Flagship Profile: NY-Route 9W Load Center (e98da2da)

44% P(EVENTUAL) Commercial probability	1,000 MW REQUESTED MW Queue face-value	800 MW NET REALIZED MW Firm bulk draw	Transmission substation CRITICAL PATH Primary gating constraint
---	---	--	--



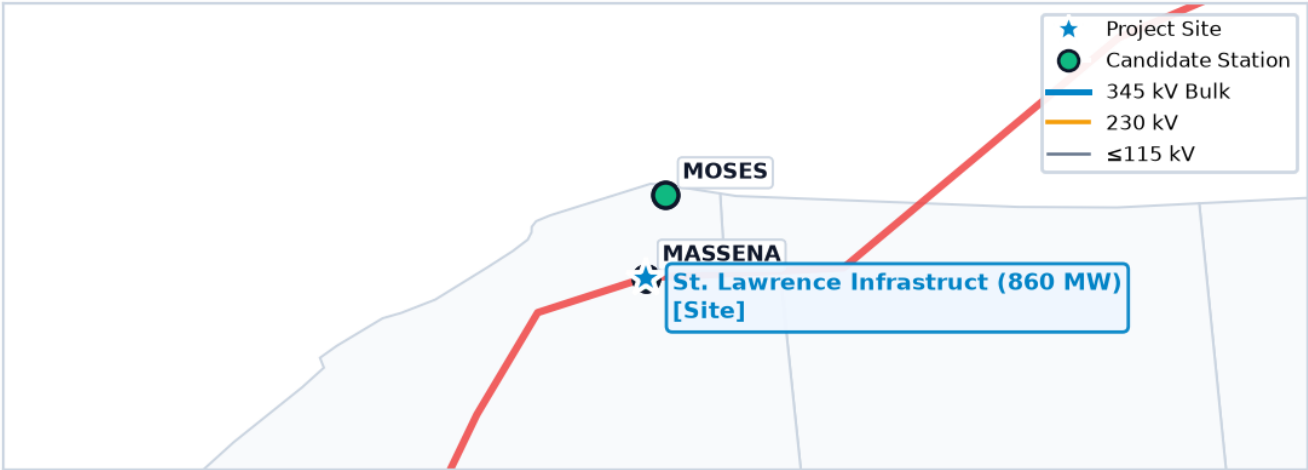
Energization Probability Waterfall (Base Prior: 24% → Final P(evt): 44%)



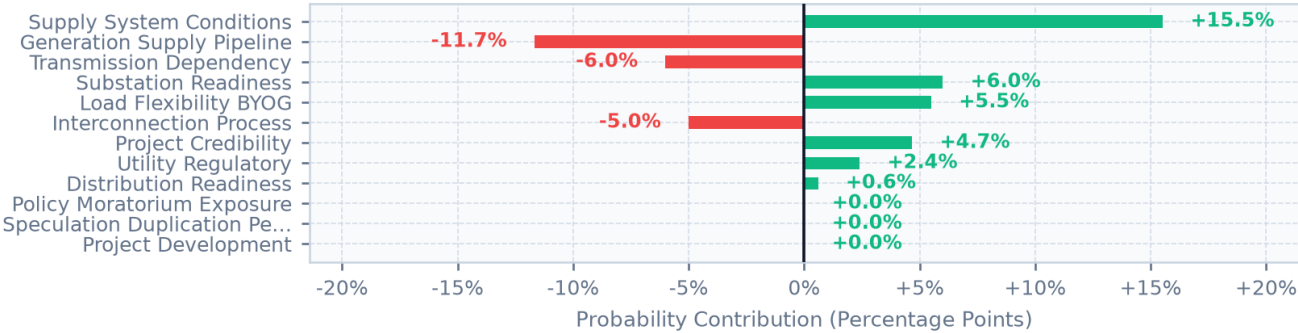
Developer / Sponsor	NY-Route 9W LLC
County / Municipality	Greene / —
Reliability Zone	Zone F
Electric Utility	National Grid
Load Classification	Other large load
Expected Commercial Energization	2030-12-01
Point of Interconnection	Leeds 345kV substation
Service Voltage	—
Study Stage	—

Flagship Profile: St. Lawrence Infrastructure 1 (0eba7256)

36% P(EVENTUAL) Commercial probability	860 MW REQUESTED MW Queue face-value	473 MW NET REALIZED MW Firm bulk draw	Transmission substation CRITICAL PATH Primary gating constraint
---	---	--	--



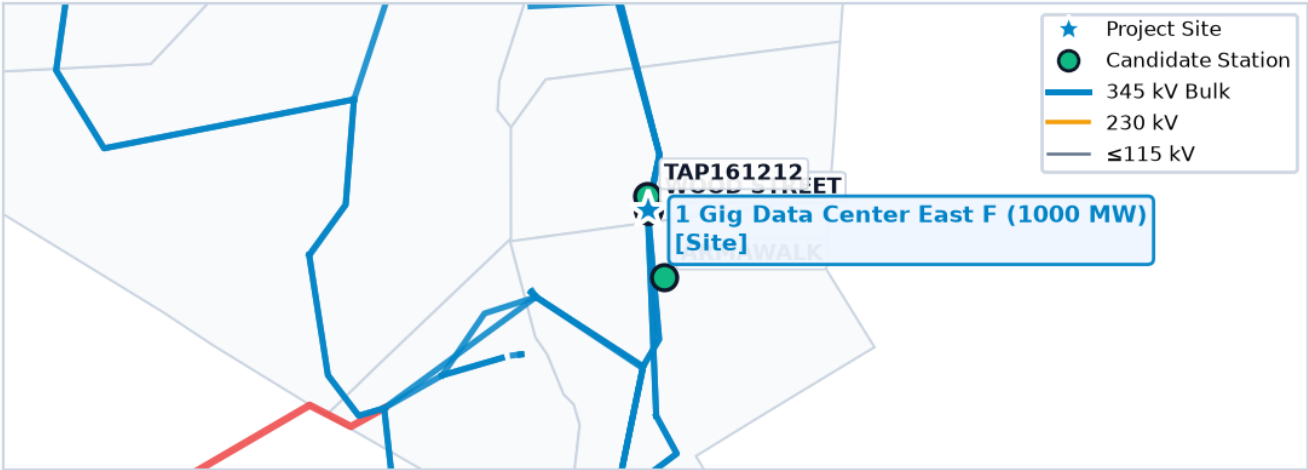
Energization Probability Waterfall (Base Prior: 24% → Final P(evt): 36%)



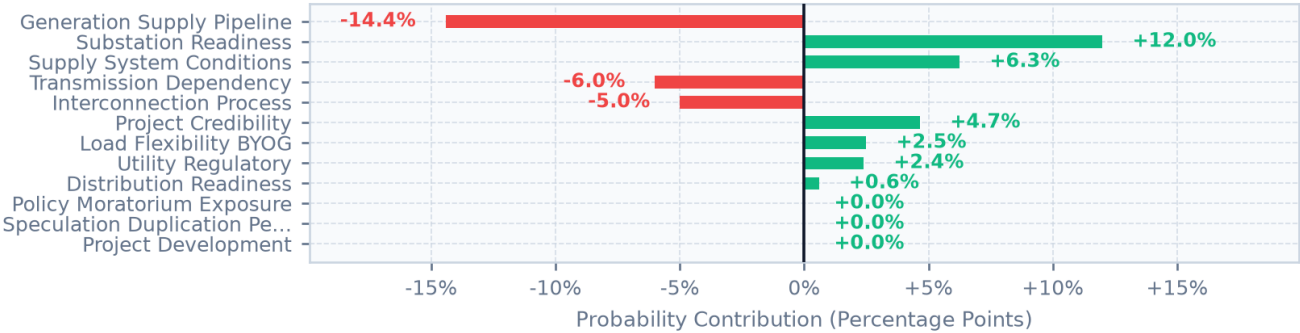
Developer / Sponsor	St. Lawrence Infrastructure, LLC
County / Municipality	St. Lawrence / —
Reliability Zone	Zone E
Electric Utility	NYPA
Load Classification	AI training data center
Expected Commercial Energization	2030-12-01
Point of Interconnection	NYPA HA-2, 345kV Transmission Line
Service Voltage	—
Study Stage	—

Flagship Profile: 1 Gig Data Center East Fishkill, NY (5affd739)

27% P(EVENTUAL) Commercial probability	1,000 MW REQUESTED MW Queue face-value	600 MW NET REALIZED MW Firm bulk draw	Transmission substation CRITICAL PATH Primary gating constraint
---	---	--	--



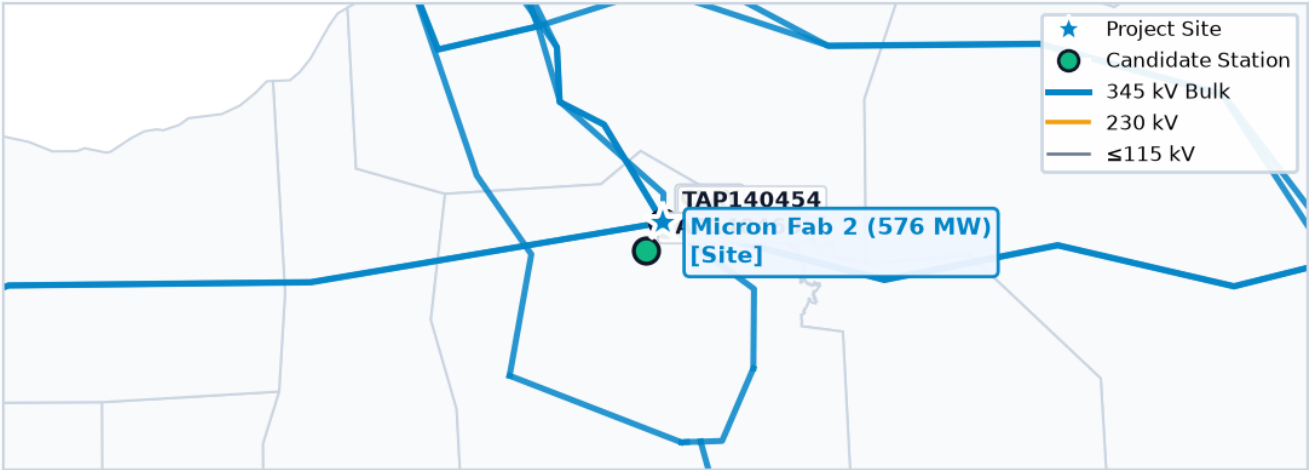
Energization Probability Waterfall (Base Prior: 24% → Final P(evt): 27%)



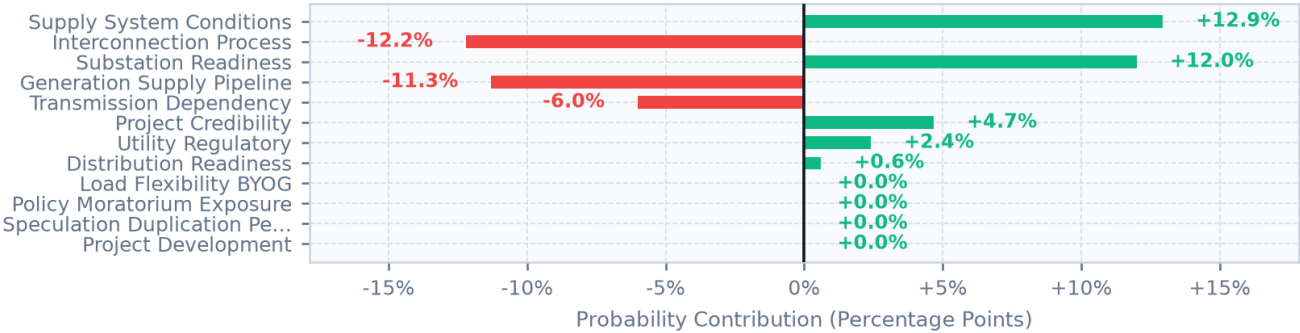
Developer / Sponsor	Donovan Drive Holdings LLC
County / Municipality	Dutchess / —
Reliability Zone	Zone H
Electric Utility	Con Edison
Load Classification	Generic data center
Expected Commercial Energization	2030-12-01
Point of Interconnection	East Fishkill to Wood Street 345 kV lines (38 and 39)
Service Voltage	—
Study Stage	—

Flagship Profile: Micron Fab 2 (82ea5b9a)

27% P(EVENTUAL) Commercial probability	576 MW REQUESTED MW Queue face-value	490 MW NET REALIZED MW Firm bulk draw	Transmission substation CRITICAL PATH Primary gating constraint
---	---	--	--



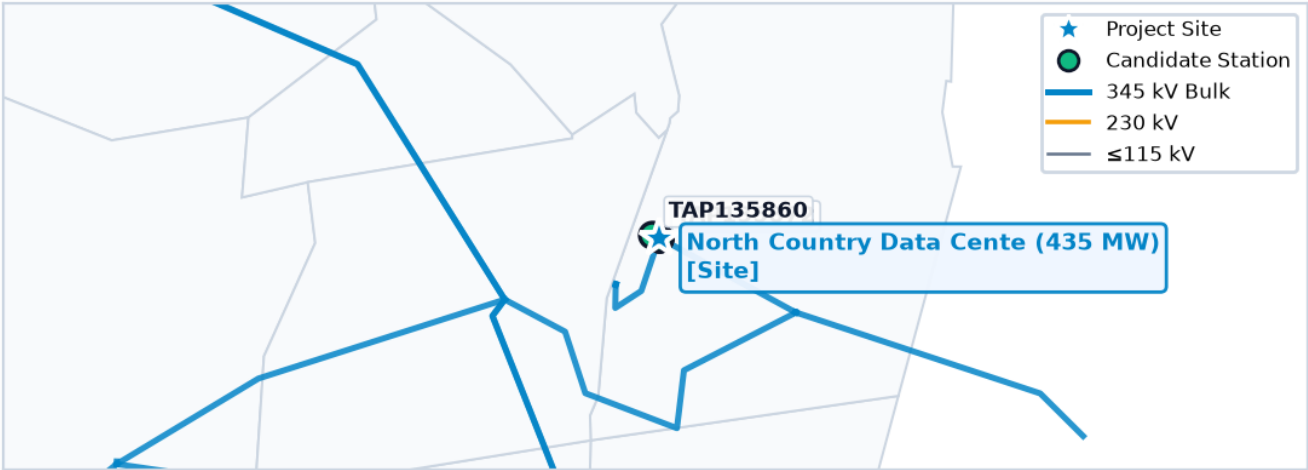
Energization Probability Waterfall (Base Prior: 24% → Final P(evt): 27%)



