NYCA IRM Requirement Study 2026-2027 Preliminary Base Case (PBC) Model Assumptions Matrix

Draft V3.0

NYSRC

Installed Capacity Subcommittee Meeting #304

June 04, 2025

Load Forecast

#	Parameter	2025 Model Assumptions	2026 Model Assumptions	Basis for Recommendation	Model Change	
1a	Peak Load Forecast (Preliminary Base Case – Parametric & Sensitivities)	2024 Gold Book ¹ NYCA: 31,832.2 MW NYC: 11,227.5 MY LI: 5077.9 MW G-J: 15,298.5 MW (Attachment A1-a)	2025 Gold Book ¹ NYCA: 32,163.0 MW NYC: 11,048.2 MW LI: 5,111.2 MW G-J: 15,298.2 MW (Attachment A1-a)	Most recent Gold Book Forecast is used for Preliminary Base Case (PBC) parametric study and sensitivity cases	N	
1b	Winter Peak Load Forecast	N/A	2025 Gold Book ¹ NYCA: 25,093.0 MW NYC: 7,648.2 MW LI: 3,328.2 MW G-J: 10,766.3 MW (Attachment A1-b)	New for 2026-2027 IRM study with the adoption of the Enhanced Load Modeling and Behind-the-Meter (BTM) Solar Modeling enhancements. Most recent Gold Book Forecast is used for Preliminary Base Case parametric study and sensitivity cases	Y	
2	Peak Load Forecast (Final Base Case)	October 2024 Fcst NYCA: 31,649.7 MW ¹ NYC: 11,043.9 MW LI: 5,092.1 MW G-J: 15,205.1 MW	(Expected October 2024)	Updated Load Forecast in October will be used for Final Base Case (FBC)	TBD	

¹ Behind-the-Meter Net Generation (BTM:NG) resource loads have been incorporated into these numbers.

Load Forecast

#	Parameter	2025 Model Assumptions	2026 Model Assumptions	Basis for Recommendation	Model Change
3	Load Shape (Multiple Load Shape)	Bin 1-2: 2013 Bin 3-4: 2018 Bin 5-7: 2017			
4a	Load Forecast Uncertainty (LFU)	Zonal Model to reflect current data with input from Con Ed and LIPA. (Attachment A2)			
4b	LFU Winter	Attachment A3			
5	Annual Energy Forecast	N/A	2025 Gold Book NYCA: 155,460 GWh NYC: 50,100 GWh Ll: 20,040 GWh (Attachment A4)	New for 2026-2027 IRM study with the adoption of the Enhanced Load Modeling and BTM Solar Modeling enhancements. Production of load shapes are aligned with the annual energy forecast as per the Enhanced Load Modeling Whitepaper. Updated with most recent Gold Book Forecast.	Y



Generation Parameters

#	Parameter	2025 Model Assumptions	2026 Model Assumptions	Basis for Recommendation	Model Change
6	Existing Generating Unit Capacities	2024 Gold Book Values. Use min. (DMNC vs. CRIS) capacity value	2025 Gold Book Values. Use min. (DMNC vs. CRIS) capacity value	Latest Gold Book publication	N
7	Proposed New Units (Thermal) and re-ratings	47.0 MW summer re-rating for Thermal resources (Attachment B1)			
8	Deactivations and Removals	165.4 MW unit deactivations (Attachment B2)	100.9 MW generator deactivations and removals (Attachment B2)	Latest Gold Book publication and generator notifications	N
9	Forced and Partial Outage Rates	Five-year (2019-2023) GADS data for each unit represented. Those units with less than five years – use representative data. (Attachment C1)	Five-year (2020-2024) GADS data for each unit represented. Those units with less than five years – use representative data. (Attachment C1)	Transition rates representing the Equivalent Demand Forced Outage Rates (EFORd) during demand periods over the most recent five-year period	N
10	Planned Outages	Planned Outages are removed from the IRM study	Planned Outages are removed from the IRM study	Based on 2022-2023 IRM study FBC	N

