New York ISO
Independent System Operator

Short-Term Assessment of Reliability: 2024 Q4 Key Study Assumptions

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October 21, 2024

STAR Process Information

- **The NYISO posted the 2024 Q3 STAR on October 11, 2024**
  - This assessment did not identify any new Short-Term Reliability Process Need.
  - The assessment continued to observe from the 2023 Quarter 2 STAR that the New York City locality is deficient on the peak summer day during expected weather conditions. The NYISO designated the generators on the Gowanus 2 & 3 and Narrows 1 & 2 barges to temporarily remain in operation after the DEC Peaker Rule compliance date (May 1, 2025) until permanent solutions to the Need are in place, for an initial period of up to two years (May 1, 2027).
- **For the 2024 Q4 STAR, the NYISO is assessing the reliability of the Bulk Power Transmission Facilities (BPTF)**
- **The NYISO plans to post the 2024 Q4 STAR by January 13, 2024**
- **The 2025 Q1 STAR will commence on January 15, 2024**

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Study Assumptions

- **The most recent base cases from the Reliability Planning Process are those used for the 2024 Reliability Needs Assessment (RNA)**
  - The 2024 RNA Base Case and the inclusion rules application (link here) presented at the April 18, 2024 ESPWG/TPAS are provided at the end of this presentation for reference
  - The 2024 RNA draft report and appendices were discussed at the October 9, 2024 TPAS/ESPWG (here)
- **Study Period**
  - October 15, 2024 (STAR Start Date) through October 15, 2029

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Updated Study Assumptions for 2024 Q4 STAR

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Updated Generation Assumptions

- **The changes to generation assumptions compared to the Q3 STAR include the following:**
  - Generator deactivations:
    - No units have completed a generator deactivation notice
  - Generator return-to-service:
    - No units have returned to service
  - Additions:
    - There are no new additions beyond those included in the 2024 RNA
    - Since the prior STAR, the following units have entered service:
      - High River Solar (323847), 90 MW nameplate, Zone F, in-service on July 3rd, 2024
      - Morris Ridge Solar (323848), 177 MW nameplate, Zone C, in-service on September 19th, 2024
- **Other:**
  - To address the need identified in the 2023 Q2 STAR, the NYISO designated the generators on the Gowanus 2 & 3 and Narrows 1 & 2 barges to temporarily remain in operation after the DEC Peaker Rule compliance date (May 1, 2025) until permanent solutions to the Need are in place, for an initial period of up to two years (May 1, 2027)
  - The NYISO will model the generators on the Gowanus 2 & 3 and Narrows 1 & 2 barges in-service until May 1, 2025, and out-of-service thereafter.

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Transmission Assumptions

- **The changes to transmission assumptions compared to the prior STAR include:**
  - Existing transmission Outages

From	To	kV	ID	Out-of-Service Through	
				Prior STAR	Current STAR
Plattsburgh (1)	Plattsburgh	230/115	AT1	10/2024	3/2025
Stolle Rd	Stolle Rd	115	T11-52	9/2024	12/2024
Moses	Moses	230/115	AT2	1/2024	In-service

Notes

(1) A spare transformer is placed in-service during the outage

  - Proposed transmission
    - No changes compared to the 2024 RNA

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Load Assumptions

- This assessment utilizes the forecasts provided in the 2024 Gold Book consistent with the 2024 RNA.

Baseline Summer Coincident Peak Demand Forecast (MW)												
Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2025	2,821	1,969	2,559	689	1,317	2,273	2,157	615	1,334	10,960	4,956	31,650
2026	2,853	2,000	2,598	871	1,276	2,229	2,167	620	1,341	10,990	4,955	31,900
2027	2,835	1,993	2,612	1,050	1,238	2,235	2,183	625	1,351	11,020	4,968	32,110
2028	2,799	1,968	2,639	1,051	1,222	2,225	2,209	632	1,363	11,040	4,982	32,130
2029	2,770	1,951	2,790	1,054	1,218	2,225	2,251	642	1,380	11,050	5,009	32,340
Baseline Winter Coincident Peak Demand Forecast (MW)												
Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2025-26	2,283	1,584	2,481	1,022	1,292	1,922	1,524	508	885	7,410	3,299	24,210
2026-27	2,348	1,626	2,587	1,169	1,289	1,931	1,548	512	896	7,490	3,334	24,730
2027-28	2,402	1,647	2,675	1,258	1,304	2,001	1,591	522	914	7,560	3,396	25,270
2028-29	2,444	1,670	2,797	1,259	1,323	2,037	1,640	532	933	7,660	3,465	25,760
2029-30	2,499	1,700	2,941	1,263	1,349	2,083	1,700	537	955	7,770	3,553	26,350

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Large Load Assumptions

- Cryptocurrency mining and hydrogen production large loads will be flexible during system peak demand conditions based on communications with load developers and recent operating experience.