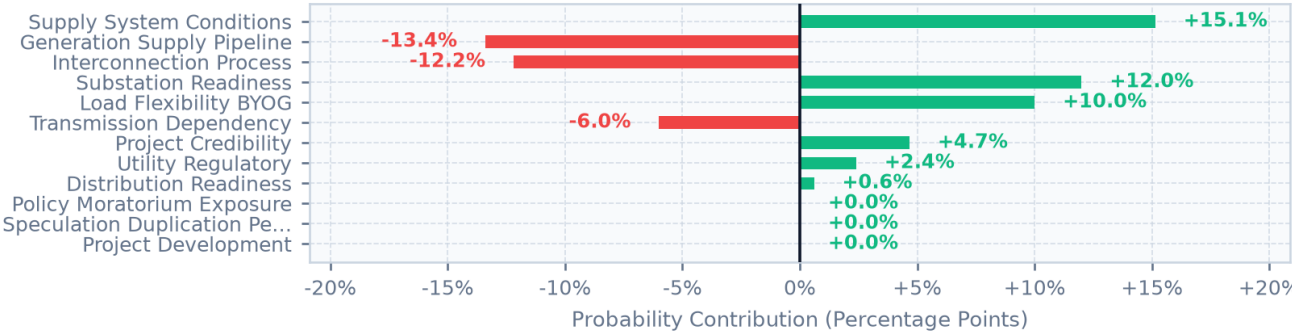
Developer / Sponsor	Micron New York Semiconductor Manufacturing LLC
County / Municipality	Onondaga / —
Reliability Zone	Zone C
Electric Utility	National Grid
Load Classification	Semiconductor fab
Expected Commercial Energization	2030-12-01
Point of Interconnection	National Grid Clay 345 kV Substation
Service Voltage	—
Study Stage	—

Flagship Profile: North Country Data Center (f518d986)

37% P(EVENTUAL) Commercial probability	435 MW REQUESTED MW Queue face-value	348 MW NET REALIZED MW Firm bulk draw	Transmission substation CRITICAL PATH Primary gating constraint
---	---	--	--



Energization Probability Waterfall (Base Prior: 24% → Final P(evt): 37%)



Developer / Sponsor	North Country Data Center
County / Municipality	St. Lawrence / —
Reliability Zone	Zone D
Electric Utility	NYPA
Load Classification	Crypto data center
Expected Commercial Energization	2030-12-01
Point of Interconnection	Reynolds 115kV
Service Voltage	—
Study Stage	—

Flagship Profile: White Pine Phase 1 (33bb44cf)

27%

P(EVENTUAL)
Commercial probability

480 MW

REQUESTED MW
Queue face-value

408 MW

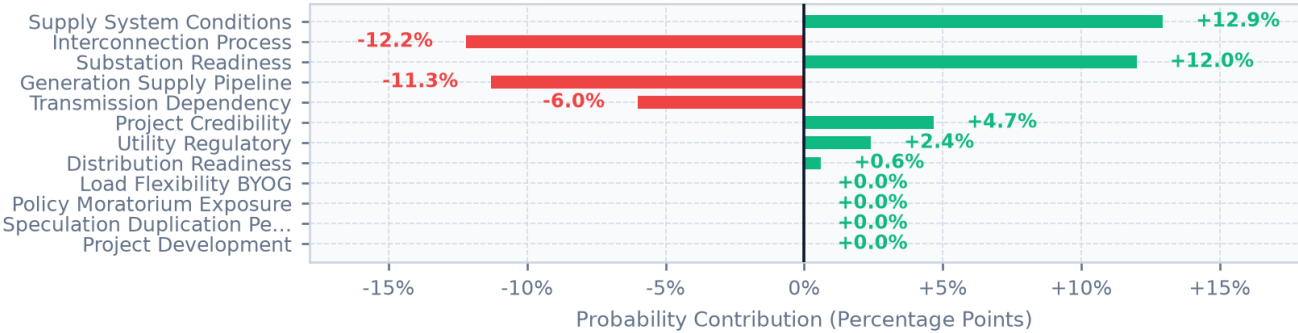
NET REALIZED MW
Firm bulk draw

Transmission substation

CRITICAL PATH
Primary gating constraint



Energization Probability Waterfall (Base Prior: 24% → Final P(evt): 27%)



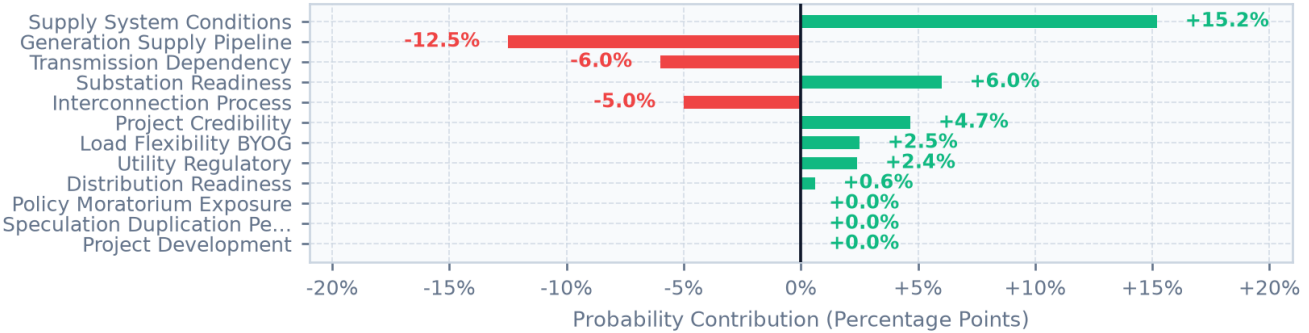
Developer / Sponsor	Micron New York Semiconductor Manufacturing LLC
County / Municipality	Onondaga / —
Reliability Zone	Zone C
Electric Utility	National Grid
Load Classification	Semiconductor fab
Expected Commercial Energization	2030-12-01
Point of Interconnection	Clay 345 kV Substation
Service Voltage	—
Study Stage	—

Flagship Profile: North East Data LLC Data Center (a6df25ca)

32% P(EVENTUAL) Commercial probability	500 MW REQUESTED MW Queue face-value	300 MW NET REALIZED MW Firm bulk draw	Transmission substation CRITICAL PATH Primary gating constraint
---	---	--	--



Energization Probability Waterfall (Base Prior: 24% → Final P(evt): 32%)



Developer / Sponsor	North East Data LLC
County / Municipality	Niagara / —
Reliability Zone	Zone A
Electric Utility	National Grid
Load Classification	Generic data center
Expected Commercial Energization	2030-12-01
Point of Interconnection	230kV lines 77 and 78
Service Voltage	—
Study Stage	—

Flagship Profile: Incremental Load Request for Remington Factory Redevelopment (1615f74e)

39%

P(EVENTUAL)
Commercial probability

400 MW

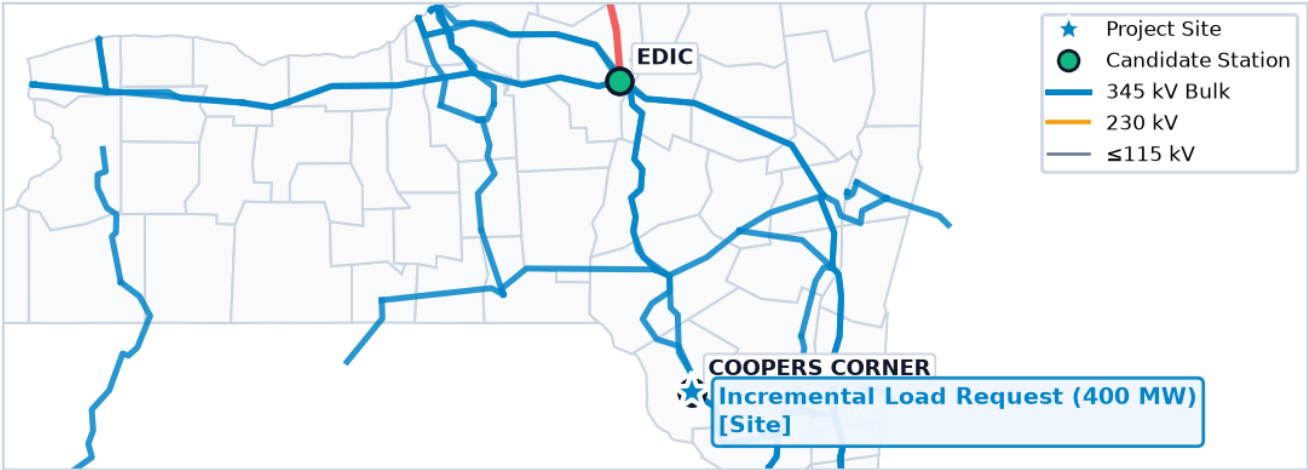
REQUESTED MW
Queue face-value

240 MW

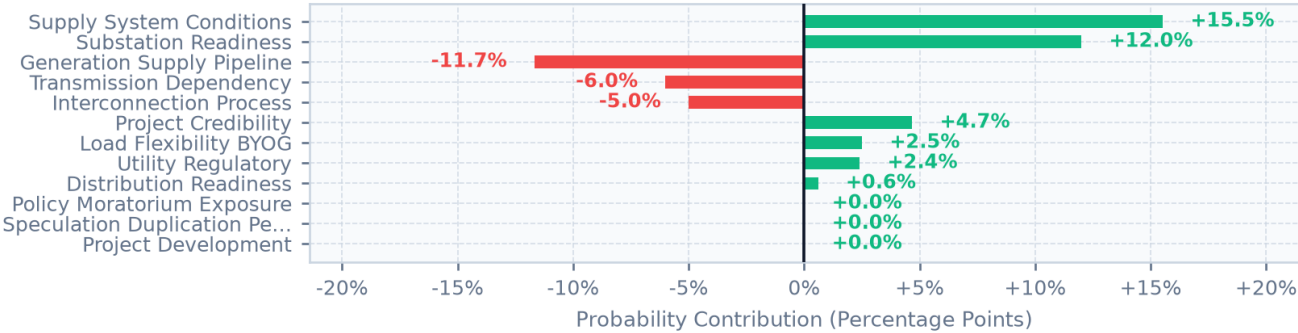
NET REALIZED MW
Firm bulk draw

Transmission substation

CRITICAL PATH
Primary gating constraint



Energization Probability Waterfall (Base Prior: 24% → Final P(evt): 39%)



Developer / Sponsor	Turin Management LLC
County / Municipality	Herkimer / —
Reliability Zone	Zone E
Electric Utility	NYPA
Load Classification	Generic data center
Expected Commercial Energization	2030-12-01
Point of Interconnection	Line 1: 345KV from EDIC to Fraser. Line 2: 345 KV from Marcy to Coopers Corners
Service Voltage	—
Study Stage	—

Flagship Profile: Broome County Tech Park (f283a32b)

42%

P(EVENTUAL)
Commercial probability

250 MW

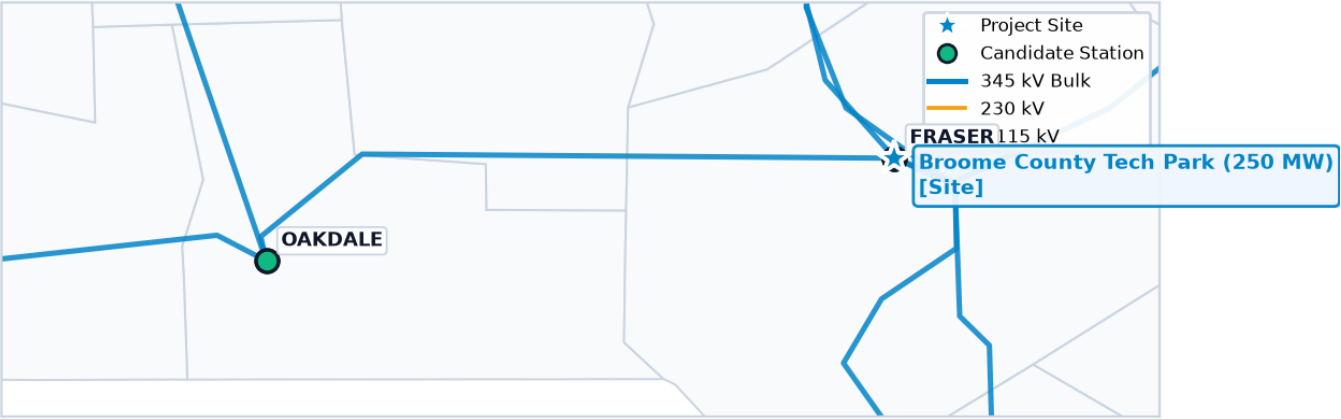
REQUESTED MW
Queue face-value

200 MW

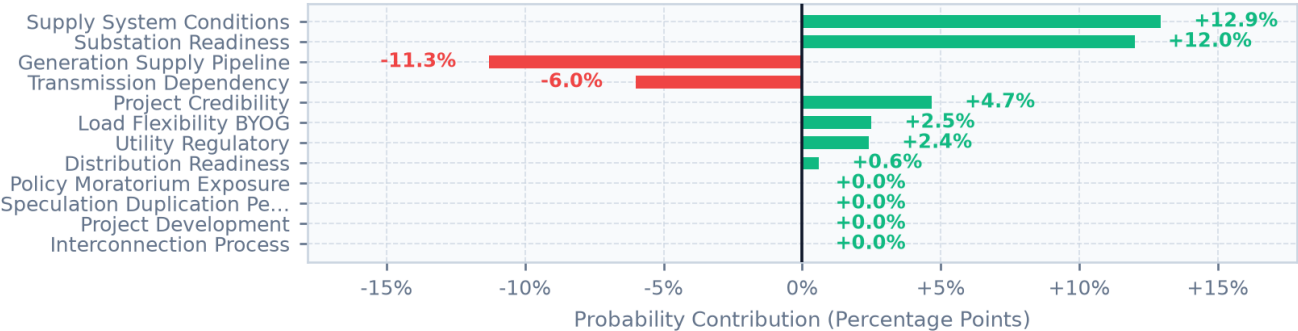
NET REALIZED MW
Firm bulk draw

Transmission substation

CRITICAL PATH
Primary gating constraint



Energization Probability Waterfall (Base Prior: 24% → Final P(evt): 42%)



Developer / Sponsor	The Agency
County / Municipality	Broome / —
Reliability Zone	Zone C
Electric Utility	NYSEG
Load Classification	Other large load
Expected Commercial Energization	2030-12-01
Point of Interconnection	345 kV POI via a loop on the existing Oakdale-Fraser Line 32. The interconnection substation will have a ring bus configuration.
Service Voltage	—
Study Stage	—

Part VII: Substation Intelligence Catalog (All 1422 Nodes)

Complete technical catalog of all 1422 substations across the New York ISO (NYISO) footprint. Substations are evaluated across high-voltage transmission interconnect capabilities, evidence strength tiers, screening readiness bands, and linked large-load interconnection pipeline pressure.

7.1 Priority Bulk Transmission Interconnection Hubs

The following substations represent the primary candidate nodes experiencing direct pipeline connection requests or serving as major 230 kV / 345 kV / 500 kV bulk transmission transfer hubs.