Generation Parameters

#	Parameter	2025 Model Assumptions	2026 Model Assumptions	Basis for Recommendation	Model Change
11	Summer Maintenance	Nominal 50 MW – divided equally as 2 negative 25MW units in Load Zones J and K			
12	Combustion Turbine Derates	Derate based on temperature correction curves provided	Derate based on temperature correction curves provided	Operational history indicates the derates are in line with manufacturer's provided curves	N
13	Existing and Proposed New Wind Units	0 MW of offshore wind capacity additions 2,566.20 MW of qualifying wind. (Attachments G and B3)			
14a	Land-Based Wind Shape	Actual hourly plant output over the period 2019-2023. New units will use zonal hourly averages or nearby units.	Actual hourly plant output over the period 2020-2024. New units will use zonal hourly averages or nearby units.	Program randomly selects a wind shape of hourly production from the most recent five-year period for each model iteration.	N
14b	Offshore Wind Shape	Normalized offshore wind shapes as published by NYISO over the period 2017-2021	Normalized offshore wind shapes as published by NYISO over the period 2020-2024	Program randomly selects a wind shape of hourly production from the most recent five-year period for each model iteration.	N
15	Existing and Proposed New Solar Resources	267 MW of utility-scale solar capacity additions totaling 571.4 MW of qualifying solar capacity. (Attachment B3)			
16	Solar Shape	Actual hourly plant output over the period 2019-2023. New units will use zonal hourly averages or nearby units.	Actual hourly plant output over the period 2020-2024. New units will use zonal hourly averages or nearby units.	Program randomly selects a solar shape of hourly production from the most recent five-year period for each model iteration.	N

Generation Parameters

#	Parameter	2025 Model Assumptions	2026 Model Assumptions	Basis for Recommendation	Model Change
17	BTM:NG Program	No new BTM:NG resources, total of 182.2 MW (Attachment B5)	No new BTM:NG resources, total of 173.0 MW (Attachment B5)	Both the generation of the participating resources and the full host loads are modeled	N
18	Small Hydro Resources	Actual hourly plant output over the period 2019-2023	Actual hourly plant output over the period 2020-2024	Program randomly selects a hydro shape of hourly production from the most recent five-year period for each model iteration.	N
19	Large Hydro	Probabilistic model based on five years of GADS data (2019-2023)	Probabilistic model based on five years of GADS data (2020-2024)	Transition rates representing the EFORd during demand periods over the most recent five-year period.	N
20	Landfill Gas (LFG)	Actual hourly plant output over the period 2019-2023	Actual hourly plant output over the period 2020-2024	Program randomly selects an LFG shape of hourly production from the most recent five-year period for each model iteration.	N
21	New Energy Storage	0 MW of new battery storage scheduled.			
21	Resources (ESRs)	20 MW of total battery storage modeled.			
22	Energy Limited Resources (ELRs)	Based upon elections made by August 1 st , 2024 ES and small EL3 output	(Updated elections expected by August 1, 2025) ES and small EL3 output	Existing elections are made by August 1st and will be incorporated into the model	N
		limitations lifted at HB14	limitations lifted at HB14		

Transactions- Imports and Exports

#	Parameter	2025 Model Assumptions	2026 Model Assumptions	Basis for Recommendation	Model Change
23	Capacity Purchases	Existing Rights: PJM – 1,013 MW HQ – 1,190 MW All contracts modeled as equivalent contracts.			
24	Capacity Sales	Long Term firm sales Summer 266.6 MW			
25	Forward Capacity Market (FCM) Sales from a Locality ²	No sales modeled within study period			
26	Wheels through NYCA	300 MW HQ to NE equivalent contract			
27	New Unforced Capacity Deliverability Rights (UDRs)	No new UDRs identified			
28	New External Deliverability Rights (EDRs)	No new EDRs identified			

² Final FCM sales that will materialize are unknowable at the time of the IRM study. To reflect the impact these sales have on reliability, the NYISO applies a Locality Exchange Factor in the market.