Large Loads Summer Peak Forecasts (MW)

Reflects Cumulative Existing and Future Load Impacts of Large Load Projects

Zone	A	B	C	D	E	F	NYCA Total	Flexible Total
2024	188	0	0	169	11	0	368	357
2025	288	150	0	173	19	0	630	611
2026	348	248	122	352	21	0	1,091	998
2027	348	248	218	534	21	40	1,409	1,180
2028	348	248	338	534	21	40	1,529	1,180
2029	348	248	492	534	21	40	1,683	1,180
2030	348	248	703	534	21	40	1,894	1,180
2031	348	248	818	534	21	40	2,009	1,180
2032	348	248	933	534	21	40	2,124	1,180
2033	348	248	1,048	534	21	40	2,239	1,180
2034	348	248	1,077	534	21	40	2,268	1,180

Note: These projections are included in the baseline zonal forecasts, and should not be added as additional load.

Large Loads Winter Peak Forecasts (MW)

Reflects Cumulative Existing and Future Load Impacts of Large Load Projects

Zone	A	B	C	D	E	F	NYCA Total	Flexible Total
2024-25	188	0	0	173	11	0	372	361
2025-26	288	150	0	324	21	0	783	762
2026-27	348	248	122	462	21	0	1,201	1,108
2027-28	348	248	218	534	21	40	1,409	1,180
2028-29	348	248	338	534	21	40	1,529	1,180
2029-30	348	248	492	534	21	40	1,683	1,180
2030-31	348	248	703	534	21	40	1,894	1,180
2031-32	348	248	818	534	21	40	2,009	1,180
2032-33	348	248	933	534	21	40	2,124	1,180
2033-34	348	248	1,048	534	21	40	2,239	1,180
2034-35	348	248	1,077	534	21	40	2,268	1,180

Note: These projections are included in the baseline zonal forecasts, and should not be added as additional load.

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Questions?

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Changes to Study Assumptions for 2024 Q4 STAR Compared to 2024 RNA Assumptions

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DEC's Peaker Rule Assumptions