Substation Name	Zone	Utility	Voltage	Readiness	Linked Reqs	Linked Exp. MW	DER Hosting Cap
MASSENA	D	NYPA	765 kV	Minimal	7	7,165	None found
MOSES	D	NYPA	230 kV	Minimal	5	4,230	None found
CLAY	C	National Grid	345 kV	Minimal	12	4,128	None found
TAP141251	D	NYPA	115 kV	Minimal	5	3,295	None found
TAP141261	D	NYPA	115 kV	Minimal	5	3,295	None found
SOMERSET	A	National Grid	345 kV	Minimal	12	3,277	None found
WOOD STREET	G	NYSEG	345 kV	Minimal	3	3,000	None found
LEEDS	F	National Grid	345 kV	Minimal	3	3,000	None found
EDIC	E	National Grid	345 kV	Minimal	9	1,715	None found
FRASER	C	NYPA	345 kV	Minimal	5	1,550	None found
REYNOLDS	F	National Grid	345 kV	Minimal	5	1,545	None found
NIAGARA	A	National Grid	345 kV	Minimal	6	1,500	None found
PACKARD	A	National Grid	230 kV	Minimal	7	1,420	None found
TAP140454	C	National Grid	115 kV	Minimal	4	1,376	None found
TAP140460	C	National Grid	115 kV	Minimal	4	1,376	None found
COOPERS CORNER	G	National Grid	345 kV	Minimal	6	1,344	None found
ADIRONDACK	D	National Grid	230 kV	Minimal	6	1,080	None found
ATHENS	F	National Grid	345 kV	Minimal	1	1,000	None found
ARMAWALK	H	NYSEG	115 kV	Minimal	1	1,000	None found
TAP161212	G	NYSEG	115 kV	Minimal	1	1,000	None found
NORTH CATSKILL	F	Central Hudson	69 kV	Minimal	1	1,000	6
MARCY	E	National Grid	765 kV	Minimal	7	915	None found
PORTER	E	National Grid	230 kV	Minimal	7	915	None found
HUNTLEY	A	NYSEG	230 kV	Minimal	3	900	None found
DEWITT	C	NYSEG	345 kV	Minimal	3	610	None found

Source: Clean Energy Research, LLC dba AlxEnergy by Brandon N. Owens (monitor.aixenergy.io).