Topology

#	Parameter	2025 Model Assumptions	2026 Model Assumptions	Basis for Recommendation	Model Change
29	Interface Limits	Updates to the Central East forward limits, and West-Central reverse limit	Updates to the Dysinger East forward limit, West Central reverse limit, Moses South forward limit, Central East forward limits, and Sprain Brook Dunwoodie South forward limit	Based on the 2025 NYISO Summer Operating Study, and 2023 Central-East Voltage Limit Study	N
30	New Transmission	None Identified	Addition of Smart Path Connect project	Based on 2024 NYISO Reliability Needs Assessment (RNA) and recent NYISO Short Term Assessment of Reliability (STAR) studies	N
31	AC Cable Forced Outage Rates	All existing Cable EFORds for NYC and LI to reflect most recent ten - year history (2014-2023) (Attachment E4)	All existing Cable EFORds for NYC and LI to reflect most recent ten - year history (2015-2024) (Attachment E4)	TO provided transition rates with NYISO review Based upon NYSRC recommendation	N
32	UDR Line Unavailability	Ten-year history of forced outages (2014-2023)	Ten-year history of forced outages (2015-2024)	NYISO/TO review Based upon NYSRC recommendation	N

Emergency Operating Procedures

#	Parameter	2025 Model Assumptions	2026 Model Assumptions	Basis for Recommendation	Model Change
33	Special Case Resources (SCRs)	July 2024 – 1,486.7 MW based on registrations and modeled with maximum capacity of 1,280.8 MW derated by hourly response rates. Utilize a new energy limited resource (ELR) functionality to model SCRs as duration limited resources with hourly response rates and limited to one call per day. Monthly variation based on historical experience.	July 2024 – 1,486.7 MW (preliminary) based on registrations and modeled with maximum capacity of 1,269.7 MW derated by hourly response rates. Utilize a new energy limited resource (ELR) functionality to model SCRs as duration limited resources with hourly response rates and limited to one call per day. Monthly variation based on historical experience.	Summer values calculated from July 2024 registrations accounting for updated historical performance.	N
34	Other Emergency Operating Procedures (EOPs)	400 MW of 10-min reserves maintained at load shedding Voluntary Curtailment and Public Appeals limited to 3 calls per year 804.6 MW of non-SCR/non-EDRP resources (Attachment D)			
35	EOP Structure	10 EOP steps modeled			

External Control Areas

#	Parameter	2025 Model Assumptions	2026 Model Assumptions	Basis for Recommendation	Model Change
36	РЈМ	Load and capacity data will be provided by PJM/NPCC CP-8 Data may be adjusted per NYSRC Policy 5. (Attachment E)			
37	ISONE, Quebec, IESO	Load and capacity data will be provided by ISONE/NPCC CP-8 Data may be adjusted per NYSRC Policy 5. (Attachment E)			
38	External Adjustments per Policy 5	If needed, add load to externals proportional to existing excess capacity.			
39	Reserve Sharing	All NPCC Control Areas indicate that they will initially share reserves equally among all members and then non-members.			
40	Emergency Assistance	Statewide emergency assistance allowed from neighbors: Bin 1: 1,470 MW Bin 2: 2,600 MW Bin 3-7: 3,500 MW Individual interface limits and PJM cables are also reduced by Bin (Attachment E5)			

Miscellaneous

	#	Parameter 2025 Model Assumptions 2026 Model Assumptions		Basis for Recommendation	Model Change	
	41	MARS Model Version	4.14.2179			
Ī	42	Environmental Initiatives	No new rules for 2025-2026 Capability Year	(Updated data expected July 2025 for FBC)	Review of existing regulations and rules	TBD

Attachment A1-a

NYCA Summer Load Forecast Coincident and Non-Coincident Peak: 2025-2026 Final Base Case (FBC) and 2026-2027 Preliminary Base Case (PBC)

	2025-2026 FBC												
Area	А	В	С	D	Е	F	G	Н	- 1	J	K	NYCA	G_J
NCP - Forecast	3,089.2	1,971.1	2,675.8	721.3	1,326.2	2,293.8	2,286.2	614.2	1,352.7	11,043.9	5,092.1		
CP - Forecast	2,926.8	1,925.4	2,596.5	693.0	1,291.2	2,239.2	2,235.5	600.7	1,323.1	10,802.3	5,016.0	31,649.7	
G-J Peak - Forecast							2,271.8	610.5	1,344.7	10,978.1			15,205.1