Items shown in blue text reflect status updates since the prior STAR

Owner/Operator	Station	Zone	Nameplate (MW)	CRIS (MW) (1)		Capability (MW) (1)		Status Change Date (2)	STAR Evaluation or Other Assessment
				Summer	Winter	Summer	Winter		
National Grid	West Babylon 4 (6) (7)	K	52.4	49.0	64.0	41.2	63.4	12/12/2020 (R)	Other
National Grid	Glenwood GT 01 (4) (7)	K	16.0	14.6	19.1	13.0	15.3	2/28/2021 (R)	2020 Q3
Helix Ravenswood, LLC	Ravenswood 11 (12)	J	25.0	20.2	25.7	16.1	22.4	12/1/2021 (IIFO)	2022 Q1/2023 Q3
Helix Ravenswood, LLC	Ravenswood 01 (12)	J	18.6	8.8	11.5	7.7	11.1	1/1/2022 (IIFO)	2022 Q1/2023 Q3
Astoria Generating Company, L.P.	Gowanus 1-1 through 1-8	J	160.0	138.7	181.1	133.1	182.2	11/1/2022 (R)	2022 Q2
Astoria Generating Company, L.P.	Gowanus 4-1 through 4-8	J	160.0	140.1	182.9	138.8	183.4	11/1/2022 (R)	2022 Q2
Consolidated Edison Co. of NY, Inc.	Hudson Ave 3	J	16.3	16.0	20.9	12.3	15.6	11/1/2022 (R)	2022 Q2
Consolidated Edison Co. of NY, Inc.	Hudson Ave 5	J	16.3	15.1	19.7	15.3	18.6	11/1/2022 (R)	2022 Q2
Central Hudson Gas & Elec. Corp.	Coxsackie GT (8)	G	21.6	21.6	26.0	19.7	22.7	12/31/2025 (14)	2024 Q1
Central Hudson Gas & Elec. Corp.	South Cairo (8)	G	21.6	19.8	25.9	14.6	20.7	3/31/2024 (R)	2023 Q4
Consolidated Edison Co. of NY, Inc.	74 St. GT 1 & 2 (10)	J	37.0	39.1	49.2	37.8	43.6	5/1/2023	2022 Q2
NRG Power Marketing, LLC	Astoria GT 2-1, 2-2, 2-3, 2-4	J	186.0	165.8	204.1	138.0	184.2	5/1/2023 (R)	2022 Q2
NRG Power Marketing, LLC	Astoria GT 3-1, 3-2, 3-3, 3-4	J	186.0	170.7	210.0	139.1	180.4	5/1/2023 (R)	2022 Q2
NRG Power Marketing, LLC	Astoria GT 4-1, 4-2, 4-3, 4-4	J	186.0	167.9	206.7	138.5	178.6	5/1/2023 (R)	2022 Q2
Helix Ravenswood, LLC	Ravenswood 10	J	25.0	21.2	27.0	16.1	20.3	5/1/2023 (R)	2022 Q3
National Grid	Glenwood GT 03 (3) (4)	K	55.0	54.7	71.5	52.0	65.9	5/1/2023	
National Grid	Northport GT (9)	K	16.0	13.8	18.0	8.3	12.7	5/1/2023	
National Grid	Port Jefferson GT 01 (9)	K	16.0	14.1	18.4	13.0	15.3	5/1/2023	
National Grid	Shoreham 1 (3) (4)	K	52.9	48.9	63.9	42.0	63.0	5/1/2023	
National Grid	Shoreham 2 (3) (4)	K	18.6	18.5	23.5	17.4	21.5	5/1/2023	
Astoria Generating Company, L.P.	Astoria GT 01 (11)	J	16.0	15.7	20.5	13.8	17.6	5/1/2025 (11)	2024 Q3
Consolidated Edison Co. of NY, Inc.	59 St. GT 1	J	17.1	15.4	20.1	13.9	17.4	5/1/2025	
NRG Power Marketing, LLC	Arthur Kill GT 1	J	20.0	16.5	21.6	12.3	15.8	5/1/2025	
Astoria Generating Company, L.P.	Gowanus 2-1 through 2-8 (5) (13)	J	160.0	152.8	199.6	140.9	179.1	5/1/2025	
Astoria Generating Company, L.P.	Gowanus 3-1 through 3-8 (5) (13)	J	160.0	146.8	191.7	138.5	178.5	5/1/2025	
Astoria Generating Company, L.P.	Narrows 1-1 through 2-8 (5) (13)	J	352.0	309.1	403.6	284.3	365.7	5/1/2025	
	Prior to Summer 2022		112.0	92.6	120.3	78.0	112.2		
	Prior to Summer 2023		1,174.3	1,066.0	1,348.8	936.0	1,228.7		
	Prior to Summer 2025		725.1	656.3	857.1	603.7	774.1		
	Total		2,011.4	1,814.9	2,326.2	1,617.7	2,115.0		