7.2 Complete Substation Directory (1422 Nodes)

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
3 MILE	A	—	—	D	Minimal	0	—
7TH STREET	A	—	—	D	Minimal	0	—
9 MILE SW STA	A	—	—	D	Minimal	0	—
90TH SOUTH	A	—	—	C	Limited	0	—
ABERNETHY	A	—	—	D	Minimal	0	—
AIRPORT	A	—	—	D	Minimal	0	—
ALABAMA SWITCH	A	—	—	D	Minimal	2	75
ALAMEDA	A	—	—	D	Minimal	0	—
ALCOA	A	—	—	C	Limited	0	—
AMERICAN	A	—	—	D	Minimal	0	—
AMERICAN FALLS	A	—	—	D	Minimal	0	—
ANGOLA	A	—	—	D	Minimal	0	—
AUDOBON 230KV	A	—	—	D	Minimal	0	—
AVRA VALLEY	A	—	—	D	Minimal	0	—
AYER RD	A	—	—	B	Limited	0	—
BAKER ST	A	—	—	D	Minimal	0	—
BALL	A	—	—	C	Limited	0	—
BAMBER VALLEY	A	—	—	D	Minimal	0	—
BANKS	A	—	—	D	Minimal	0	—
BANNOCK CREEK	A	—	—	D	Minimal	0	—
BAXTER	A	—	—	D	Minimal	0	—
BAYPORT SW STA	A	—	—	D	Minimal	0	—
BECKWORTH	A	—	—	D	Minimal	0	—
BELL	A	—	—	D	Minimal	0	—
BENNETT RD	A	—	—	B	Limited	0	—
BERRY RD	A	—	—	D	Minimal	0	—
BIG TREE	A	—	—	C	Limited	0	—
BIG VALLEY LUMBER CO	A	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
BIRD ST	A	—	—	D	Minimal	0	—
BLACKHAWK	A	—	—	D	Minimal	0	—
BLANCHARD	A	—	—	D	Minimal	0	—
BLOUNT	A	—	—	D	Minimal	0	—
BLUE GOOSE	A	—	—	D	Minimal	0	—
BLUESTONE	A	—	—	D	Minimal	0	—
BOONEVILLE	A	—	—	D	Minimal	0	—
BRADY	A	—	—	D	Minimal	0	—
BRAINERD	A	—	—	D	Minimal	0	—
BREVORT	A	—	—	D	Minimal	0	—
BRIGHAM RD	A	—	—	D	Minimal	0	—
BRIMLEY	A	—	—	D	Minimal	0	—
BUFFALO SEWER AUTHORITY	A	—	—	D	Minimal	0	—
BUNNELL	A	—	—	C	Limited	0	—
BURKE	A	—	—	D	Minimal	0	—
BUTLER	A	—	—	D	Minimal	0	—
BUTLER RIDGE	A	—	—	D	Minimal	0	—
BYRON	A	—	—	D	Minimal	0	—
CALDRON FALLS HY	A	—	—	D	Minimal	0	—
CALPINE	A	—	—	D	Minimal	0	—
CALSPAN	A	—	—	D	Minimal	0	—
CAMPUS	A	—	—	C	Limited	3	60
CAP SANDARIO	A	—	—	D	Minimal	0	—
CARBORUNDUM	A	—	—	C	Limited	0	—
CARDINAL	A	—	—	D	Minimal	0	—
CARVER	A	—	—	D	Minimal	0	—
CASCADE CREEK	A	—	—	D	Minimal	0	—
CENTER PARK	A	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
CHATHAM	A	—	—	D	Minimal	0	—
CHESTER	A	—	—	D	Minimal	2	600
CHEVROLET	A	—	—	C	Limited	0	—
CHRISTENSON	A	—	—	D	Minimal	0	—
CHURCH ROAD	A	—	—	C	Limited	0	—
CLACKAMAS	A	—	—	D	Minimal	0	—
CLINTON	A	—	—	D	Minimal	0	—
CLOVERBANK	A	—	—	B	Limited	0	—
COBBLE HILL	A	—	—	D	Minimal	0	—
COLD SPRING RD	A	—	—	D	Minimal	0	—
COLORADO	A	—	—	C	Limited	0	—
COLUMBUS MUNI 1	A	—	—	D	Minimal	0	—
COTTAGE GROVE	A	—	—	D	Minimal	0	—
CROSTOWN CASCADE	A	—	—	D	Minimal	0	—
CUMMINS	A	—	—	D	Minimal	0	—
DAFTER	A	—	—	D	Minimal	0	—
DANZ AVE SW STA	A	—	—	D	Minimal	0	—
DAVIS RD	A	—	—	D	Minimal	0	—
DAYTON'S BLUFF	A	—	—	C	Limited	0	—
DEAD HEAD	A	—	—	D	Minimal	0	—
DEADEND166942	A	—	—	D	Minimal	0	—
DEADEND166943	A	—	—	C	Limited	0	—
DEADEND166944	A	—	—	C	Limited	0	—
DEADEND166945	A	—	—	C	Minimal	2	500
DEADEND166946	A	—	—	C	Minimal	2	500
DEADEND166950	A	—	—	C	Minimal	1	300
DEADEND166951	A	—	—	C	Limited	0	—
DEADEND166954	A	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
DEADEND166956	A	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
DEADEND167355	A	—	—	D	Minimal	0	—
DEADEND170824	A	—	—	D	Minimal	0	—
DEADEND172051	A	—	—	D	Minimal	0	—
DEADEND172052	A	—	—	D	Minimal	0	—
DEADEND172053	A	—	—	C	Limited	0	—
DEADEND172054	A	—	—	C	Limited	0	—
DEADEND172055	A	—	—	C	Limited	0	—
DEADEND172057	A	—	—	C	Limited	0	—
DEL CERRO	A	—	—	D	Minimal	0	—
DEPEW	A	—	—	C	Limited	0	—
DESOTO	A	—	—	C	Limited	0	—
DEWING	A	—	—	D	Minimal	0	—
DON	A	—	—	D	Minimal	0	—
DUGAN	A	—	—	D	Minimal	0	—
DUNKIRK	A	—	—	D	Minimal	0	—
DUPONT	A	—	—	C	Limited	0	—
DYCKESVILLE	A	—	—	D	Minimal	0	—
E DUNKIRK	A	—	—	B	Limited	0	—
EAST BENCH	A	—	—	D	Minimal	0	—
EAST CAMPUS	A	—	—	D	Minimal	0	—
EAST JACKSON	A	—	—	C	Limited	0	—
EAST POINT	A	—	—	D	Minimal	0	—
EASTMAN	A	—	—	D	Minimal	0	—
ECKERMAN	A	—	—	D	Minimal	0	—
ELM ST	A	—	—	D	Minimal	0	—
EMPIRE MINE	A	—	—	D	Minimal	0	—
EPHRAIM CEMETERY	A	—	—	D	Minimal	0	—
ERIE ST	A	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
EVERGREEN	A	—	—	D	Minimal	0	—
FALCONER	A	—	—	D	Minimal	0	—
FEEDVILLE	A	—	—	D	Minimal	0	—
FEMRITE	A	—	—	D	Minimal	0	—
FINGER RD SW STA	A	—	—	D	Minimal	0	—
FIVE MILE	A	—	—	D	Minimal	1	300
FLORENCE	A	—	—	C	Limited	0	—
FONDREN	A	—	—	C	Limited	0	—
FOREST HILL	A	—	—	D	Minimal	0	—
FORSYTH	A	—	—	D	Minimal	0	—
FORT CAROLINE	A	—	—	D	Minimal	0	—
FORT SAGE	A	—	—	D	Minimal	0	—
FREEPORT	A	—	—	C	Limited	0	—
FREMONT	A	—	—	D	Minimal	0	—
FRONTIER	A	—	—	C	Limited	0	—
GALLATIN	A	—	—	C	Limited	0	—
GALLMAN	A	—	—	D	Minimal	0	—
GARDENVILLE	A	—	—	C	Limited	0	—
GASTON RD	A	—	—	D	Minimal	0	—
GATEWAY	A	—	—	C	Limited	0	—
GETWELL	A	—	—	C	Limited	0	—
GETZVILLE	A	—	—	C	Limited	0	—
GOODMAN	A	—	—	D	Minimal	0	—
GREENBROOK	A	—	—	C	Limited	0	—
GWINN	A	—	—	D	Minimal	0	—
HAMBRICK	A	—	—	D	Minimal	0	—
HANKINSON	A	—	—	D	Minimal	0	—
HARLEM	A	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
HARTFIELD	A	—	—	B	Limited	0	—
HAUSEN CREEK	A	—	—	D	Minimal	0	—
HAZLEHURST	A	—	—	D	Minimal	0	—
HERMISTON	A	—	—	C	Limited	0	—
HERNANDO	A	—	—	D	Minimal	0	—
HIGH FALLS HY	A	—	—	D	Minimal	0	—
HIGHWAY V	A	—	—	D	Minimal	0	—
HINMAN	A	—	—	C	Limited	2	94
HOKU	A	—	—	D	Minimal	0	—
HORICON	A	—	—	D	Minimal	0	—
HORN LAKE	A	—	—	C	Limited	0	—
HOWARD	A	—	—	D	Minimal	0	—
HUBBARD	A	—	—	D	Minimal	0	—
HUDSON	A	—	—	D	Minimal	0	—
HULBERT	A	—	—	D	Minimal	0	—
HUNTINGTON	A	—	—	C	Limited	0	—
HUNTLEY	A	—	—	C	Minimal	3	900
HUSTISFORD	A	—	—	D	Minimal	0	—
IBM	A	—	—	D	Minimal	0	—
IDALIA	A	—	—	D	Minimal	0	—
INDIAN HILL SWITCH	A	—	—	C	Limited	0	—
ISHUA SWITCH TOWER	A	—	—	D	Minimal	0	—
JACKSONVILLE BEACH	A	—	—	D	Minimal	0	—
JAMES ST	A	—	—	D	Minimal	0	—
Jasper Substation	A	—	—	D	Minimal	0	—
JENNINGS LODGE	A	—	—	D	Minimal	0	—
JERUSALEM	A	—	—	D	Minimal	0	—
JORDAN PARK	A	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
K I SAWYER	A	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
KELL BUTTE	A	—	—	D	Minimal	0	—
KINCHELOE HOUSING	A	—	—	D	Minimal	0	—
KINCHELOE MAIN	A	—	—	D	Minimal	0	—
KINGSWOOD	A	—	—	C	Limited	0	—
KINPORT	A	—	—	D	Minimal	0	—
KOHLMAN LAKE	A	—	—	D	Minimal	0	—
KORONA	A	—	—	D	Minimal	0	—
LA CANADA	A	—	—	A	Moderate	0	—
LAKEHEAD	A	—	—	D	Minimal	0	—
LAKEHEAD NAUBINWAY	A	—	—	D	Minimal	0	—
LARSON STREET	A	—	—	C	Limited	0	—
LAWN ROAD	A	—	—	D	Minimal	0	—
LENTS	A	—	—	D	Minimal	0	—
LIBERTY	A	—	—	D	Minimal	0	—
LITTLE FALLS	A	—	—	C	Limited	0	—
LOCKPORT	A	—	—	C	Limited	2	94
LOOKOUT	A	—	—	D	Minimal	0	—
LUDIUM	A	—	—	D	Minimal	0	—
MACHIAS #13	A	—	—	D	Minimal	0	—
MACKINAC	A	—	—	D	Minimal	0	—
MALTA	A	—	—	D	Minimal	0	—
MAPLE LEAF	A	—	—	D	Minimal	0	—
MAPLEWOOD	A	—	—	D	Minimal	2	40
MARANA	A	—	—	D	Minimal	0	—
MARANA TAP	A	—	—	D	Minimal	0	—
MARBLE	A	—	—	D	Minimal	0	—
MASON ST	A	—	—	D	Minimal	0	—
MAYPORT	A	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
MAYVILLE	A	—	—	D	Minimal	0	—
MC ARTHUR	A	—	—	D	Minimal	0	—
MCGULPIN	A	—	—	D	Minimal	0	—
MCLOUGHLIN	A	—	—	D	Minimal	0	—
MEDICAL CENTER	A	—	—	C	Limited	0	—
MERRIAM PARK	A	—	—	C	Limited	0	—
MERRIFIELD	A	—	—	D	Minimal	0	—
MIAMI	A	—	—	D	Minimal	0	—
MIDWAY	A	—	—	C	Limited	0	—
MONUMENT STREET	A	—	—	C	Limited	0	—
MOON SWITCHES	A	—	—	D	Minimal	0	—
MOORHEAD	A	—	—	D	Minimal	0	—
MOXEE	A	—	—	D	Minimal	0	—
MT.PLEASANT	A	—	—	D	Minimal	0	—
MUCK VALLEY	A	—	—	D	Minimal	0	—
MUD LAKE	A	—	—	D	Minimal	0	—
MYSTERY HILLS	A	—	—	D	Minimal	0	—
N AKRON	A	—	—	D	Minimal	0	—
NEPTUNE	A	—	—	C	Limited	0	—
NESBIT	A	—	—	C	Limited	0	—
NESBIT TAP	A	—	—	C	Limited	0	—
NEW GARDENVILLE	A	—	—	C	Limited	0	—
NIAGARA	A	—	—	C	Minimal	6	1,500
NORTH BROADWAY	A	—	—	D	Minimal	0	—
NORTH LOOP	A	—	—	D	Minimal	0	—
NORTH ROCHESTER	A	—	—	C	Limited	0	—
NORTH YUMA	A	—	—	D	Minimal	0	—
NORTHERN HILLS	A	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
NORTHSIDE DRIVE	A	—	—	D	Minimal	0	—
NORTHWEST JACKSON	A	—	—	D	Minimal	0	—
Not Available Substation	A	—	—	D	Minimal	0	—
OAK LAWN	A	—	—	D	Minimal	0	—
ONTARIO	A	—	—	D	Minimal	0	—
ORACLE	A	—	—	D	Minimal	0	—
ORACLE JUNCTION	A	—	—	D	Minimal	0	—
PACKARD	A	—	—	C	Minimal	7	1,420
PELLICER	A	—	—	D	Minimal	0	—
PENMAN	A	—	—	D	Minimal	0	—
PHEASANT BRANCH	A	—	—	D	Minimal	0	—
PICKFORD	A	—	—	D	Minimal	0	—
PILOT ROCK	A	—	—	D	Minimal	0	—
PINE RIVER	A	—	—	D	Minimal	0	—
PIT 1	A	—	—	D	Minimal	0	—
PLEASANT VIEW	A	—	—	D	Minimal	0	—
PLUM POINT	A	—	—	C	Limited	0	—
POCATELLO	A	—	—	D	Minimal	0	—
POMONA HEIGHTS	A	—	—	D	Minimal	0	—
PREBLE	A	—	—	D	Minimal	0	—
PULLIAM SW YD	A	—	—	D	Minimal	0	—
RACO	A	—	—	D	Minimal	0	—
RAMSEY	A	—	—	D	Minimal	0	—
RANCHO VISTOSO	A	—	—	D	Minimal	0	—
RANKIN	A	—	—	C	Limited	0	—
RATTLESNAKE	A	—	—	D	Minimal	0	—
RAY BRASWELL	A	—	—	D	Minimal	0	—
RED WILLOW	A	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
REGIS	A	—	—	C	Limited	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
REINER ROAD	A	—	—	D	Minimal	0	—
REX BROWN 230KV	A	—	—	D	Minimal	0	—
RILLITO	A	—	—	D	Minimal	0	—
RISER135657	A	—	—	C	Limited	0	—
RISER135658	A	—	—	C	Limited	0	—
RISER144264	A	—	—	D	Minimal	0	—
RISER144265	A	—	—	D	Minimal	0	—
RISER144424	A	—	—	C	Limited	0	—
RISER162998	A	—	—	C	Limited	0	—
RISER163001	A	—	—	D	Minimal	0	—
RISER163005	A	—	—	D	Minimal	0	—
RISER163087	A	—	—	D	Minimal	0	—
RISER171608	A	—	—	D	Minimal	0	—
RITCHIE STATION	A	—	—	D	Minimal	0	—
RIVER ROAD	A	—	—	C	Limited	0	—
RIVERTON	A	—	—	D	Minimal	0	—
RIVERTON 115/34 KV	A	—	—	D	Minimal	0	—
RIVERTON 230/115 KV	A	—	—	D	Minimal	0	—
ROBINSON ROAD	A	—	—	C	Minimal	2	94
ROBINSON ROAD	A	—	—	D	Minimal	0	—
ROBINSONVILLE	A	—	—	D	Minimal	0	—
ROCKVIEW	A	—	—	C	Limited	0	—
ROYSTER	A	—	—	C	Limited	0	—
ROZA	A	—	—	D	Minimal	0	—
RUBICON	A	—	—	D	Minimal	0	—
RUDYARD	A	—	—	D	Minimal	0	—
RUSKIN	A	—	—	C	Limited	0	—
S. RIPLEY	A	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
SADDLEBROOKE	A	—	—	D	Minimal	0	—
SADDLEBROOKE RANCH	A	—	—	D	Minimal	0	—
SAGUARO	A	—	—	D	Minimal	0	—
SALAMANCA/FRANK ST	A	—	—	D	Minimal	0	—
SALAMANCA/ROCHESTER ST	A	—	—	D	Minimal	0	—
SANBORN	A	—	—	C	Limited	0	—
SANDHILLS	A	—	—	D	Minimal	0	—
SANDY	A	—	—	C	Limited	0	—
SAWYER AVE	A	—	—	C	Limited	0	—
SAWYER LUMBER	A	—	—	D	Minimal	0	—
SCHICK	A	—	—	D	Minimal	0	—
SENECA TERMINAL	A	—	—	D	Minimal	0	—
SHALETON	A	—	—	D	Minimal	0	—
SHELDON SWITCH	A	—	—	D	Minimal	0	—
SHEPARD	A	—	—	C	Limited	0	—
SILVER CLIFF	A	—	—	D	Minimal	0	—
SILVER CREEK	A	—	—	D	Minimal	0	—
SOBIESKI	A	—	—	D	Minimal	0	—
SOMERSET	A	—	—	C	Minimal	12	3,277
SOUTH FORK	A	—	—	D	Minimal	0	—
SOUTH JACKSON	A	—	—	C	Limited	0	—
SOUTH JORDAN	A	—	—	C	Limited	0	—
SOUTH PARK	A	—	—	C	Limited	0	—
SOUTHAVEN	A	—	—	C	Limited	0	—
SOUTHWEST JACKSON	A	—	—	D	Minimal	0	—
SPRECHER	A	—	—	D	Minimal	0	—
SPRING BROOK	A	—	—	D	Minimal	0	—
SPRING RIDGE ROAD	A	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
SPRINGVILLE	A	—	—	D	Minimal	0	—
ST IGNACE	A	—	—	D	Minimal	0	—
STATION 138	A	—	—	C	Limited	0	—
STATION 140	A	—	—	C	Limited	0	—
STATION 153	A	—	—	D	Minimal	0	—
STATION 54	A	—	—	D	Minimal	0	—
STERLING	A	—	—	D	Minimal	0	—
STOLLE ROAD	A	—	—	D	Minimal	0	—
STRAITS	A	—	—	D	Minimal	0	—
SUAMICO	A	—	—	D	Minimal	0	—
SUN PRAIRIE	A	—	—	D	Minimal	0	—
SUNBEAM	A	—	—	D	Minimal	0	—
SWANN RD	A	—	—	B	Limited	0	—
SYCAMORE	A	—	—	C	Limited	0	—
SYRACUSE	A	—	—	D	Minimal	0	—
TAP124231	A	—	—	D	Minimal	0	—
TAP135057	A	—	—	D	Minimal	0	—
TAP135058	A	—	—	D	Minimal	0	—
TAP135307	A	—	—	D	Minimal	0	—
TAP135630	A	—	—	D	Minimal	0	—
TAP135631	A	—	—	D	Minimal	0	—
TAP135656	A	—	—	C	Limited	0	—
TAP136154	A	—	—	D	Minimal	0	—
TAP136155	A	—	—	D	Minimal	0	—
TAP136156	A	—	—	D	Minimal	0	—
TAP136168	A	—	—	D	Minimal	0	—
TAP138458	A	—	—	D	Minimal	0	—
TAP138728	A	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP138729	A	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP138730	A	—	—	D	Minimal	0	—
TAP138731	A	—	—	D	Minimal	0	—
TAP138732	A	—	—	D	Minimal	0	—
TAP139569	A	—	—	D	Minimal	0	—
TAP139570	A	—	—	D	Minimal	0	—
TAP139574	A	—	—	C	Limited	0	—
TAP139668	A	—	—	D	Minimal	0	—
TAP139671	A	—	—	D	Minimal	0	—
TAP139675	A	—	—	D	Minimal	0	—
TAP139676	A	—	—	C	Limited	0	—
TAP139782	A	—	—	D	Minimal	0	—
TAP139783	A	—	—	C	Limited	0	—
TAP139784	A	—	—	C	Limited	0	—
TAP139785	A	—	—	D	Minimal	0	—
TAP139786	A	—	—	D	Minimal	0	—
TAP139787	A	—	—	D	Minimal	0	—
TAP139788	A	—	—	D	Minimal	0	—
TAP139789	A	—	—	D	Minimal	0	—
TAP139790	A	—	—	C	Limited	0	—
TAP139791	A	—	—	C	Limited	0	—
TAP139792	A	—	—	C	Limited	0	—
TAP139793	A	—	—	C	Limited	0	—
TAP139794	A	—	—	C	Limited	0	—
TAP139795	A	—	—	C	Limited	0	—
TAP139796	A	—	—	C	Limited	0	—
TAP139797	A	—	—	C	Limited	0	—
TAP139798	A	—	—	C	Limited	0	—
TAP139799	A	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP139800	A	—	—	C	Limited	0	—
TAP139801	A	—	—	C	Limited	0	—
TAP139802	A	—	—	C	Limited	0	—
TAP139803	A	—	—	C	Limited	0	—
TAP139804	A	—	—	C	Limited	0	—
TAP139805	A	—	—	C	Limited	0	—
TAP139808	A	—	—	C	Limited	0	—
TAP139809	A	—	—	C	Limited	0	—
TAP139810	A	—	—	C	Limited	0	—
TAP139811	A	—	—	C	Limited	0	—
TAP139814	A	—	—	C	Limited	0	—
TAP139815	A	—	—	C	Limited	0	—
TAP139818	A	—	—	C	Limited	0	—
TAP139819	A	—	—	C	Limited	0	—
TAP139820	A	—	—	C	Limited	0	—
TAP139821	A	—	—	C	Limited	0	—
TAP139822	A	—	—	C	Limited	0	—
TAP139823	A	—	—	C	Limited	0	—
TAP139824	A	—	—	C	Limited	0	—
TAP139825	A	—	—	C	Limited	0	—
TAP139826	A	—	—	C	Limited	0	—
TAP139827	A	—	—	C	Limited	0	—
TAP139828	A	—	—	C	Limited	0	—
TAP139829	A	—	—	C	Limited	1	140
TAP139830	A	—	—	C	Limited	0	—
TAP139833	A	—	—	C	Limited	0	—
TAP139834	A	—	—	D	Minimal	0	—
TAP139835	A	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP139836	A	—	—	D	Minimal	0	—
TAP139837	A	—	—	C	Limited	0	—
TAP139838	A	—	—	C	Limited	0	—
TAP139839	A	—	—	C	Limited	0	—
TAP139840	A	—	—	C	Limited	0	—
TAP139841	A	—	—	C	Limited	0	—
TAP139842	A	—	—	C	Limited	1	20
TAP139843	A	—	—	C	Limited	1	20
TAP139844	A	—	—	C	Limited	0	—
TAP139845	A	—	—	C	Limited	0	—
TAP139846	A	—	—	C	Limited	0	—
TAP139847	A	—	—	C	Limited	0	—
TAP139848	A	—	—	C	Limited	0	—
TAP139849	A	—	—	C	Limited	0	—
TAP139850	A	—	—	C	Limited	0	—
TAP139851	A	—	—	C	Limited	0	—
TAP139852	A	—	—	C	Limited	0	—
TAP139853	A	—	—	C	Limited	0	—
TAP140127	A	—	—	D	Minimal	0	—
TAP140136	A	—	—	D	Minimal	0	—
TAP140479	A	—	—	D	Minimal	0	—
TAP140480	A	—	—	D	Minimal	0	—
TAP140482	A	—	—	D	Minimal	0	—
TAP140486	A	—	—	D	Minimal	2	75
TAP140488	A	—	—	C	Limited	0	—
TAP140490	A	—	—	D	Minimal	0	—
TAP140491	A	—	—	D	Minimal	0	—
TAP140502	A	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP140503	A	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP140575	A	—	—	D	Minimal	0	—
TAP140576	A	—	—	D	Minimal	0	—
TAP140613	A	—	—	D	Minimal	0	—
TAP140614	A	—	—	D	Minimal	0	—
TAP140649	A	—	—	D	Minimal	0	—
TAP140650	A	—	—	D	Minimal	0	—
TAP142014	A	—	—	D	Minimal	0	—
TAP142156	A	—	—	C	Limited	0	—
TAP142157	A	—	—	C	Limited	0	—
TAP143319	A	—	—	D	Minimal	0	—
TAP144833	A	—	—	C	Limited	0	—
TAP145194	A	—	—	D	Minimal	0	—
TAP145195	A	—	—	D	Minimal	0	—
TAP145198	A	—	—	C	Limited	0	—
TAP145199	A	—	—	D	Minimal	0	—
TAP145200	A	—	—	D	Minimal	0	—
TAP145201	A	—	—	D	Minimal	0	—
TAP145584	A	—	—	C	Limited	0	—
TAP145585	A	—	—	C	Limited	0	—
TAP145586	A	—	—	C	Limited	0	—
TAP145587	A	—	—	C	Limited	0	—
TAP145960	A	—	—	C	Limited	0	—
TAP145961	A	—	—	C	Limited	0	—
TAP146080	A	—	—	D	Minimal	0	—
TAP146129	A	—	—	D	Minimal	0	—
TAP146136	A	—	—	D	Minimal	0	—
TAP146137	A	—	—	D	Minimal	0	—
TAP146140	A	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP149001	A	—	—	D	Minimal	0	—
TAP149002	A	—	—	D	Minimal	0	—
TAP149095	A	—	—	D	Minimal	0	—
TAP149098	A	—	—	D	Minimal	0	—
TAP149968	A	—	—	D	Minimal	0	—
TAP153764	A	—	—	D	Minimal	0	—
TAP155709	A	—	—	D	Minimal	0	—
TAP155784	A	—	—	D	Minimal	0	—
TAP155785	A	—	—	D	Minimal	0	—
TAP155786	A	—	—	D	Minimal	0	—
TAP155787	A	—	—	D	Minimal	0	—
TAP155788	A	—	—	D	Minimal	0	—
TAP155791	A	—	—	D	Minimal	0	—
TAP155792	A	—	—	D	Minimal	0	—
TAP156233	A	—	—	D	Minimal	0	—
TAP156234	A	—	—	D	Minimal	0	—
TAP156235	A	—	—	D	Minimal	0	—
TAP156236	A	—	—	D	Minimal	0	—
TAP156237	A	—	—	C	Limited	0	—
TAP156238	A	—	—	D	Minimal	0	—
TAP156239	A	—	—	D	Minimal	0	—
TAP156240	A	—	—	D	Minimal	0	—
TAP156241	A	—	—	D	Minimal	0	—
TAP156242	A	—	—	D	Minimal	0	—
TAP156243	A	—	—	D	Minimal	0	—
TAP156244	A	—	—	C	Limited	0	—
TAP156245	A	—	—	C	Limited	0	—
TAP156246	A	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP158328	A	—	—	C	Limited	0	—
TAP158329	A	—	—	C	Limited	0	—
TAP158330	A	—	—	C	Limited	0	—
TAP160977	A	—	—	D	Minimal	0	—
TAP160981	A	—	—	C	Limited	0	—
TAP160982	A	—	—	C	Limited	0	—
TAP160985	A	—	—	D	Minimal	0	—
TAP160986	A	—	—	D	Minimal	0	—
TAP160987	A	—	—	D	Minimal	0	—
TAP160988	A	—	—	D	Minimal	0	—
TAP160989	A	—	—	D	Minimal	0	—
TAP161013	A	—	—	C	Limited	0	—
TAP161014	A	—	—	C	Limited	0	—
TAP161015	A	—	—	C	Limited	0	—
TAP161016	A	—	—	C	Limited	0	—
TAP161017	A	—	—	C	Limited	0	—
TAP161018	A	—	—	C	Limited	0	—
TAP161025	A	—	—	C	Limited	0	—
TAP161058	A	—	—	D	Minimal	2	75
TAP161635	A	—	—	D	Minimal	0	—
TAP161767	A	—	—	D	Minimal	0	—
TAP162999	A	—	—	C	Limited	0	—
TAP163000	A	—	—	D	Minimal	0	—
TAP166947	A	—	—	C	Limited	0	—
TAP166948	A	—	—	C	Limited	0	—
TAP166949	A	—	—	C	Limited	1	140
TAP166952	A	—	—	C	Minimal	1	300
TAP166953	A	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP169442	A	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP169498	A	—	—	D	Minimal	0	—
TAP169504	A	—	—	D	Minimal	0	—
TAP170759	A	—	—	D	Minimal	0	—
TAP170791	A	—	—	D	Minimal	0	—
TAP170820	A	—	—	C	Limited	0	—
TAP171232	A	—	—	D	Minimal	0	—
TAP171275	A	—	—	D	Minimal	0	—
TAP172056	A	—	—	C	Limited	0	—
TAP201757	A	—	—	C	Limited	0	—
TAP203204	A	—	—	C	Limited	0	—
TAP203205	A	—	—	C	Limited	0	—
TAP203531	A	—	—	C	Limited	0	—
TAP203532	A	—	—	C	Limited	0	—
TAP203545	A	—	—	C	Limited	0	—
TAP203558	A	—	—	D	Minimal	0	—
TAP203559	A	—	—	D	Minimal	0	—
TAP203971	A	—	—	D	Minimal	0	—
TAP204741	A	—	—	D	Minimal	0	—
TAP204758	A	—	—	D	Minimal	0	—
TAP204767	A	—	—	D	Minimal	0	—
TAP205243	A	—	—	C	Limited	0	—
TAP205244	A	—	—	C	Limited	0	—
TAP205247	A	—	—	C	Limited	0	—
TAP205248	A	—	—	C	Limited	0	—
TAP205249	A	—	—	C	Limited	0	—
TAP205291	A	—	—	D	Minimal	0	—
TAP205700	A	—	—	C	Limited	0	—
TAP205707	A	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP205708	A	—	—	D	Minimal	0	—
TAP205712	A	—	—	D	Minimal	0	—
TAP205713	A	—	—	D	Minimal	0	—
TAP205715	A	—	—	C	Limited	0	—
TAP205717	A	—	—	D	Minimal	0	—
TAP205738	A	—	—	D	Minimal	0	—
TAP205742	A	—	—	C	Limited	0	—
TAP205772	A	—	—	D	Minimal	0	—
TAP205774	A	—	—	D	Minimal	0	—
TAP205776	A	—	—	D	Minimal	0	—
TAP205777	A	—	—	D	Minimal	0	—
TAP205780	A	—	—	D	Minimal	0	—