	2026-2027 PBC												
Area	А	В	С	D	E	F	G	Н	- 1	J	K	NYCA	G_J
NCP - Forecast	3,110.2	1,951.8	2,705.3	1,085.0	1,334.3	2,310.0	2,356.0	634.0	1,350.0	11,048.2	5,111.2		
CP - Forecast	2,947.2	1,906.8	2,625.3	1,042.0	1,299.3	2,255.0	2,304.0	620.0	1,320.0	10,808.2	5,035.2	32,163.0	
G-J Peak - Forecast							2,342.0	630.0	1,342.0	10,984.2			15,298.2

	Delta												
Area	А	В	С	D	Е	F	G	Н	1	J	K	NYCA	G_J
NCP - Forecast	21.0	-19.3	29.5	363.7	8.1	16.2	69.8	19.8	-2.7	4.3	19.1		
CP - Forecast	20.4	-18.6	28.8	349.0	8.1	15.8	68.5	19.3	-3.1	5.9	19.2	513.3	
G-J Peak - Forecast							70.2	19.5	-2.7	6.1			93.1

Attachment A1-b

NYCA Winter Load Forecast Coincident and Non-Coincident Peak: 2025-2026 FBC and 2026-2027 PBC

	2025-2026 FBC*												
Area	Area A B C D E F G H I J K NYCA G_J												
NCP - Forecast	2,308.5	1,647.5	2,548.6	1,043.0	1,316.3	1,934.0	1,535.0	519.0	895.0	7,498.3	3,349.4		
CP - Forecast	2,283.5	1,634.5	2,543.6	1,022.0	1,293.3	1,922.0	1,524.0	508.0	885.0	7,428.3	3,336.4	24,380.6	
G-J Peak - Forecast							1,521.0	506.0	885.0	7,472.3			10,384.3

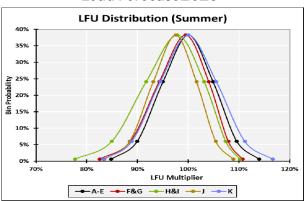
	2026-2027 IRM PBC												
Area	А	B C D E F G H I J K NYCA									G_J		
NCP - Forecast	2,355.2	1,588.8	2,650.3	1,274.0	1,359.3	1,930.0	1,667.0	536.0	953.0	7,648.2	3,328.2		-
CP - Forecast	2,327.2	2,327.2 1,577.8 2,640.3 1,249.0 1,334.3 1,917.0 1,662.0 525.0 94							947.0	7,598.2	3,315.2	25,093.0	
G-J Peak - Forecast							1,657.0	523.0	943.0	7,643.3			10,766.3

	Delta												
Area	А	В	С	D	E	F	G	Н	1	J	K	NYCA	G_J
NCP - Forecast	46.7	-58.7	101.7	231.0	43.0	-4.0	132.0	17.0	58.0	149.9	-21.2		
CP - Forecast	43.7	-56.7	96.7	227.0	41.0	-5.0	138.0	17.0	62.0	169.9	-21.2	712.4	
G-J Peak - Forecast							136.0	17.0	58.0	171.0			382.0

^{*}With the proposed implementation of the Enhanced Load Modeling (ELM) for the 2026-2027 IRM study, the winter forecast was not part of the 2025-2026 IRM study. The values are based on the information contained in the load forecast for the 2025-2026 FBC.