Notes

1. MW values are from the 2024 Load and Capacity Data Report except where the 2024 Load and Capacity Data Report lists 0 MW for CRIS and/or Capability. For those instances, previous Load and Capacity Data Report MW values are used.
2. Dates identified by generators in their DEC Peaker Rule compliance plan submittals for transitioning the facility to Retired, Blackstart, or will be out-of-service in the summer ozone season or the date in which the generator entered (or proposed to enter) Retired (R) or Mothball Outage (MO) or the date on which the generator entered ICAP Ineligible Forced Outage (IIFO).
3. Generator changed DEC peaker rule compliance plan as compared to the 2020 RNA and all STARs prior to 2021 Q3.
4. Long Island Power Authority (LIPA) has submitted notifications to the DEC per part 227-3 of the peaker rule stating that these units are needed for reliability allowing these units to operate until at least May 1, 2025. Due to the future nature of these units being operated only as designated by the operator as an emergency operating procedure the NYISO will continue to plan for these units be unavailable starting May 2023.
5. These units have indicated they will be out-of-service during the ozone season (May through September) in their compliance plans in response to the DEC peaker rule.
6. This unit was evaluated in a stand-alone generator deactivation assessment prior to the creation of the Short-Term Reliability Process.
7. Unit operating as a load modifier.
8. Central Hudson submitted notification to the DEC per part 227-3 of the peaker rule stating these units are needed for reliability. The most recent LTP update from Central Hudson notes the planned retirement of South Cairo and Coxsakie generators in December 2024. https://www.nyiso.com/documents/20142/26630522/Local-Transmission-Plan-2021.pdf/
9. On May 24, 2023 National Grid notified the New York State Public Service Commission that these units have been classified as black start only units and are no longer subject to NYISO dispatch.
10. Unit no longer subject to NYISO dispatch and is used for local reliability only.
11. The initial proposed retirement was on or after May 1, 2023, and was studied in the 2022 Q4 STAR. However, the unit modified its Peaker Rule compliance plan to be available for operation through May 1, 2025. The unit has submitted a new generator deactivation notice with a new proposed retirement date by May 1, 2025.
12. The retirement for this unit was evaluated in the 2023 Q3 STAR
13. To address the Need identified in the 2023 Q2 STAR, the NYISO designated the generators on the Gowanus 2 & 3 and Narrows 1 & 2 barges to temporarily remain in operation after the DEC Peaker Rule compliance date (May 1, 2025) until permanent solutions to the Need are in place, for an initial period of up to two years (May 1, 2027).
14. In March 2024, Central Hudson submitted an update to its DEC peaker compliance plan to extend the retirement date of Coxsackie GT until December 31, 2025 until a permanent Transmission and Distrubition solution to local non-BPTF transmission security issues is completed.

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Units that Have Completed the Generator Deactivation Process