TAP205781	A	—	—	D	Minimal	0	—
TAP205847	A	—	—	D	Minimal	0	—
TAP205869	A	—	—	D	Minimal	0	—
TAP205876	A	—	—	D	Minimal	0	—
TAP206116	A	—	—	D	Minimal	0	—
TAP206117	A	—	—	D	Minimal	0	—
TAP206118	A	—	—	D	Minimal	0	—
TAP206123	A	—	—	D	Minimal	0	—
TAP206124	A	—	—	D	Minimal	0	—
TAP206125	A	—	—	D	Minimal	0	—
TAP206127	A	—	—	D	Minimal	0	—
TAP206129	A	—	—	D	Minimal	0	—
TAP206131	A	—	—	D	Minimal	0	—
TAP206360	A	—	—	D	Minimal	0	—
TAP206361	A	—	—	D	Minimal	0	—
TAP206365	A	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP206402	A	—	—	D	Minimal	0	—
TAP206408	A	—	—	D	Minimal	0	—
TAP206413	A	—	—	D	Minimal	0	—
TAP206417	A	—	—	D	Minimal	0	—
TAP206536	A	—	—	D	Minimal	0	—
TAP206682	A	—	—	D	Minimal	0	—
TAP206683	A	—	—	D	Minimal	0	—
TAP206685	A	—	—	D	Minimal	0	—
TAP206687	A	—	—	D	Minimal	0	—
TAP206692	A	—	—	D	Minimal	0	—
TAP206694	A	—	—	D	Minimal	0	—
TAP206695	A	—	—	D	Minimal	0	—
TAP206696	A	—	—	D	Minimal	0	—
TAP206699	A	—	—	D	Minimal	0	—
TAP206700	A	—	—	D	Minimal	0	—
TAP206701	A	—	—	D	Minimal	0	—
TAP206717	A	—	—	D	Minimal	0	—
TAP206718	A	—	—	D	Minimal	0	—
TAP207169	A	—	—	D	Minimal	0	—
TAP207170	A	—	—	D	Minimal	0	—
TAP207192	A	—	—	D	Minimal	0	—
TAP207193	A	—	—	D	Minimal	0	—
TAP207276	A	—	—	D	Minimal	0	—
TAP207278	A	—	—	D	Minimal	0	—
TAP207279	A	—	—	D	Minimal	0	—
TAP207427	A	—	—	D	Minimal	0	—
TAP207940	A	—	—	C	Limited	0	—
TAP208153	A	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP208155	A	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP208779	A	—	—	D	Minimal	0	—
TAP208780	A	—	—	D	Minimal	0	—
TAP209102	A	—	—	D	Minimal	0	—
TAP209104	A	—	—	D	Minimal	0	—
TAP209106	A	—	—	D	Minimal	0	—
TAP209131	A	—	—	D	Minimal	0	—
TAP209582	A	—	—	D	Minimal	0	—
TAP209616	A	—	—	D	Minimal	0	—
TAP209681	A	—	—	D	Minimal	0	—
TAP209783	A	—	—	D	Minimal	0	—
TELEGRAPH RD	A	—	—	D	Minimal	0	—
THORNYDALE	A	—	—	D	Minimal	0	—
TILDEN	A	—	—	D	Minimal	0	—
TOKEN CREEK	A	—	—	D	Minimal	0	—
TONAWANDA	A	—	—	C	Limited	0	—
TONE	A	—	—	D	Minimal	0	—
TORTOLITA	A	—	—	D	Minimal	0	—
TOWER DR	A	—	—	D	Minimal	0	—
TROUT LAKE (ESE)	A	—	—	D	Minimal	0	—
TUNICA	A	—	—	D	Minimal	0	—
TWIN PEAKS	A	—	—	D	Minimal	0	—
TWINKLETOWN	A	—	—	C	Limited	0	—
UNION GAP	A	—	—	D	Minimal	0	—
UNIVERSITY (WPS)	A	—	—	D	Minimal	0	—
VALLEY CHILDREN'S HOSPITAL	A	—	—	D	Minimal	0	—
VAN BUREN ST	A	—	—	D	Minimal	0	—
VELP AVE	A	—	—	D	Minimal	0	—
VERNON TAP	A	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
W OLEAN	A	—	—	B	Limited	0	—
WAGES	A	—	—	D	Minimal	0	—
WAHPETON	A	—	—	D	Minimal	0	—
WALLS	A	—	—	C	Limited	0	—
WALNUT	A	—	—	D	Minimal	0	—
WEBER STATE UNIVERSITY	A	—	—	D	Minimal	0	—
WESMARK	A	—	—	D	Minimal	0	—
WEST INA	A	—	—	C	Limited	0	—
WEST JACKSON	A	—	—	D	Minimal	0	—
WESTERN	A	—	—	C	Limited	0	—
WESTFIELD VILLAGE	A	—	—	D	Minimal	0	—
Weston Substation	A	—	—	C	Limited	0	—
WHITE SWAN	A	—	—	D	Minimal	0	—
WOODARD	A	—	—	D	Minimal	0	—
WRAY	A	—	—	D	Minimal	0	—
YUMA	A	—	—	D	Minimal	0	—
ZUMBRO FALLS	A	—	—	D	Minimal	0	—
ZUMBRO RIVER	A	—	—	D	Minimal	0	—
AKZO SALT	B	—	—	D	Minimal	0	—
ARCADE	B	—	—	D	Minimal	0	—
BATAVIA	B	—	—	B	Limited	0	—
BIXBY HILL	B	—	—	D	Minimal	0	—
BLISS WINDPARK	B	—	—	D	Minimal	0	—
BROCKPORT	B	—	—	B	Limited	0	—
E BATAVIA	B	—	—	B	Limited	0	—
EAST GOLAH	B	—	—	B	Limited	0	—
FAIRPORT	B	—	—	D	Minimal	0	—
FARMINGTON	B	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
GIS-SUB-sci:NY:230kv	B	—	—	D	Minimal	0	—
GOLAH	B	—	—	D	Minimal	0	—
GUARDIAN GLASS	B	—	—	D	Minimal	0	—
HIGH SHELDON	B	—	—	D	Minimal	0	—
HOGAN RD	B	—	—	D	Minimal	1	25
LAPP	B	—	—	D	Minimal	1	300
MEYER	B	—	—	D	Minimal	0	—
MORTIMER	B	—	—	C	Limited	0	—
MUMFORD	B	—	—	B	Limited	0	—
N LAKEVILLE	B	—	—	D	Minimal	0	—
N LE ROY	B	—	—	D	Minimal	1	300
OAKFIELD	B	—	—	B	Limited	0	—
PANNELL	B	—	—	D	Minimal	3	565
PERRY #162	B	—	—	D	Minimal	0	—
QUAKER #121	B	—	—	D	Minimal	0	—
RISER161217	B	—	—	C	Limited	0	—
RISER161218	B	—	—	C	Limited	0	—
RISER161219	B	—	—	C	Limited	0	—
RISER161220	B	—	—	C	Limited	0	—
RISER161221	B	—	—	C	Limited	0	—
RISER161222	B	—	—	C	Limited	0	—
RISER161223	B	—	—	C	Limited	0	—
RISER161224	B	—	—	C	Limited	0	—
RISER161225	B	—	—	C	Limited	0	—
RISER166921	B	—	—	C	Limited	0	—
ROCHESTER #80	B	—	—	D	Minimal	0	—
SHELBY	B	—	—	B	Limited	0	—
SLEIGHT RD	B	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
SLOCUM RD	B	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
SOUR SPRINGS SWITCH	B	—	—	D	Minimal	0	—
SOUTH PERRY	B	—	—	D	Minimal	0	—
STATION #199	B	—	—	D	Minimal	0	—
STATION #204	B	—	—	D	Minimal	0	—
STATION #230	B	—	—	D	Minimal	0	—
STATION #52	B	—	—	D	Minimal	0	—
SWEDEN SWITCHES	B	—	—	D	Minimal	0	—
TAP138436	B	—	—	D	Minimal	1	25
TAP138437	B	—	—	D	Minimal	0	—
TAP138438	B	—	—	D	Minimal	0	—
TAP138439	B	—	—	D	Minimal	0	—
TAP138440	B	—	—	D	Minimal	0	—
TAP138442	B	—	—	D	Minimal	0	—
TAP138443	B	—	—	D	Minimal	0	—
TAP138444	B	—	—	C	Limited	0	—
TAP138445	B	—	—	C	Limited	0	—
TAP138446	B	—	—	D	Minimal	0	—
TAP138447	B	—	—	C	Limited	0	—
TAP138448	B	—	—	D	Minimal	0	—
TAP138449	B	—	—	D	Minimal	0	—
TAP140504	B	—	—	D	Minimal	0	—
TAP140505	B	—	—	D	Minimal	0	—
TAP140506	B	—	—	D	Minimal	0	—
TAP140507	B	—	—	D	Minimal	0	—
TAP140508	B	—	—	D	Minimal	0	—
TAP140509	B	—	—	D	Minimal	0	—
TAP140651	B	—	—	D	Minimal	0	—
TAP140652	B	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP140654	B	—	—	D	Minimal	0	—
TAP140655	B	—	—	D	Minimal	0	—
TAP144121	B	—	—	D	Minimal	0	—
TAP145365	B	—	—	D	Minimal	0	—
TAP145541	B	—	—	D	Minimal	0	—
TAP145542	B	—	—	D	Minimal	0	—
TAP145543	B	—	—	D	Minimal	0	—
TAP155789	B	—	—	D	Minimal	0	—
TAP155790	B	—	—	C	Limited	0	—
TAP161059	B	—	—	D	Minimal	0	—
TAP161060	B	—	—	D	Minimal	0	—
TAP161087	B	—	—	D	Minimal	0	—
TAP161088	B	—	—	D	Minimal	0	—
TAP161089	B	—	—	D	Minimal	0	—
TAP161103	B	—	—	D	Minimal	0	—
TAP161770	B	—	—	D	Minimal	0	—
TAP162550	B	—	—	C	Limited	0	—
TAP167223	B	—	—	D	Minimal	0	—
TAP173329	B	—	—	D	Minimal	0	—
W HAMLIN	B	—	—	B	Limited	0	—
WETHERSFIELD	B	—	—	B	Limited	0	—
YORK CENTER	B	—	—	D	Minimal	0	—
YORKSHIRE	B	—	—	D	Minimal	0	—
ANHEUSER BUSCH	C	—	—	D	Minimal	0	—
ASH STREET STATION 223	C	—	—	D	Minimal	0	—
BELMONT	C	—	—	B	Limited	0	—
BRIDGEPORT	C	—	—	B	Limited	0	—
BRISTOL HILL	C	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
BUTTERMILK	C	—	—	D	Minimal	3	610
CANANDAIGUA	C	—	—	D	Minimal	0	—
CASTLE GARDENS	C	—	—	D	Minimal	0	—
CLAY	C	—	—	D	Minimal	12	4,128
CORTLAND	C	—	—	B	Limited	0	—
DEADEND167224	C	—	—	D	Minimal	0	—
DELPHI	C	—	—	B	Limited	0	—
DEWITT	C	—	—	D	Minimal	3	610
EARLHAM	C	—	—	D	Minimal	0	—
ELBRIDGE	C	—	—	D	Minimal	0	—
ETNA	C	—	—	C	Minimal	2	250
EUCLID/OCWA	C	—	—	D	Minimal	0	—
FAY STREET	C	—	—	D	Minimal	0	—
FENNER	C	—	—	C	Limited	0	—
FITZPATRICK	C	—	—	D	Minimal	0	—
FRASER	C	—	—	D	Minimal	5	1,550
G E	C	—	—	D	Minimal	0	—
GENEVA BORDER CITY	C	—	—	D	Minimal	0	—
GILBERT MILLS	C	—	—	B	Limited	0	—
GIS-SUB-sci:NY:115kv	C	—	—	D	Minimal	0	—
HAMILTON RD	C	—	—	C	Limited	0	—
HAMMERHILL	C	—	—	D	Minimal	0	—
HARRIS	C	—	—	C	Limited	0	—
HILLSIDE	C	—	—	C	Limited	0	—
HOPKINS	C	—	—	B	Limited	0	—
HYATT RD	C	—	—	D	Minimal	0	—
KATTELVILLE	C	—	—	D	Minimal	0	—
LABRADOR	C	—	—	B	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
LAFAYETTE	C	—	—	C	Limited	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
LAPEER	C	—	—	D	Minimal	0	—
LYSANDER	C	—	—	B	Limited	0	—
MADISON COUNTY	C	—	—	D	Minimal	0	—
MILFORD	C	—	—	C	Limited	0	—
MILTON	C	—	—	D	Minimal	0	—
NINE MILE	C	—	—	D	Minimal	1	300
NORTH ENDICOTT	C	—	—	D	Minimal	0	—
OAKDALE	C	—	—	C	Minimal	2	500
OSWEGO	C	—	—	C	Limited	0	—
PALOMA	C	—	—	B	Limited	0	—
PEBBLE HILL	C	—	—	B	Limited	0	—
PETERBORO	C	—	—	B	Limited	0	—
PINE GROVE	C	—	—	B	Limited	0	—
RISER161081	C	—	—	D	Minimal	0	—
RISER161082	C	—	—	D	Minimal	0	—
ROBBLE AVE	C	—	—	D	Minimal	0	—
ROCK CUT	C	—	—	B	Limited	0	—
S OSWEGO	C	—	—	C	Limited	0	—
SCRIBA	C	—	—	D	Minimal	0	—
SITHE	C	—	—	D	Minimal	0	—
SORRELL HILL	C	—	—	B	Limited	0	—
SOUTHWOOD	C	—	—	B	Limited	0	—
STARR RD	C	—	—	B	Limited	0	—
STATE STREET	C	—	—	D	Minimal	1	50
SUNY	C	—	—	C	Limited	0	—
TAP139102	C	—	—	D	Minimal	0	—
TAP139103	C	—	—	D	Minimal	0	—
TAP139104	C	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP139298	C	—	—	D	Minimal	0	—
TAP139299	C	—	—	D	Minimal	0	—
TAP139300	C	—	—	C	Limited	0	—
TAP139301	C	—	—	C	Limited	0	—
TAP139302	C	—	—	C	Limited	0	—
TAP139303	C	—	—	C	Limited	0	—
TAP140331	C	—	—	D	Minimal	0	—
TAP140332	C	—	—	D	Minimal	0	—
TAP140334	C	—	—	D	Minimal	1	250
TAP140356	C	—	—	D	Minimal	0	—
TAP140411	C	—	—	C	Limited	0	—
TAP140412	C	—	—	C	Limited	0	—
TAP140413	C	—	—	C	Limited	0	—
TAP140414	C	—	—	C	Limited	0	—
TAP140415	C	—	—	C	Limited	0	—
TAP140420	C	—	—	D	Minimal	0	—
TAP140422	C	—	—	C	Limited	0	—
TAP140423	C	—	—	C	Limited	0	—
TAP140424	C	—	—	C	Limited	0	—
TAP140425	C	—	—	C	Limited	0	—
TAP140426	C	—	—	D	Minimal	0	—
TAP140427	C	—	—	D	Minimal	3	610
TAP140428	C	—	—	C	Limited	0	—
TAP140429	C	—	—	C	Limited	0	—
TAP140430	C	—	—	C	Limited	0	—
TAP140431	C	—	—	D	Minimal	0	—
TAP140432	C	—	—	D	Minimal	0	—
TAP140433	C	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP140434	C	—	—	D	Minimal	0	—
TAP140435	C	—	—	C	Limited	0	—
TAP140436	C	—	—	C	Limited	0	—
TAP140437	C	—	—	C	Limited	0	—
TAP140438	C	—	—	D	Minimal	0	—
TAP140439	C	—	—	D	Minimal	0	—
TAP140440	C	—	—	D	Minimal	0	—
TAP140441	C	—	—	D	Minimal	0	—
TAP140442	C	—	—	D	Minimal	0	—
TAP140443	C	—	—	D	Minimal	0	—
TAP140446	C	—	—	D	Minimal	0	—
TAP140447	C	—	—	D	Minimal	0	—
TAP140448	C	—	—	D	Minimal	0	—
TAP140449	C	—	—	D	Minimal	0	—
TAP140450	C	—	—	D	Minimal	0	—
TAP140451	C	—	—	D	Minimal	0	—
TAP140452	C	—	—	D	Minimal	0	—
TAP140453	C	—	—	D	Minimal	0	—
TAP140454	C	—	—	D	Minimal	4	1,376
TAP140455	C	—	—	D	Minimal	0	—
TAP140456	C	—	—	D	Minimal	0	—
TAP140457	C	—	—	D	Minimal	0	—
TAP140458	C	—	—	D	Minimal	0	—
TAP140459	C	—	—	D	Minimal	0	—
TAP140460	C	—	—	D	Minimal	4	1,376
TAP140461	C	—	—	D	Minimal	0	—
TAP140462	C	—	—	D	Minimal	0	—
TAP140463	C	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP140464	C	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP140465	C	—	—	C	Limited	0	—
TAP140466	C	—	—	C	Limited	0	—
TAP140467	C	—	—	D	Minimal	0	—
TAP141049	C	—	—	D	Minimal	0	—
TAP141050	C	—	—	D	Minimal	1	350
TAP141051	C	—	—	D	Minimal	3	570
TAP141052	C	—	—	D	Minimal	0	—
TAP141053	C	—	—	D	Minimal	1	300
TAP141054	C	—	—	D	Minimal	0	—
TAP141055	C	—	—	D	Minimal	0	—
TAP141056	C	—	—	D	Minimal	0	—
TAP141057	C	—	—	D	Minimal	0	—
TAP141058	C	—	—	C	Limited	0	—
TAP141059	C	—	—	C	Limited	0	—
TAP141060	C	—	—	D	Minimal	0	—
TAP141061	C	—	—	D	Minimal	0	—
TAP141062	C	—	—	D	Minimal	0	—
TAP141063	C	—	—	C	Limited	0	—
TAP141064	C	—	—	C	Limited	0	—
TAP141065	C	—	—	C	Limited	0	—
TAP141066	C	—	—	D	Minimal	1	300
TAP141067	C	—	—	D	Minimal	0	—
TAP141068	C	—	—	D	Minimal	0	—
TAP141069	C	—	—	D	Minimal	0	—
TAP141072	C	—	—	D	Minimal	0	—
TAP141241	C	—	—	D	Minimal	0	—
TAP141245	C	—	—	D	Minimal	0	—
TAP141248	C	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP141249	C	—	—	D	Minimal	0	—
TAP141297	C	—	—	D	Minimal	0	—
TAP144671	C	—	—	C	Limited	0	—
TAP145006	C	—	—	D	Minimal	0	—
TAP145007	C	—	—	D	Minimal	0	—
TAP145043	C	—	—	D	Minimal	0	—
TAP145267	C	—	—	C	Limited	0	—
TAP145298	C	—	—	C	Limited	0	—
TAP161083	C	—	—	D	Minimal	1	50
TAP161178	C	—	—	D	Minimal	0	—
TAP161179	C	—	—	D	Minimal	0	—
TAP161180	C	—	—	D	Minimal	0	—
TAP161181	C	—	—	D	Minimal	0	—
TAP161766	C	—	—	D	Minimal	0	—
TAP173533	C	—	—	C	Limited	0	—
TAP173587	C	—	—	D	Minimal	0	—
TAP173588	C	—	—	D	Minimal	0	—
TAP173591	C	—	—	D	Minimal	0	—
TAP173592	C	—	—	D	Minimal	0	—
TEAL	C	—	—	C	Limited	2	100
TEMPLE STATION 243	C	—	—	C	Limited	0	—
TILDEN	C	—	—	C	Limited	0	—
TULLY CENTER	C	—	—	B	Limited	0	—
VOLNEY	C	—	—	D	Minimal	0	—
WATERCURE	C	—	—	C	Limited	0	—
WESTOVER	C	—	—	D	Minimal	0	—
WHITMAN	C	—	—	C	Limited	0	—
WINE CREEK STATION	C	—	—	B	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
WINTERSET JUNCTION	C	—	—	D	Minimal	0	—
WOODARD	C	—	—	D	Minimal	2	100
WRIGHT AVENUE	C	—	—	D	Minimal	1	50
ADIRONDACK	D	—	—	D	Minimal	6	1,080
ALCOA MASSENA OPERATIONS - WEST PLANT	D	—	—	D	Minimal	0	—
BOONVILLE	D	—	—	D	Minimal	0	—
CHASES LAKE	D	—	—	D	Minimal	0	—
DULEY	D	—	—	D	Minimal	0	—
MASSENA	D	—	—	D	Minimal	7	7,165
MOSES	D	—	—	D	Minimal	5	4,230
PLATTSBURGH	D	—	—	D	Minimal	0	—
PLATTSBURGH	D	—	—	D	Minimal	0	—
RISER139858	D	—	—	D	Minimal	0	—
RYAN	D	—	—	C	Limited	0	—
STONY BROOK	D	—	—	D	Minimal	0	—
TAP135973	D	—	—	C	Limited	0	—
TAP135974	D	—	—	C	Limited	0	—
TAP135975	D	—	—	D	Minimal	0	—
TAP135976	D	—	—	D	Minimal	0	—
TAP135977	D	—	—	C	Limited	0	—
TAP135978	D	—	—	C	Limited	0	—
TAP136011	D	—	—	D	Minimal	0	—
TAP136012	D	—	—	D	Minimal	1	200
TAP136047	D	—	—	D	Minimal	0	—
TAP136048	D	—	—	D	Minimal	0	—
TAP139304	D	—	—	D	Minimal	0	—
TAP139305	D	—	—	C	Limited	0	—
TAP139306	D	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP139307	D	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP139308	D	—	—	D	Minimal	0	—
TAP139310	D	—	—	D	Minimal	0	—
TAP139311	D	—	—	D	Minimal	0	—
TAP139312	D	—	—	D	Minimal	0	—
TAP139863	D	—	—	D	Minimal	0	—
TAP139864	D	—	—	D	Minimal	0	—
TAP139865	D	—	—	D	Minimal	0	—
TAP140317	D	—	—	D	Minimal	0	—
TAP140318	D	—	—	D	Minimal	0	—
TAP140319	D	—	—	D	Minimal	0	—
TAP140320	D	—	—	D	Minimal	0	—
TAP140321	D	—	—	D	Minimal	0	—
TAP140322	D	—	—	D	Minimal	0	—
TAP140323	D	—	—	D	Minimal	0	—
TAP140324	D	—	—	D	Minimal	0	—
TAP140325	D	—	—	D	Minimal	0	—
TAP140335	D	—	—	D	Minimal	0	—
TAP140336	D	—	—	D	Minimal	0	—
TAP140337	D	—	—	D	Minimal	0	—
TAP140338	D	—	—	D	Minimal	0	—
TAP140339	D	—	—	D	Minimal	0	—
TAP140341	D	—	—	D	Minimal	0	—
TAP140342	D	—	—	D	Minimal	0	—
TAP140344	D	—	—	D	Minimal	2	360
TAP140345	D	—	—	D	Minimal	2	360
TAP140346	D	—	—	D	Minimal	0	—
TAP140347	D	—	—	D	Minimal	0	—
TAP140348	D	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP140349	D	—	—	D	Minimal	0	—
TAP140350	D	—	—	D	Minimal	0	—
TAP140351	D	—	—	D	Minimal	0	—
TAP140352	D	—	—	D	Minimal	0	—
TAP140353	D	—	—	D	Minimal	0	—
TAP140354	D	—	—	D	Minimal	0	—
TAP140355	D	—	—	D	Minimal	0	—
TAP140357	D	—	—	D	Minimal	0	—
TAP140358	D	—	—	D	Minimal	0	—
TAP140367	D	—	—	D	Minimal	0	—
TAP140368	D	—	—	D	Minimal	0	—
TAP140371	D	—	—	D	Minimal	0	—
TAP140372	D	—	—	D	Minimal	0	—
TAP141231	D	—	—	D	Minimal	0	—
TAP141232	D	—	—	D	Minimal	0	—
TAP141233	D	—	—	D	Minimal	0	—
TAP141234	D	—	—	D	Minimal	0	—
TAP141235	D	—	—	D	Minimal	0	—
TAP141238	D	—	—	D	Minimal	0	—
TAP141239	D	—	—	D	Minimal	1	120
TAP141240	D	—	—	D	Minimal	1	120
TAP141251	D	—	—	D	Minimal	5	3,295
TAP141260	D	—	—	D	Minimal	0	—
TAP141261	D	—	—	D	Minimal	5	3,295
TAP141262	D	—	—	D	Minimal	0	—
TAP145219	D	—	—	D	Minimal	0	—
TAP145432	D	—	—	D	Minimal	0	—
TAP172475	D	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP173589	D	—	—	D	Minimal	0	—
TAP173590	D	—	—	D	Minimal	0	—
WILLIS	D	—	—	D	Minimal	3	600
BOONVILLE VILLAGE	E	—	—	D	Minimal	0	—
CAMDEN WIRE	E	—	—	D	Minimal	0	—
CAVANAUGH	E	—	—	B	Limited	0	—
CHADWICKS	E	—	—	B	Limited	0	—
CHURCH STREET	E	—	—	D	Minimal	0	—
DEERFIELD	E	—	—	B	Limited	0	—
DUNLOP	E	—	—	D	Minimal	0	—
EDIC	E	—	—	D	Minimal	9	1,715
GILBOA	E	—	—	D	Minimal	0	—
GRIFFISS AIR BASE	E	—	—	D	Minimal	0	—
ILION	E	—	—	D	Minimal	3	300
LEIGH	E	—	—	D	Minimal	0	—
LEVITT	E	—	—	B	Limited	0	—
MADISON	E	—	—	B	Limited	0	—
MARCY	E	—	—	D	Minimal	7	915
ONEIDA	E	—	—	B	Limited	0	—
PORTER	E	—	—	D	Minimal	7	915
REVERE CO	E	—	—	D	Minimal	1	66
ROME	E	—	—	B	Limited	3	198
SALISBURY	E	—	—	D	Minimal	0	—
SCHUYLER	E	—	—	B	Limited	0	—
TAP135936	E	—	—	D	Minimal	0	—
TAP135937	E	—	—	D	Minimal	0	—
TAP135939	E	—	—	D	Minimal	0	—
TAP135940	E	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP135941	E	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP135942	E	—	—	D	Minimal	0	—
TAP135943	E	—	—	D	Minimal	0	—
TAP135944	E	—	—	D	Minimal	0	—
TAP135945	E	—	—	D	Minimal	0	—
TAP135946	E	—	—	D	Minimal	0	—
TAP136007	E	—	—	D	Minimal	0	—
TAP136008	E	—	—	D	Minimal	0	—
TAP139309	E	—	—	D	Minimal	0	—
TAP140315	E	—	—	D	Minimal	0	—
TAP140316	E	—	—	D	Minimal	0	—
TAP140326	E	—	—	D	Minimal	0	—
TAP140327	E	—	—	D	Minimal	0	—
TAP140328	E	—	—	D	Minimal	1	100
TAP140329	E	—	—	D	Minimal	0	—
TAP140330	E	—	—	D	Minimal	0	—
TAP140359	E	—	—	D	Minimal	0	—
TAP140360	E	—	—	D	Minimal	0	—
TAP140362	E	—	—	D	Minimal	0	—
TAP140363	E	—	—	D	Minimal	0	—
TAP140364	E	—	—	D	Minimal	0	—
TAP140365	E	—	—	D	Minimal	0	—
TAP140366	E	—	—	D	Minimal	1	66
TAP140369	E	—	—	D	Minimal	0	—
TAP140370	E	—	—	D	Minimal	0	—
TAP140373	E	—	—	D	Minimal	0	—
TAP141229	E	—	—	D	Minimal	0	—
TAP141230	E	—	—	D	Minimal	0	—
TAP141250	E	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP141258	E	—	—	D	Minimal	0	—
TAP141259	E	—	—	D	Minimal	0	—
TAP161163	E	—	—	D	Minimal	0	—
TAP161164	E	—	—	D	Minimal	0	—
TAP161165	E	—	—	D	Minimal	0	—
TERMINAL	E	—	—	D	Minimal	0	—
TURIN	E	—	—	D	Minimal	0	—
TURNING STONE	E	—	—	D	Minimal	0	—
VAHNUNDASIS	E	—	—	D	Minimal	0	—
VALLEY	E	—	—	D	Minimal	2	33
WALESVILLE	E	—	—	B	Limited	0	—
WATKINS RD	E	—	—	D	Minimal	1	100
AFTON	F	—	—	D	Minimal	0	—
ALPS	F	—	—	D	Minimal	0	—
ALTAMONT	F	—	—	B	Limited	0	—
ARTHUR ROAD	F	—	—	D	Minimal	0	—
ATHENS	F	—	—	C	Minimal	1	1,000
BALLSTON	F	—	—	B	Limited	0	—
BATTENKILL	F	—	—	B	Limited	0	—
BEACH GROVE	F	—	—	D	Minimal	0	—
BOYNTONVILLE	F	—	—	B	Limited	0	—
BROOK ROAD	F	—	—	B	Limited	0	—
BURDECK STREET	F	—	—	C	Limited	0	—
BUTLER	F	—	—	B	Limited	0	—
CHURCHTOWN	F	—	—	D	Minimal	0	—
COLUMBUS SOUTH	F	—	—	D	Minimal	0	—
COMSTOCK	F	—	—	B	Limited	0	—
CRARYVILLE	F	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
CURRY ROAD	F	—	—	C	Limited	0	—
DEADEND135713	F	—	—	C	Limited	0	—
DEADEND167230	F	—	—	C	Minimal	3	244
DOVER	F	—	—	D	Minimal	0	—
DUTCH CANYON	F	—	—	D	Minimal	0	—
EAST ARLINGTON	F	—	—	D	Minimal	0	—
EASTOVER	F	—	—	D	Minimal	0	—
EVERETT	F	—	—	D	Minimal	0	—
FREEHOLD	F	—	—	C	Limited	0	—
FRONT STREET	F	—	—	C	Limited	1	20
GENERAL ELECTRIC	F	—	—	C	Limited	3	60
GREENBUSH	F	—	—	B	Limited	0	—
GROOMS ROAD	F	—	—	D	Minimal	0	—
HARRIMAN	F	—	—	C	Limited	0	—
HARTFORD	F	—	—	D	Minimal	0	—
HOOKSINK	F	—	—	D	Minimal	0	—
HUDSON	F	—	—	B	Limited	0	—
JOHNSON ROAD	F	—	—	D	Minimal	0	—
KING PLANT	F	—	—	D	Minimal	0	—
KRUMKILL	F	—	—	D	Minimal	0	—
LASHER	F	—	—	D	Minimal	2	80
LAWRENCEVILLE	F	—	—	D	Minimal	0	—
LEEDS	F	—	—	C	Minimal	3	3,000
LONG LAKE	F	—	—	D	Minimal	0	—
MAPLE STREET	F	—	—	D	Minimal	0	—
MAPLEWOOD	F	—	—	B	Limited	6	240
MCKOWNVILLE	F	—	—	B	Limited	0	—
MENANDS	F	—	—	B	Limited	4	160