NYCA Summer Load Forecast Uncertainty Model: 2025 and 2026

Load Forecast 2025



Bin	Bin z	Bin Probability	A-E	F&G	I&H	٦	К
Bin 1	2.74	0.62%	113.93%	110.69%	110.18%	108.88%	116.62%
Bin 2	1.79	6.06%	109.54%	107.86%	107.34%	105.42%	111.14%
Bin 3	0.89	24.17%	104.86%	104.04%	103.09%	101.61%	105.52%
Bin 4	0.00	38.29%	100.00%	99.46%	97.81%	97.51%	100.00%
Bin 5	-0.89	24.17%	95.00%	94.29%	91.70%	93.12%	94.48%
Bin 6	-1.79	6.06%	89.91%	88.61%	84.93%	88.45%	88.89%
Bin 7	-2.74	0.62%	84.79%	82.53%	77.65%	83.48%	83.27%

Load Forecast 2026

NYCA Winter Load Forecast Uncertainty Model: 2026

NYCA Winter LFU Model (2025)

Bin	Bin z	Bin Probability	NYCA
Bin 1	2.74	0.62%	110.37%
Bin 2	1.79	6.06%	106.37%
Bin 3	0.89	24.17%	102.75%
Bin 4	0.00	38.29%	99.42%
Bin 5	-0.89	24.17%	96.29%
Bin 6	-1.79	6.06%	93.30%
Bin 7	-2.74	0.62%	90.41%

Annual Energy Forecast by Zone:

	Annual Energy Forecast by Zone - GWh											
Area	А	В	С	D	Е	F	G	Н	1	J	K	NYCA
2025*	15,960.0	10,000.0	14,590.0	5,850.0	7,010.0	11,030.0	9,230.0	2,740.0	5,530.0	49,210.0	19,870.0	151,020.0
2026	16,170.0	9,280.0	14,790.0	8,310.0	7,190.0	11,240.0	9,640.0	2,790.0	5,910.0	50,100.0	20,040.0	155,460.0
Delta	210.0	-720.0	200.0	2,460.0	180.0	210.0	410.0	50.0	380.0	890.0	170.0	4,440.0

^{*}With the proposed implementation of the Enhanced Load Modeling (ELM) for the 2026-2027 IRM study, the winter forecast was not part of the 2025-2026 IRM study. The values are based on the information contained in the load forecast for the 2025-2026 FBC.

New Thermal Units and Unit Re-Ratings

		New Thermal Ur	nits and Unit Re-rat	ings (summer ratings)	
Project or Generator Name	Zone	2025 Gold Book (MW) CRIS	2025 Gold Book (MW) DMNC	New or Incremental (MW)	2026 MARS Model (MW)
	ts				
Total New Units and Uprates (N					

Attachment B2 Deactivations and Removals

	Unit Removal since 202	25-2026 IRM Study	
Generator Name	Туре	Zone	SUMMER CRIS (MW)
Madison Wind Power	WT	E	11.5
Warrensburg	HY	F	2.9
Coxsackie GT	GT	G	19.7
Gowanus 3-6∗	TH	J	15.6
Narrows 2-1*	TH	J	18.8
Narrows 2-7*	TH	J	18.5
59th Street	DS	J	13.9
Total Removals			100.9

^{*} ICAP Ineligible Forced Outage (IIFO)

New Intermittent Resources

New Intermittent Units										
Resource	Zone	CRIS (MW)	Summer Capability (MW)	MARS Modeled Capacity						
Wind										
Total Wind										

Solar									
Total Solar									

New Energy Storage Resources

Energy Storage										
Resource	Zone CRIS (MW)		Summer Capability (MW)	Lesser of Summer Capability VS CRIS						
New Battery Units										
Total New Energy Storage										

Resources in the Behind-the-Meter Net Generation (BTM:NG) Resource Program

Attachment B5 - Units in the Behind-the-Meter Net Generation Resource Program*									
Generator Name	Zone	Resource Value (MW) ³	Peak Load Adjustment (MW) ⁴						
Existing:									
Stony Brook	К	0.0	39.2						
Greenidge 4	С	101.0	57.3						
Lyons Falls Hydro	Е	0.0	1.3						
KIAC_JFK	J	128.0	18.2						
Red Rochester	В	81.1	52.8						
Oxbow (Fortistar - N.Tonawanda)	А	51.7	4.2						
Total BTM-NG			173.0						



 $^{{}^{\}star}\text{The IRM}$ study independently models the generation and load components of BTM:NG Resources.