Owner/ Operator	Plant Name	Zone	Nameplate (MW)	CRIS (MW)		Capability (MW)		Status	Deactivation Date (2)	STAR Evaluation (3)
				Summer	Winter	Summer	Winter			
International Paper Company	Ticonderoga (1)	F	9.0	7.6	7.5	9.5	9.8	I	5/1/2017	-
Helix Ravenswood, LLC	Ravenswood 2-4	J	42.9	39.8	50.6	30.7	41.6	I	4/1/2018	-
	Ravenswood 3-1	J	42.9	40.5	51.5	31.9	40.8	I	4/1/2018	-
	Ravenswood 3-2	J	42.9	38.1	48.5	29.4	40.3	I	4/1/2018	-
	Ravenswood 3-4	J	42.9	35.8	45.5	31.2	40.8	I	4/1/2018	-
Exelon Generation Company LLC	Monroe Livingston	B	2.4	2.4	2.4	2.4	2.4	R	9/1/2019	-
Innovative Energy Systems, Inc.	Steuben County LF	C	3.2	3.2	3.2	3.2	3.2	R	9/1/2019	-
Consolidated Edison Co. of NY, Inc	Hudson Ave 4	J	16.3	13.9	18.2	14.0	16.3	R	9/10/2019	-
New York State Elec. & Gas Corp.	Auburn - State St	C	7.4	5.8	6.2	4.1	7.3	R	10/1/2019	-
Somerset Operating Company, LLC	Somerset	A	655.1	686.5	686.5	676.4	684.4	R	3/12/2020	-
Entergy Nuclear Power Marketing, LLC	Indian Point 2	H	1,299.0	1,026.5	1,026.5	1,011.5	1,029.4	R	4/30/2020	-
Cayuga Operating Company, LLC	Cayuga 1	C	155.3	154.1	154.1	151.0	152.0	R	6/4/2020	-
Entergy Nuclear Power Marketing, LLC	Indian Point 3	H	1,012.0	1,040.4	1,040.4	1,036.3	1,038.3	R	4/30/2021	-
Helix Ravenswood, LLC	Ravenswood GT 11	J	25.0	20.2	25.7	16.1	22.4	I	12/1/2021	2022 Q1
Helix Ravenswood, LLC	Ravenswood GT 1	J	18.6	8.8	11.5	7.7	11.1	I	1/1/2022	2022 Q1
Exelon Generation Company LLC	Madison County LF	E	1.6	1.6	1.6	1.6	1.6	I	4/1/2022	2022 Q2
Nassau Energy, LLC	Trigen CC	K	55.0	51.6	60.1	38.5	51.0	R	7/15/2022	2022 Q2
Consolidated Edison Co. of NY, Inc.	Hudson Ave 3	J	16.3	16.0	20.9	12.3	15.6	R	11/1/2022	2022 Q2
Consolidated Edison Co. of NY, Inc.	Hudson Ave 5	J	16.3	15.1	19.7	15.3	18.6	R	11/1/2022	2022 Q2
Astoria Generating Company, L.P.	Gowanus 1-1 through 1-8	J	160.0	138.7	181.1	133.1	182.2	R	11/1/2022	2022 Q2
Astoria Generating Company, L.P.	Gowanus 4-1 through 4-8	J	160.0	140.1	182.9	138.8	183.4	R	11/1/2022	2022 Q2
NRG Power Marketing LLC	Astoria GT 2-1	J	46.5	41.2	50.7	34.9	46.5	R	5/1/2023	2022 Q2
NRG Power Marketing LLC	Astoria GT 2-2	J	46.5	42.4	52.2	34.3	45.6	R	5/1/2023	2022 Q2
NRG Power Marketing LLC	Astoria GT 2-3	J	46.5	41.2	50.7	36.3	46.7	R	5/1/2023	2022 Q2
NRG Power Marketing LLC	Astoria GT 2-4	J	46.5	41.0	50.5	32.5	45.4	R	5/1/2023	2022 Q2
NRG Power Marketing LLC	Astoria GT 3-1	J	46.5	41.2	50.7	34.6	45.0	R	5/1/2023	2022 Q2
NRG Power Marketing LLC	Astoria GT 3-2	J	46.5	43.5	53.5	35.7	45.3	R	5/1/2023	2022 Q2
NRG Power Marketing LLC	Astoria GT 3-3	J	46.5	43.0	52.9	33.9	44.6	R	5/1/2023	2022 Q2
NRG Power Marketing LLC	Astoria GT 3-4	J	46.5	43.0	52.9	34.9	45.5	R	5/1/2023	2022 Q2
NRG Power Marketing LLC	Astoria GT 4-1	J	46.5	42.6	52.4	33.6	43.8	R	5/1/2023	2022 Q2
NRG Power Marketing LLC	Astoria GT 4-2	J	46.5	41.4	51.0	34.3	44.3	R	5/1/2023	2022 Q2
NRG Power Marketing LLC	Astoria GT 4-3	J	46.5	41.1	50.6	35.4	46.4	R	5/1/2023	2022 Q2
NRG Power Marketing LLC	Astoria GT 4-4	J	46.5	42.8	52.7	35.2	44.1	R	5/1/2023	2022 Q2
Helix Ravenswood, LLC	Ravenswood 10	J	25.0	21.2	27.0	16.1	20.3	R	5/1/2023	2022 Q3
Helix Ravenswood, LLC	Ravenswood 01	J	18.6	8.8	11.5	7.7	11.1	R	10/14/2023	2023 Q3
Helix Ravenswood, LLC	Ravenswood 11	J	25.0	20.2	25.7	16.1	22.4	R	10/14/2023	2023 Q3
Western New York Wind Corp	Western NY Wind Power	B	6.6	0.0	0.0	0.0	0.0	R	10/15/2023	2023 Q4
Central Hudson Gas & Electric Corp.	South Cairo GT	G	21.6	19.8	25.9	18.7	23.1	R	3/1/2024	2023 Q4
Cubit Power One Inc.	Arthur Kill Cogen	J	11.1	11.1	11.1	11.1	10.2	I	3/2/2024	2024 Q2
		Total	4,450.0	4,072.2	4,366.6	3,880.3	4,222.8			

Notes

(1) Part of SCR program

(2) This table only includes units that have entered into IIFO or have completed the generator deactivation process.