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
MOHICAN	F	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
MULBERRY	F	—	—	C	Limited	0	—
NEW BALTIMORE	F	—	—	C	Limited	0	—
NEW SCOTLAND	F	—	—	C	Minimal	7	373
NORTH CATSKILL	F	—	—	C	Minimal	1	1,000
NORTH TROY	F	—	—	B	Limited	0	—
OTIS	F	—	—	D	Minimal	0	—
PATROON	F	—	—	B	Limited	6	405
QUEENSBURY	F	—	—	B	Limited	0	—
REYNOLDS	F	—	—	C	Minimal	5	1,545
RISER125055	F	—	—	D	Minimal	0	—
RISER167231	F	—	—	D	Minimal	0	—
RIVERSIDE	F	—	—	B	Limited	0	—
ROTTERDAM	F	—	—	B	Limited	3	49
SAND CREEK	F	—	—	B	Limited	0	—
SCAPPOOSE	F	—	—	D	Minimal	0	—
SCHODACK	F	—	—	B	Limited	0	—
SEARSBURG	F	—	—	D	Minimal	0	—
SODEMAN	F	—	—	D	Minimal	0	—
SOUTH CAIRO	F	—	—	C	Limited	0	—
SPIER FALLS	F	—	—	D	Minimal	0	—
ST. LAWRENCE	F	—	—	D	Minimal	0	—
STATE CAMPUS	F	—	—	D	Minimal	4	175
STEPHENTOWN	F	—	—	C	Limited	0	—
SWAGGERTOWN	F	—	—	D	Minimal	0	—
TAP135560	F	—	—	D	Minimal	0	—
TAP135581	F	—	—	D	Minimal	0	—
TAP135690	F	—	—	C	Limited	0	—
TAP135691	F	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP135692	F	—	—	D	Minimal	0	—
TAP135714	F	—	—	C	Limited	0	—
TAP135715	F	—	—	D	Minimal	0	—
TAP135765	F	—	—	D	Minimal	0	—
TAP135766	F	—	—	D	Minimal	0	—
TAP135767	F	—	—	D	Minimal	0	—
TAP135768	F	—	—	D	Minimal	0	—
TAP135769	F	—	—	D	Minimal	0	—
TAP135770	F	—	—	D	Minimal	0	—
TAP135771	F	—	—	D	Minimal	0	—
TAP135793	F	—	—	D	Minimal	2	80
TAP135794	F	—	—	D	Minimal	0	—
TAP135795	F	—	—	D	Minimal	0	—
TAP135796	F	—	—	D	Minimal	0	—
TAP135797	F	—	—	D	Minimal	0	—
TAP135798	F	—	—	D	Minimal	0	—
TAP135799	F	—	—	D	Minimal	0	—
TAP135822	F	—	—	C	Limited	0	—
TAP135823	F	—	—	C	Limited	0	—
TAP135824	F	—	—	D	Minimal	0	—
TAP135825	F	—	—	D	Minimal	0	—
TAP135826	F	—	—	D	Minimal	0	—
TAP135828	F	—	—	D	Minimal	0	—
TAP135859	F	—	—	D	Minimal	0	—
TAP135860	F	—	—	C	Minimal	1	435
TAP135861	F	—	—	C	Limited	0	—
TAP135862	F	—	—	D	Minimal	2	135
TAP135864	F	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP135865	F	—	—	D	Minimal	0	—
TAP135866	F	—	—	D	Minimal	0	—
TAP135867	F	—	—	D	Minimal	0	—
TAP135868	F	—	—	D	Minimal	0	—
TAP135869	F	—	—	D	Minimal	0	—
TAP135870	F	—	—	D	Minimal	0	—
TAP135872	F	—	—	C	Minimal	1	435
TAP135947	F	—	—	D	Minimal	0	—
TAP136037	F	—	—	D	Minimal	0	—
TAP136038	F	—	—	D	Minimal	0	—
TAP136039	F	—	—	D	Minimal	0	—
TAP136040	F	—	—	D	Minimal	0	—
TAP136041	F	—	—	D	Minimal	0	—
TAP136042	F	—	—	D	Minimal	0	—
TAP136043	F	—	—	D	Minimal	0	—
TAP136044	F	—	—	C	Limited	0	—
TAP136045	F	—	—	C	Limited	0	—
TAP136046	F	—	—	D	Minimal	0	—
TAP136074	F	—	—	D	Minimal	0	—
TAP136075	F	—	—	D	Minimal	0	—
TAP136076	F	—	—	C	Limited	0	—
TAP136077	F	—	—	C	Minimal	3	244
TAP136078	F	—	—	D	Minimal	0	—
TAP136081	F	—	—	C	Limited	0	—
TAP136082	F	—	—	C	Limited	0	—
TAP136083	F	—	—	C	Limited	0	—
TAP136084	F	—	—	D	Minimal	0	—
TAP136124	F	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP136125	F	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP136126	F	—	—	C	Limited	0	—
TAP136127	F	—	—	C	Limited	0	—
TAP136603	F	—	—	D	Minimal	0	—
TAP136604	F	—	—	D	Minimal	0	—
TAP136605	F	—	—	D	Minimal	0	—
TAP136606	F	—	—	D	Minimal	0	—
TAP136607	F	—	—	D	Minimal	0	—
TAP136608	F	—	—	D	Minimal	0	—
TAP136609	F	—	—	C	Limited	0	—
TAP136610	F	—	—	C	Limited	0	—
TAP136611	F	—	—	C	Limited	0	—
TAP139674	F	—	—	D	Minimal	0	—
TAP142162	F	—	—	D	Minimal	0	—
TAP156247	F	—	—	C	Limited	2	80
TAP156248	F	—	—	C	Limited	2	80
TAP161119	F	—	—	C	Limited	0	—
TAP161120	F	—	—	C	Limited	0	—
TAP161258	F	—	—	D	Minimal	0	—
TAP161259	F	—	—	D	Minimal	0	—
TAP162100	F	—	—	D	Minimal	0	—
TAP167232	F	—	—	C	Limited	0	—
TAP167233	F	—	—	D	Minimal	0	—
TAP208766	F	—	—	D	Minimal	0	—
TRINITY	F	—	—	B	Limited	0	—
VOORHEESVILLE	F	—	—	B	Limited	0	—
WARREN	F	—	—	D	Minimal	0	—
WARRENSBURG	F	—	—	B	Limited	0	—
WEST MILTON	F	—	—	D	Minimal	2	80