 $^{^{\}rm 3}\,\textsc{Based}$ on adjusted Dependable Maximum Gross Capability (DMGC) value.

⁴ Based on Average Coincident Host Load (ACHL).

NYCA Five Year Derating Factors – All Resources



NYCA Five Year Derating Factors - Intermittent Power Resources



Emergency Operating Procedures

Step	Procedure	2025 IRM MW Value	2026 IRM MW Value
1	Special Case Resources - Load, Gen	1,486.7 MW Enrolled / 1,280.8 MW Modeled	1,486.7 MW Enrolled (preliminary) / 1,269.7 MW Modeled
2	5% manual voltage Reduction	63.38 MW	
3	Thirty-minute reserve to zero	655 MW	
4	Voluntary industrial curtailment	260.74 MW Limited to 3 calls per year	
5	General Public Appeals	74 MW Limited to 3 calls per year	
6	5% remote voltage reduction	406.49 MW	
7	Emergency Purchases	Varies	
8	Ten-minute reserves to zero	910 MW (400 MW maintained at load shedding)	
9	Customer disconnections	As needed	
10	Adjustment used if IRM is lower than technical study margin	As needed	

IRM Topology

ISO-NE 14 Bubble Model

PJM Bubble Model

10-year Cable Outage Rate						
2014-23	2015-24					
5.31%	5.80%					

The facilities included in these averages are VFT, HTP, Dunwoodie-South, Y49/Y50, CSC, Neptune, Norwalk-Northport and A-Line.

	2025-2026 IRM Dynamic Emergency Assistance (EA) Interface Group Limits (MW)											
Area	Bin 1	Bin 2	Bin 3	Bin 4	Bin 5	Bin 6	Bin 7					
IESO	550	660	750 860 Maximum EA (1,950)									
ISONE	50	540	1,000 1,530 Maximum EA (1,804)									
PJM*	580	1,110			Maximum EA (1,415)							
HQ	Maximum EA (280)											
Total EA**	1,470	2,600			Maximum EA (3,500)							

	Dynamic EA PJM Cable Limits (MW)***											
Area	Bin 1	Bin 2	Bin 3 Bin 4 Bin 5 Bin 6 Bin 7									
НТР	90	173	Maximum EA (660)									
Neptune	90	173			Maximum EA (660)							
VFT	43	83	Maximum EA (315)									
A Line	14	28			Maximum EA (105)							

^{*} PJM ties limits are only applicable to A, C, and G ties, and individual cables are derated separately, in proportion to the Bin 1 and Bin 2 PJM interface group limits listed above

^{**} The total EA limit from all ties are derived from a separate regression analysis and may not match the sum of all group tie limits in each LFU bin

^{***} Limiting EA, does not affect contract capacity over UDRs

SCR Determinations 2025-2026 and 2026-2027 IRM Studies

	SCR Performance for 2026-2027 IRM Study											
0	SCR Enrollments (MW)			Response Rate	e (%) by Hour of	SCR Activation			Superzonal ACL to CBL			
Super Zones	oer Zones (Preliminary – To be updated for FBC) Event Hour 1 Event Hour 2 Event Hour 3 Event Hour 4 Event Hou						Event Hour 6	Event Hour 7	Translation Factor (%)			
A - E	783.4	82.33%	85.85%	85.54%	79.20%	75.61%	-	-	91.85%			
F	103.5	72.95%	79.54%	82.43%	83.29%	83.40%	70.40%	66.99%	89.18%			
G - I	90.6	61.08%	69.85%	72.12%	73.52%	74.47%	71.50%	-	83.46%			
J	478.7	57.53%	62.61%	66.97%	70.70%	72.29%	66.09%	-	72.92%			
K	30.6	51.20%	57.99%	63.12%	65.49%	64.82%	63.35%	52.63%	75.13%			
All Zones	1.486.7	66.77%	72.08%	74.61%	74.35%	73.83%	66.38%	58.14%				