(3) "-" denotes that the generator deactivation was assessed prior to the creation of the Short-Term Reliability Process

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Proposed Generator Deactivations

Owner/ Operator	Plant Name (1)	Zone	Nameplate (MW)	CRIS (MW)		Capability (MW)		Status	Deactivation date (2)	STAR Evaluation
				Summer	Winter	Summer	Winter			
Consolidated Edison Co. of NY, Inc.	74 St. GT 1 & 2	J	37	39.1	49.2	0.0	0.0	R	5/1/2023	2022 Q2
Central Hudson Gas & Electric Corp.	Coxsackie GT	G	21.6	21.6	26.0	19.7	22.7	R	12/31/2025 (3)	2024 Q1
Eastern Generation, LLC	Astoria GT 01	J	16	15.7	20.5	13.8	17.6	R	5/1/2025 (4)	2024 Q3
		Total	74.6	76.4	95.7	33.5	40.3			

Notes:

(1) This table includes units that have proposed to Retire or enter Mothball Outage and have a completed generator deactivation notice but have yet to complete the generator deactivation process.

(2) Date in which the generator proposed Retire (R) or enter Mothball Outage (MO)

(3) In March 2024, Central Hudson submitted an update to its DEC peaker compliance plan to extend the retirement date of Coxsackie GT until December 31, 2025 until a permanent Transmission and Distrubition solution to local non-BPTF transmission security issues is completed.

(4) The initial proposed retirement was on or after May 1, 2023, and was studied in the 2022 Q4 STAR. However, the unit modified its Peaker Rule compliance plan to be available for operation through May 1, 2025. The unit has submitted a new generator deactivation notice with a new proposed retirement date by May 1, 2025.

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Existing Transmission Facilities Modeled Out-of-Service

From	To	kV	ID	Out-of-Service Through	
				Prior STAR	Current STAR
Marion	Farragut	345	B3402	Long-Term	
Marion	Farragut	345	C3403	Long-Term	
Plattsburgh (1)	Plattsburgh	230/115	AT1	10/2024	3/2025
Stolle Rd	Stolle Rd	115	T11-52	9/2024	12/2024
E. 13th Street	E. 13th Street	345/69	BK17	12/2024	
Moses	Moses	230/115	AT2	1/2024	In-service

Notes

(1) A spare transformer is placed in-service during the outage

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Con Edison Series Reactor Assumptions

- The table below presents the Con Edison series reactor assumptions
- No changes to assumptions compared to the RNA

Terminals		ID	kV	Prior to Summer 2023	Starting Summer 2023
Dunwoodie	Mott Haven	71	345	By-Passed	In-Service
Dunwoodie	Mott Haven	72	345	By-Passed	In-Service
Sprainbrook	W. 49th Street	M51	345	By-Passed	In-Service
Sprainbrook	W. 49th Street	M52	345	By-Passed	In-Service
Farragut	Gowanus	41	345	In-Service	By-Passed
Farragut	Gowanus	42	345	In-Service	By-Passed
Sprainbrook	East Garden City	Y49	345	In-Service	By-Passed

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Changes to Planned Transmission Assumptions

- Changes to firm projects in the Transmission Owners' Local Transmission Owner Plans are captured in Section VII of the 2024 Load and Capacity Data Report (here)

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The remaining slides are from the 2024 RNA Base Case and the Inclusion Rules Application and are included for reference

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2024-2025 RPP Cycle Background

- **The 2024-2025 Reliability Planning Process (RPP) starts with the 2024 Reliability Needs Assessment (2024 RNA) and is followed by the 2025-2034 Comprehensive System Plan (CRP)**
  - 2024 RNA Study Period: year 4 = 2028 through year 10 = 2034
  - Note: year 1 through year 5 are assessed quarterly in the Short-Term Reliability Process (STRP), with focus on year 1 through 3
- **2024 RNA will be based on the information from the 2024 Gold Book, the 2024 FERC 715 filing, historical data, and Market Participant data**

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RNA Base Case Background

- **Based on the RNA Base Case, the NYISO identifies Reliability Needs (*i.e.,* "actionable evaluations") of the New York State BPTF in accordance with applicable Reliability Criteria**
- **2024 RNA Base Case:**
  - For the transmission security evaluations, the NYISO uses the 2024 FERC Form 715 filing and the information from the 2024 Gold Book as a starting point for developing the base case system models with the application of the inclusion rules.
  - For the resource adequacy evaluation, the models are developed starting with prior resource adequacy models and are updated with information from the 2024 Gold Book and historical data, with the application of the inclusion rules. Information on modeling of neighboring systems is based on the input received from the NPCC CP-8 working group.
- **The RNA Base Case inclusion rules set forth in the Reliability Planning Process Manual [link] are used to determine projects and plans for inclusion or exclusion from the RNA Base Case**