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
WESTERLO	F	—	—	C	Limited	0	—
WHITEHALL	F	—	—	B	Limited	0	—
WOLF ROAD	F	—	—	D	Minimal	0	—
WYNANTSKILL	F	—	—	C	Limited	0	—
BARNEGAT	G	—	—	C	Limited	1	50
BULLS BRIDGE	G	—	—	C	Limited	0	—
COOPERS CORNER	G	—	—	D	Minimal	6	1,344
CROTON FALLS	G	—	—	C	Limited	0	—
DANSKAMMER	G	—	—	C	Limited	1	30
DASHVILLE	G	—	—	D	Minimal	0	—
E. FISHKILL	G	—	—	C	Minimal	2	200
EAST KINGSTON	G	—	—	C	Limited	0	—
FALLS VILLAGE	G	—	—	C	Limited	0	—
FISHKILL PLAINS	G	—	—	C	Limited	1	150
FORGEBROOK	G	—	—	C	Limited	0	—
GALEVILLE	G	—	—	B	Limited	0	—
GIS-SUB-sci:NY:345kv	G	—	—	D	Minimal	0	—
GREENFIELD ROAD	G	—	—	D	Minimal	0	—
GRIMLEY ROAD	G	—	—	D	Minimal	0	—
HIGH FALLS	G	—	—	C	Limited	0	—
HIGHLAND	G	—	—	D	Minimal	0	—
HONK FALLS	G	—	—	C	Limited	0	—
HURLEY AVENUE	G	—	—	D	Minimal	0	—
INWOOD AVE	G	—	—	C	Limited	0	—
KERHONKSON	G	—	—	C	Limited	0	—
KNAPPS CORNERS	G	—	—	C	Limited	1	50
LADENTOWN	G	—	—	C	Minimal	3	280
LINCOLN PARK	G	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
LONG MOUNTAIN	G	—	—	D	Minimal	0	—
MANCHESTER	G	—	—	D	Minimal	1	16
MARLBORO	G	—	—	C	Limited	1	30
MERRITT PARK	G	—	—	C	Limited	0	—
MILAN	G	—	—	D	Minimal	0	—
MODENA	G	—	—	C	Limited	0	—
NEW SPACKENKILL	G	—	—	D	Minimal	0	—
NORTH CHELSEA	G	—	—	C	Limited	0	—
OHIOVILLE	G	—	—	C	Limited	0	—
PAWLING	G	—	—	C	Limited	0	—
PLEASANT VALLEY	G	—	—	C	Minimal	3	50
RAMAPO	G	—	—	C	Minimal	3	280
REYNOLDS HILL	G	—	—	C	Limited	0	—
RHINEBECK	G	—	—	C	Limited	0	—
ROCK TAVERN	G	—	—	D	Minimal	0	—
ROCK TAVERN (115KV)	G	—	—	D	Minimal	0	—
ROCKY RIVER	G	—	—	C	Limited	0	—
ROSETON	G	—	—	C	Limited	1	30
SALISBURY	G	—	—	D	Minimal	0	—
SAND DOCK	G	—	—	C	Limited	1	50
SAUGERTIES	G	—	—	C	Limited	0	—
SHENANDOAH	G	—	—	C	Limited	2	200
SHOEMAKER	G	—	—	C	Limited	0	—
SMITHFIELD	G	—	—	D	Minimal	0	—
STURGEON POOL	G	—	—	C	Limited	0	—
SUGARLOAF	G	—	—	D	Minimal	0	—
SUGARLOAF	G	—	—	D	Minimal	0	—
SYLVAN LAKE	G	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP135693	G	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
TAP135694	G	—	—	D	Minimal	0	—
TAP135696	G	—	—	C	Limited	0	—
TAP135697	G	—	—	C	Limited	1	16
TAP135949	G	—	—	D	Minimal	0	—
TAP135950	G	—	—	D	Minimal	0	—
TAP141253	G	—	—	D	Minimal	0	—
TAP141254	G	—	—	D	Minimal	0	—
TAP161212	G	—	—	D	Minimal	1	1,000
W. HAVERSTRAW	G	—	—	C	Minimal	0	—
WICCOPEE	G	—	—	C	Limited	1	50
WOOD STREET	G	—	—	D	Minimal	3	3,000
WOODBOURNE	G	—	—	D	Minimal	0	—
ARMAWALK	H	—	—	D	Minimal	1	1,000
BUCHANAN	H	—	—	D	Minimal	3	600
KATONAH	H	—	—	C	Limited	0	—
MILLWOOD	H	—	—	D	Minimal	1	50
DUNWOODIE	I	—	—	C	Limited	0	—
PLEASENTVILLE	I	—	—	D	Minimal	3	150
SPRAIN BROOK	I	—	—	C	Limited	2	70
TAP140044	I	—	—	C	Limited	0	—
TAP140045	I	—	—	C	Limited	0	—
WATERSIDE	I	—	—	C	Limited	0	—
BRUCKNER	J	—	—	C	Limited	0	—
CORONA	J	—	—	D	Minimal	0	—
EAST 13TH STREET	J	—	—	D	Minimal	4	151
EAST 179TH STREET	J	—	—	C	Limited	0	—
EAST ASTORIA	J	—	—	D	Minimal	0	—
FAR ROCKAWAY	J	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
FARRAGUT	J	—	—	D	Minimal	8	319
GIS-SUB-sci:NY:138kv	J	—	—	D	Minimal	0	—
GOWANUS	J	—	—	C	Limited	1	50
HUDSON AVENUE	J	—	—	D	Minimal	7	269
JAMAICA	J	—	—	C	Limited	0	—
LEONARD STREET	J	—	—	D	Minimal	11	419
NORTH QUEENS	J	—	—	D	Minimal	0	—
PARKCHESTER	J	—	—	C	Limited	0	—
QUEENSBRIDGE	J	—	—	D	Minimal	0	—
RAINEY	J	—	—	D	Minimal	0	—
TREMONT	J	—	—	C	Limited	0	—
VERNON	J	—	—	D	Minimal	0	—
WEST 49TH STREET	J	—	—	D	Minimal	3	101
WEST 65TH STREET	J	—	—	D	Minimal	0	—
WEST ASTORIA	J	—	—	D	Minimal	0	—
BABYLON	K	—	—	C	Limited	0	—
BAR BEACH	K	—	—	D	Minimal	0	—
BELLMORE	K	—	—	D	Minimal	0	—
BETHPAGE	K	—	—	D	Minimal	0	—
BRENTWOOD	K	—	—	C	Limited	0	—
BRIDGEHAMPTON	K	—	—	D	Minimal	0	—
BRIGHTWATERS	K	—	—	D	Minimal	0	—
BROOKHAVEN	K	—	—	D	Minimal	0	—
Brookhaven Town Of Substation	K	—	—	D	Minimal	0	—
BROOKLYN	K	—	—	C	Limited	0	—
CANAL	K	—	—	D	Minimal	0	—
CENTEREACH	K	—	—	D	Minimal	0	—
CHELSEA SUBSTATION	K	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
CORAM	K	—	—	D	Minimal	0	—
CORONA AVE	K	—	—	D	Minimal	0	—
DEER PARK	K	—	—	D	Minimal	0	—
DEPOSIT	K	—	—	D	Minimal	0	—
DEWAR STREET	K	—	—	C	Limited	2	142
DUFFY AVENUE CONVERTER STATION	K	—	—	C	Limited	0	—
EAST GARDEN CITY	K	—	—	C	Limited	1	50
EAST HAMPTON	K	—	—	D	Minimal	0	—
EASTPORT	K	—	—	D	Minimal	0	—
ELWOOD	K	—	—	D	Minimal	0	—
FLOWERFIELD	K	—	—	C	Limited	0	—
GLEN HEAD	K	—	—	D	Minimal	0	—
GLENWOOD LANDING	K	—	—	D	Minimal	0	—
GREAT NECK	K	—	—	C	Limited	0	—
GREAT RIVER	K	—	—	D	Minimal	0	—
GREENLAWN	K	—	—	C	Limited	0	—
HEWLETT	K	—	—	D	Minimal	0	—
HOLBROOK	K	—	—	D	Minimal	3	530
HOLTSVILLE	K	—	—	D	Minimal	0	—
HOLTSVILLE MGU	K	—	—	D	Minimal	1	177
INDIAN HEAD	K	—	—	C	Limited	0	—
K STREET	K	—	—	C	Minimal	4	187
KILLINGLY	K	—	—	C	Limited	0	—
KINGSTON STREET	K	—	—	C	Minimal	2	142
LAKE ROAD	K	—	—	C	Limited	0	—
LEVITTOWN	K	—	—	C	Limited	0	—
MALVERNE	K	—	—	D	Minimal	0	—
MAPLEWOOD	K	—	—	C	Limited	4	160