	SCR Performance for 2025-2026 IRM Study											
			Superzonal ACL to CBL									
Super Zones	SCR Enrollments (MW)	Event Hour 1	Event Hour 2	Event Hour 3	Event Hour 4	Event Hour 5	Event Hour 6	Event Hour 7	Translation Factor (%)			
A - E	783.4	77.85%	83.57%	82.28%	70.24%	69.18%	0%	0%	93.45%			
F	103.5	75.94%	82.20%	85.24%	86.18%	85.54%	70.40%	66.99%	90.58%			
G - I	90.6	58.45%	67.53%	70.20%	71.94%	73.63%	71.48%	0%	84.07%			
J	478.7	55.04%	60.60%	65.47%	67.78%	68.80%	66.09%	0%	74.29%			
K	30.6	49.71%	56.72%	62.12%	64.63%	64.66%	63.36%	52.65%	76.11%			
All Zones	1,486.7	62.01%	68.39%	71.35%	69.61%	69.93%	66.38%	58.14%				

^{5.} These values represent no growth form July ICAP based enrollments for the previous year. Differences in data in this column are due to software rounding updates since the 2023-2024 IRM study. Updated data aligns with 2023 Gold Book values.



Performance Factor based on ACL methodology

^{7.} The SCR Adjustment factor captures two different performance derates: (1) Calculated Translation Factor (TF) between ACL and CBL values and (2) the Fatigue Factor (FF=1.00).

Wind Units Modeled

	Wind								
Resource	Zone	CRIS (MW)	Summer Capability (MW)	MARS Modeled Capability**					
Arkwright Summit Wind Farm [WT]	А	78.4	78.4	78.4					
Ball Hill Wind [WT]	А	100.0	107.5	100.0					
Bliss Wind Power [WT]	А	100.5	100.5	100.5					
Baron Winds [WT]	С	300.0	121.8	121.8					
Canandaigua Wind Power [WT]	С	125.0	125.0	125.0					
Eight Point Wind Energy Center [WT]	С	101.2	111.2	101.2					
High Sheldon Wind Farm [WT]	С	112.5	118.1	112.5					
Howard Wind [WT]	С	57.4	55.4	55.4					
Orangeville Wind Farm [WT]	С	94.4	93.9	93.9					
Wethersfield Wind Power [WT]	С	126.0	126.0	126.0					
Altona Wind Power [WT]	D	97.5	97.5	97.5					
Chateaugay Wind Power [WT]	D	106.5	106.5	106.5					
Clinton Wind Power [WT]	D	100.5	100.5	100.5					
Ellenburg Wind Power [WT]	D	81.0	81.0	81.0					
Jericho Rise Wind Farm [WT]	D	77.7	77.7	77.7					
Marble River Wind [WT]	D	215.2	215.2	215.2					
Bluestone Wind [WT]	E	124.2	111.8	111.8					
Hardscrabble Wind [WT]	E	74.0	74.0	74.0					
Maple Ridge Wind [WT01]	E	231.0	231.0	231.0					
Maple Ridge Wind [WT02]	E	90.7	90.8	90.7					
Munnsville Wind Power [WT]	E	34.5	34.5	34.5					
Number 3 Wind Energy [WT]	E	105.8	103.9	103.9					
Roaring Brook [WT]	E	79.7	79.7	79.7					
South Fork Wind Farm (Offshore)	K	136.0	132.0	132.0					
Total		2,749.7	2,573.9	2,550.7					

Wind Units Not Currently Participating in ICAP Market

	Wind												
Resource	Zone	Nameplate (MW)	CRIS (MW)	Summer Capability (MW)	MARS Modeled Capacity								
Cassadaga Wind [WT]	Α	126.5	126.0	0.0	0.0								
Erie Wind [WT]	Α	15.0	0.0	0.0	0.0								
Steel Wind [WT]	Α	20.0	0.0	0.0	0.0								
Fenner Wind [WT]	С	30.0	30.0	0.0	0.0								
Marsh Hill Wind Farm [WT]	С	16.2	0.0	0.0	0.0								
Copenhagen Wind [WT]	Е	79.9	79.9	0.0	0.0								
Total		287.6	235.9	0.0	0.0								