New York ISO

Inclusion Rules Application

- **Proposed generation and transmission to be included:**
  - Slides 16 through 20 contain a list of major transmission projects, large generation projects, and small generation projects
  - Proposed Local Transmission Owner Plans (LTPs) to be included:
    - All BPTF LTPs listed in the 2024 GB Section VII as “firm” with consideration for the in-service date
    - All non-BPTF LTPs listed by the Transmission Owner as “firm”
  - Included projects are subject to change based on project updates consistent with the OATT and NYISO procedure

New York ISO

Inclusion Rules Application, cont.

- **Generation deactivations:**
  - All plant deactivations listed in the 2024 Gold Book Sections IV-1, -2, -3, -4, -5 will be modeled as out-of-service
  - The peakers listed in the 2024 Gold Book Table IV-6 will be modeled with a status reflecting their latest compliance plans the owners filed with DEC under the Peaker Rule (as described in the Table IV-6)
  - NYPA small gas plants listed in the 2024 Gold Book Table IV-6 (517 MW in Zones J & K) will be modeled as out-of-service starting in 2031

New York ISO

Inclusion Rules Application, cont.

- **Existing transmission facilities modeled as out-of-service include:**
  - Con Edison's B3402 and C3403 345 kV cables for the entire study period
- **Proposed large loads in Gold Book (~2,300 MW) will be modeled**

New York ISO

Other New Criteria

- In anticipation of the approval of NYSRC proposed reliability Rule (PRR) 153a [link], the NYISO plans to study the loss of a plant due to a sudden loss of gas fuel delivery system
  - Proposed contingency for the loss of fossil fuel to a plant for a common-mode failure of the fuel delivery system better aligns to risks to operations present on the system today

New York ISO

Proposed Project Inclusion: Major Transmission

Queue	Project Name	MW	POI	Zone	Proposed Date	Interconnection Status	RPP Inclusion Start
631/887	TDI Champlain Hudson Power Express (CHPE)	1250	Astoria Annex 345kV	J	May-26	IA complete	2022 RNA
1125	Northern New York Priority Transmission Project (NNYPTP)	N/A	Moses/Adirondack/Porter path	D&E	Dec-24	Accepted cost allocation	2022 RNA
1289	Propel NY Energy - Alternate Sol 5	N/A	Sprain Brook, Tremont, East Garden City, Shore Road, additional Long Island Substations	I,J,K	May-30	SIS complete	2024 RNA

New York ISO

Project Inclusion: Large Generation

Queue	Project Name	MW	Type	POI	Zone	Proposed Date	Interconnection Status	RPP Inclusion Start
618	High River Solar	90	Solar	Inghams - Rotterdam 115kV	F	Jun-24	IA complete	2022 RNA
619	East Point Solar	50	Solar	Cobleskill - Marshville 69kV	F	Mar-24	IA complete	2022 RNA
637	Flint Mine Solar	100	Solar	LaFarge - Pleasant Valley 115kV, Feura Bush - North Catskill 115kV	G	Oct-24	IA complete	2022 RNA
717	Morris Ridge Solar Energy Center	177	Solar	South Perry - Meyer 230kV	C	Sep-24	IA complete	2024 RNA
737	Empire Wind 1	816	Offshore Wind	Gowanus 345kV	J	Dec-26	IA complete	2024 RNA
766/987	Sunrise Wind II	880+44	Offshore Wind	Holbrook 138kV	K	Mar-26	IA complete	2024 RNA

- **528 MW of additional small generators are also included in the preliminary RNA Base Case.**
- **NYISO is tracking the status of many more generation projects than those that currently meet the RNA base case inclusion rules.**
  - Projects in the April 18 ESPWG potential inclusion list that do not have announced NYSERDA REC awards are not included in the preliminary RNA Base Case.