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
MASSAPEQUA	K	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
MORICHES	K	—	—	D	Minimal	0	—
MOUNT SINAI	K	—	—	C	Limited	0	—
MOUNT SINAI	K	—	—	D	Minimal	0	—
NEW SOUTH ROAD	K	—	—	D	Minimal	0	—
NEWBRIDGE ROAD	K	—	—	C	Limited	0	—
NORTH BELLPORT	K	—	—	D	Minimal	0	—
NORTH SHORE BEACH	K	—	—	D	Minimal	0	—
NORTHPORT	K	—	—	D	Minimal	0	—
OAKWOOD	K	—	—	C	Limited	0	—
ORCHARD	K	—	—	D	Minimal	0	—
OYSTER BAY	K	—	—	C	Limited	0	—
PILGRIM	K	—	—	D	Minimal	1	50
PINELAWN	K	—	—	D	Minimal	0	—
PINES	K	—	—	D	Minimal	0	—
PORT WASHINGTON	K	—	—	D	Minimal	0	—
REVERE	K	—	—	C	Limited	0	—
RIDGE	K	—	—	D	Minimal	0	—
RONKONKOMA	K	—	—	D	Minimal	1	177
RULAND ROAD	K	—	—	D	Minimal	0	—
SHORE RD	K	—	—	B	Limited	0	—
SHOREHAM POWER STATION	K	—	—	C	Limited	0	—
SMITHTOWN	K	—	—	C	Limited	0	—
SOUTH END	K	—	—	C	Limited	0	—
SOUTH FARMINGDALE	K	—	—	D	Minimal	0	—
SOUTHAMPTON	K	—	—	D	Minimal	0	—
STATE SCHOOL	K	—	—	D	Minimal	0	—
STERLING	K	—	—	C	Limited	0	—
STONY BROOK	K	—	—	C	Limited	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
SUFFOLKAIRE	K	—	—	D	Minimal	0	—
SYOSSET	K	—	—	D	Minimal	0	—
TAP135490	K	—	—	C	Limited	0	—
TAP136399	K	—	—	C	Limited	0	—
TAP136402	K	—	—	C	Limited	0	—
TAP136403	K	—	—	D	Minimal	0	—
TAP136404	K	—	—	C	Limited	0	—
TAP136579	K	—	—	C	Limited	0	—
TAP140036	K	—	—	C	Limited	0	—
TAP140037	K	—	—	C	Limited	0	—
TAP140039	K	—	—	C	Limited	0	—
TAP141006	K	—	—	D	Minimal	0	—
TAP141007	K	—	—	C	Limited	0	—
TAP141008	K	—	—	D	Minimal	0	—
TAP141009	K	—	—	D	Minimal	0	—
TAP141010	K	—	—	D	Minimal	0	—
TAP141012	K	—	—	C	Limited	1	50
TAP141013	K	—	—	C	Limited	1	50
TERRYVILLE	K	—	—	C	Limited	0	—
TIANA	K	—	—	D	Minimal	0	—
TRACY	K	—	—	C	Limited	0	—
VALLEY STREAM	K	—	—	D	Minimal	0	—
WADING RIVER GAS TURBINES	K	—	—	D	Minimal	0	—
WATSON	K	—	—	D	Minimal	0	—
WEST BABYLON	K	—	—	C	Limited	0	—
WEST BARLETT	K	—	—	D	Minimal	0	—
WEST HEMPSTEAD	K	—	—	D	Minimal	1	50
WEST YAPHANK	K	—	—	D	Minimal	0	—

Substation Canonical Name	Zone	Transmission Owner	High Voltage	Evidence Tier	Readiness	Linked Reqs	Linked Exp. MW
WHITESIDE	K	—	—	D	Minimal	1	50
WILDWOOD	K	—	—	D	Minimal	0	—
WOLF HILL	K	—	—	D	Minimal	0	—
WOODBURY	K	—	—	D	Minimal	0	—
WOODMERE	K	—	—	D	Minimal	0	—
YAPHANK	K	—	—	D	Minimal	0	—

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Part VIII: Regulatory, Policy & Permitting Landscape

The expansion of large continuous loads in New York State is governed by an interlocking framework of state statutes, executive orders, and regulatory dockets before the New York Public Service Commission (PSC) and Department of Environmental Conservation (DEC).

Key Regulatory & Policy Directives

Governor's Executive Order 62 (EO 62): Directs state environmental agencies to review criteria for data center air permits and water withdrawals. Municipalities across Upstate New York have enacted local zoning moratoria pending comprehensive environmental and grid-capacity assessments.

CLCPA Mandates (Article 75 of ECL): New York's statutory mandate to achieve 70% renewable electricity by 2030 and 100% zero-emission power by 2040 imposes binding caps on fossil-fuel peaker runtimes, intensifying the requirement for firm clean power to support large data center loads.

PSC Interconnection Modernization (Case 20-E-0197 / Case 26-E-0045): Ongoing regulatory proceedings addressing cost allocation, cluster study frameworks, and deliverability upgrade obligations for large industrial interconnects.

Key Regulatory Dockets & Commission Proceedings

Case / Docket	Filing Utility / Entity	Document Title	Filing Date
14-01299	New York Solar Energy Industries Association	Cover Letter	2026-08-21
14-01299	New York Solar Energy Industries Association	NYSEIA Comments on PSEG-LI Utility 2.0 2026.	2026-08-21
14-01299	New York Battery and Energy Storage Technology Consortium	NY-BEST Comments on PSEG-LI Utility Plan	2026-08-20
24-E-0165	Office of State Senator Liz Krueger	Cover Letter	2026-08-07
24-E-0165	Office of State Senator Liz Krueger	Comments on Behalf of Senator Krueger and 47 Members of the Legislatur	2026-08-07
26-E-0045	State of New York Executive Chamber	In the Finger Lakes Region, Governor Hochul Highlights First Statewide	2026-07-29
24-E-0165	Town of Marbletown	Marbletown Initial Comments	2026-07-27
24-E-0165	Town of Marbletown	Cover Letter	2026-07-27
26-E-0045	State of New York Executive Chamber	On Long Island, Governor Hochul Highlights First Statewide Moratorium	2026-07-22
26-E-0045	State of New York Executive Chamber	In Western New York, Governor Hochul Highlights First Statewide Morato	2026-07-21
26-E-0045	Public Service Commission	GOVERNOR HOCHUL HIGHLIGHTS FIRST STATEWIDE MORATORIUM ON NEW HYPERSCAL	2026-07-16
26-E-0045	Public Service Commission	PRESS RELEASE - FIRST STATEWIDE MORATORIUM ON NEW HYPERSCALE DATA CENT	2026-07-14

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

Part IX: Methodological Architecture & Complete Source Registry

AIXEnergy's analytical architecture scores commercial energization probability through an additive, bounded linear combination of independent empirical feature families, coupled with an S-curve lead-time distribution:

$$P(\text{eventual}) = \text{clamp}(\text{base_rate} + \sum(w_i * f_i), 0.05, 0.95)$$

Base Realization Probability	24%
Active Feature Families	12 independent evidence families
Critical Path Timing S-Curves	Parametric sigmoid based on primary identified constraint
Load Realization Bounds	[0.35, 1.0]
Lead Model Architect	Clean Energy Research, LLC dba AIXEnergy by Brandon N. Owens
Institutional Platform	AIXEnergy Large Load Monitor (monitor.aixenergy.io)

9.1 Authoritative Registered Source Register

Source ID	Publishing Organization	Dataset Name	Coverage	Authority	Classification
ny_dps_dmm	NY Department of Public Service	Document and Matter Management (DMM) public d	New York State	Yes	critical
nyiso_mis	NYISO	Market & Operational Data - zonal load, LBMP,	NYISO (statewide, 11 load zones)	Yes	critical
nyiso_queue	NYISO	Interconnection queue workbook (nyiso.com/int	NYISO	Yes	critical
regional_gis_composite	internal GIS composite	Regional infrastructure/project GIS composite	national (filtered to NY at ingest)	Yes	critical
aixenergy_input_pack	AixEnergy (internal build pack)	"AixEnergy NYISO application data pack" - ten	NYISO	Yes	important
coned	Consolidated Edison	Hosting capacity page (static text extract) +	NYC, Westchester	Yes	important
hifld_substations	DHS HIFLD Open	Electric Substations	national (filtered to NY)	Yes	important
hifld_transmission_lines	DHS HIFLD Open	Electric Power Transmission Lines	national (filtered to NY)	Yes	important
national_grid_ny	National Grid (Niagara Mohawk)	New York Large Load Transmission Interconnect	Upstate NY	Yes	important
nyiso_planning	NYISO	Load & Capacity Data (Gold Book), Reliability	NYISO	Yes	important
nyseg	NYSEG (Avangrid)	2025 Distributed System Implementation Plan (	Central/Southern Tier/Hudson Valley NY	Yes	important
osm_overpass	OpenStreetMap / OpenInfraMap contributors	MV/LV power lines, distribution substations (	national (filtered to NY bbox)	Yes	important
project_research	various (developer sites, local permitting, IDA/PILOT, trade/local press)	Discovered large-load projects not present in	New York State	Yes	important
pseg_li	PSEG Long Island (LIPA)	Hosting capacity map access-request page	Long Island	Yes	important
utility_hosting_capacity	Joint Utilities of New York (National Grid, Con Edison)	Public substation-level hosting-capacity / pe	National Grid NY + Con Edison (NYC / Westchester)	Yes	important
central_hudson	Central Hudson Gas & Electric	Hosting capacity maps page (bot-protected, ke	Mid-Hudson Valley	Yes	supplemental
eia_860	US EIA	Form EIA-860 - generators, plants (context fo	national (filtered to NY)	Yes	supplemental
nypa	New York Power Authority	Load interconnection process page	Statewide (transmission + select generation)	Yes	supplemental
rge	Rochester Gas & Electric (Avangrid)	2025 Distributed System Implementation Plan (	Greater Rochester	Yes	supplemental

Source: Clean Energy Research, LLC dba AixEnergy by Brandon N. Owens (monitor.aixenergy.io).

DATA PROVENANCE & TAXONOMY

- **Primary Source Ingestion:** Continuous indexing across New York ISO (NYISO) queues, utility hosting capacity maps, regulatory dockets, EIA-860/923, and EPA CAMD.
- **22 Industrial Load Personas:** Standardized hourly curves for AI Clusters, Hyperscale Cloud, Semiconductor Fabs, Battery Gigafactories, and Hydrogen Electrolysis.
- **Substation Voltage Tiering:** Multi-stage normalization resolving Bulk Grid ($\geq 230\text{kV}$), Transmission (69-229kV), and Distribution ($< 69\text{kV}$) nodes.

PRIMARY INSTITUTIONAL USE CASES

- **Management & Energy Consultancies:** Accelerate large load due diligence screen substation headroom, and quantify transmission cost exposure.
- **Hyperscalers & Project Developers:** Identify high-capacity interconnection corridors, evaluate BYOG storage trade-offs, and monitor docket reforms.
- **Transmission Planners & Utilities:** Integrate bottom-up large load growth scenarios directly into PLEXOS, Aurora, and EnCompass models.

Platform Verification & Access: Explore the live database at monitor.aixenergy.io • Direct Inquiries: Brandon Owens • bowens@aixenergy.io