Solar Units Modeled

Solar									
Resource	Zone	CRIS (MW)	Summer Capability (MW)	Lesser of Summer Capability vs. CRIS					
Janis Solar [PV]	С	20.0	20.0	20.0					
Morris Ridge Solar Energy Center	С	179.0	179.0	179.0					
Puckett Solar [PV]	С	20.0	20.0	20.0					
Albany County	F	20.0	20.0	20.0					
Albany County II	F	20.0	20.0	20.0					
Branscomb Solar [PV]	F	20.0	20.0	20.0					
Darby Solar [PV]	F	20.0	20.0	20.0					
East Point Solar	F	50.0	50.0	50.0					
Grissom Solar [PV]	F	20.0	20.0	20.0					
High River Solar	F	90.0	90.0	90.0					
Pattersonville Solar [PV]	F	20.0	20.0	20.0					
Regan Solar [PV]	F	20.0	20.0	20.0					
ELP Stillwater Solar [PV]	F	20.0	20.0	20.0					
Calverton Solar Energy Center [PV]	К	22.9	22.9	22.9					
Long Island Solar Farm [PV]	K	31.5	31.5	31.5					
Total		573.4	573.4	573.4					

Solar Units Not Modeled

Solar								
Resource	Zone	CRIS (MW)	Summer Capability (MW)	Lesser of Summer Capability vs. CRIS				
Shoreham Solar [PV]*	K	25.0	0.0	0.0				
Total		25.0	0.0	0.0				

^{*}Unit provides power at the distribution rather than at the transmission level.

Landfill Gas (LFG) Units Modeled

LFG								
Resource	Zone	CRIS (MW)	Summer Capability (MW)	Lesser of Summer Capability VS CRIS				
CHAFFEE [IC]	А	6.4	6.4	6.4				
Model City Energy LFGE [IC]	A	5.6	5.6	5.6				
Modern LFGE [IC]	A	6.4	6.4	6.4				
Hyland LFGE [IC]	В	4.8	4.8	4.8				
Mill Seat [IC]	В	6.4	6.4	6.4				
Broome 2 [IC]	С	2.0	2.1	2.0				
Broome LFGE [IC]	С	2.1	2.4	2.1				
High Acres Group [IC] (23767)	С	9.6	9.6	9.6				
Ontario LFGE [IC]	С	11.2	11.2	11.2				
Seneca Energy Group [IC] (23797)	С	17.6	17.6	17.6				
Clinton LFGE [IC]	D	6.4	6.4	6.4				
DANC LFGE [IC]	E	6.4	6.4	6.4				
Oneida-Herkimer LFGE [IC]	E	3.2	3.2	3.2				
Colonie LFGTE [IC]	F	6.4	6.4	6.4				
Fulton County Landfill [IC]	F	3.2	3.2	3.2				
Albany LFGE	F	4.5	5.6	4.5				
Totals		102.2	103.7	102.2				

Landfill Gas (LFG) Units Not Modeled

LFG							
Resource	Zone	CRIS (MW)	Summer	Lesser of Summer Capability VS CRIS			
			Capability (MW)				
Chautauqua LFGE	Α	9.6	0.0	0.0			
Synergy Biogas	В	2.0	0.0	0.0			
Madison County LFGE [IC]		1.6	0.0	0.0			
Total		13.2	0.0	0.0			

Assumption Matrix History

Date	Ver	Preliminary Base Case	Date	Ver	Final Base Case
02/05/2025	V0.0	Preliminary assumptions without attachments			
04/02/2025	V1.0	Preliminary assumptions (Items 8, 13, and Attachments B2 and G) and addition of Items 1a and 1b and Attachments A1-a and A1-b (pending approval of Enhanced Load Modeling improvements)			
04/29/2025	V2.0	Preliminary assumptions (Items 8, 14a, 16, 18, 20, 22, 33 and Attachments B2, D, and F)			
06/04/2025	V3.0	Preliminary assumptions and addition of Attachment A4			