New York ISO

Proposed Project Inclusion: Small Generation

Queue	Project Name	MW	Type	POI	Zone	Proposed Date	Interconnection Status	RPP Inclusion Start
545*	Sky High Solar	20	Solar	Tilden -Tully Center 115kV	C	Jun-23	IA complete	2021 Q3 STAR
564*	Rock District Solar	20	Solar	Sharon - Cobleskill 69kV	F	Jun-24	IA complete	2023 Q3 STAR
565*	Tayandenega Solar	20	Solar	St. Johnsville - Inghams 115kV	F	Jun-24	IA complete	2021 Q3 STAR
572	Greene County 1	20	Solar	Coxsackie - North Catskill 69kV	G	Mar-23	IA complete	2021 Q3 STAR
573	Greene County 2	10	Solar	Greene County 2	G	Feb-23	IA complete	2021 Q3 STAR
575*	Little Pond Solar	20	Solar	Mongaup - Shoemaker 69kV	G	Jan-25	IA complete	2024 RNA
581*	Hills Solar	20	Solar	Fairfield - Inghams 115kV	E	Jan-24	IA complete	2022 RNA
584*	Dog Corners Solar	20	Solar	Aurora 34.5kV	C	Mar-24	IA complete	2021 Q3 STAR
586*	Watkins Rd Solar	20	Solar	Watkins Rd - Ilion 115kV	E	Feb-24	IA complete	2021 Q3 STAR
590*	Scipio Solar	18	Solar	Scipio Solar	C	Sep-24	IA complete	2021 Q3 STAR
591*	Highview Solar	20	Solar	South Perry 34.5kV	C	Sep-24	IA complete	2023 Q3 STAR
592	Niagara Solar	20	Solar	Bennington 34.5kV	B	Mar-25	IA complete	2021 Q3 STAR
666*	Martin Rd Solar	20	Solar	Arcade - Five Mile 115kV	A	Sep-23	IA complete	2021 Q3 STAR
667*	Bakerstand Solar	20	Solar	Machias - Maplehurst 34.5kV	A	Oct-23	IA complete	2021 Q3 STAR

Notes:

*Project listed as cancelled in latest NYSERDA contract database. NYISO will monitor the outcome upcoming solicitations before making the final determination on project inclusion status for the 2024 RNA.

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Proposed Project Inclusion: Small Generation, cont.

Queue	Project Name	MW	Type	POI	Zone	Proposed Date	Interconnection Status	RPP Inclusion Start
670*	SunEast Skyline Solar LLC	20	Solar	Campus Rd - Clinton 46kV	E	Aug-24	IA complete	2021 Q3 STAR
734	Ticonderoga Solar	20	Solar	Ticonderoga 115kV - Republic Line 2	F	Aug-24	IA complete	2022 RNA
744*	Magruder BESS	20	Energy Storage	East Walden - Modena 115kV	G	Sep-23	IA complete	2024 RNA
804†	KCE NY 10	20	Energy Storage	Erie Substation 34.5kV	A	Nov-24	IA complete	2024 RNA
807*	Hilltop Solar	20	Solar	Eastover - Schaghticoke 115kV	F	Jul-24	IA complete	2022 RNA
828*	Valley Solar	20	Solar	Owego 34.5kV Substation	C	Aug-24	IA complete	2023 Q3 STAR
832*	CS Hawthorn Solar	20	Solar	North Troy - Hoosick 115kV	F	Aug-24	IA complete	2023 Q3 STAR
833*	Dolan Solar	20	Solar	Battenkill - Mohican 115kV	F	Mar-24	IA complete	2023 Q3 STAR
848*	Fairway Solar	20	Solar	McIntyre - Corning 115kV (Line#6)	E	Feb-25	IA complete	2022 RNA
855*	NY13 Solar	20	Solar	Mohican - Schaghticoke 115kV	F	Jun-25	IA complete	2022 RNA
865*	Flat Hill Solar	20	Solar	Inghams-Valley 46kV Line 27	E	Nov-25	IA complete	2024 RNA
885*	Grassy Knoll Solar	20	Solar	Watkins Rd - Inghams 115kV	E	Nov-25	IA complete	2024 RNA
1003*	Clear View Solar	20	Solar	Eelpot Road 34.5 kV	C	May-24	IA complete	2024 RNA

Notes:

*Project listed as cancelled in latest NYSERDA contract database. NYISO will monitor the outcome upcoming solicitations before making the final determination on project inclusion status for the 2024 RNA.

†Project does not have CRIS.

New York ISO

Our Mission & Vision

Mission

Ensure power system reliability and competitive markets for New York in a clean energy future

Vision

Working together with stakeholders to build the cleanest, most reliable electric system in the nation

New York ISO