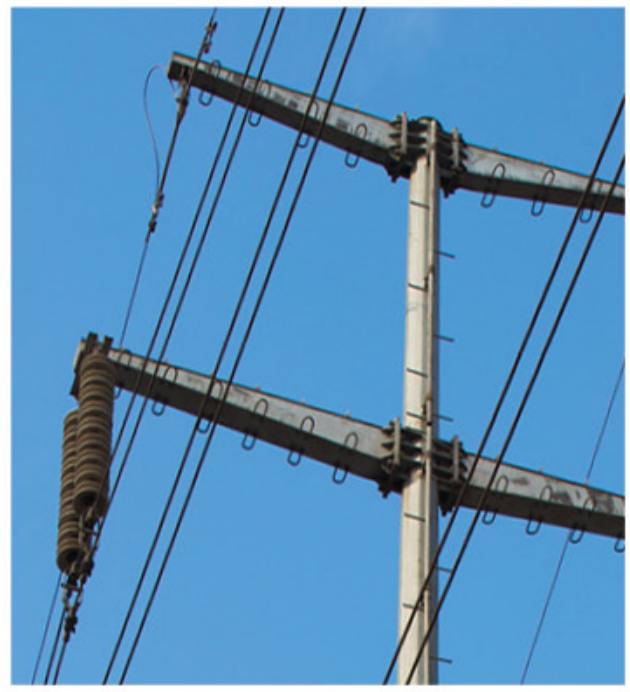
New York ISO
Independent System Operator

2024
Load & Capacity Data






A report by
The New York
Independent System
Operator, Inc.

Gold Book




2024 Load & Capacity Data Report

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2024 Load & Capacity Data Report

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Overview

In this *Load and Capacity Data* report ("*Gold Book"*), the New York Independent System Operator, Inc. ("NYISO") presents load and capacity data for 2024 and future years. Energy and peak forecasts are provided through 2054 by NYISO Load Zone (referenced in the rest of this document as "Zone") and for the New York Control Area ("NYCA").[1] Generating capacity is projected through 2034. The information reported in this report is current as of March 15, 2024, unless otherwise noted. The seven sections of this *Gold Book* address the following topics:

- Historical and forecast seasonal peak demand and energy usage, and energy efficiency, electrification, and other distributed energy resources and load-modifying impacts;
- Existing and proposed generation and other capacity resources; and
- Existing and proposed transmission facilities.

Historical and Forecast Energy Usage and Seasonal Peak Demand

Section I of this report presents the baseline forecast, scenario forecasts, and historical data on annual energy and seasonal peak demand in the NYCA. The baseline and scenario forecasts are based on information obtained from the New York State Department of Public Service ("DPS"), the New York State Energy Research and Development Authority ("NYSERDA"), state power authorities, Transmission Owners, the U.S. Census Bureau, the U.S. Energy Information Administration, Moody's Analytics, and Itron. The baseline and scenario forecasts reflect a combination of forecasts provided by Transmission Owners for their respective territories and forecasts prepared by the NYISO.

The baseline forecasts, which report the expected NYCA load, include the projected impacts of energy efficiency programs, building codes and appliance standards, distributed energy resources, behind-the-meter ("BTM") energy storage, BTM solar photovoltaic ("PV") power, electric vehicle ("EV") usage, and electrification of space heating and other end uses. The baseline forecasts also incorporate projected load increases from existing and future large load projects interconnecting to the transmission system. Zonal forecasts extend through 2054 for studies that use longer time horizons.

The following table summarizes NYCA baseline energy and seasonal peak demand forecast growth rates, and compares them with last year's forecast reported in the 2023 Gold Book:

[1] Capitalized terms not otherwise defined herein have the meaning set forth in the NYISO's Tariffs – NYISO's Market Administration and Control Area Services Tariff ("Services Tariff") and NYISO's Open Access Transmission Tariff ("OATT").

	Average Annual Growth Rates											
	Baseline Energy Usage				Baseline Summer Peak Demand				Baseline Winter Peak Demand			
	Years 1-30	Years 1-10	Years 11-20	Years 21-30	Years 1-30	Years 1-10	Years 11-20	Years 21-30	Years 1-30	Years 1-10	Years 11-20	Years 21-30
2023 Gold Book (2023-53)	1.8%	1.0%	3.0%	0.8%	0.9%	0.5%	1.4%	0.6%	3.7%	3.6%	4.5%	0.7%
2024 Gold Book (2024-54)	1.9%	1.7%	2.5%	0.6%	0.7%	0.8%	0.9%	0.2%	3.7%	3.2%	4.7%	0.8%

Over the 10-year horizon, forecast growth rates in the baseline energy and summer peak demand are higher than last year. This is primarily attributable to the significant impacts of interconnecting large load projects. Over the first 10 years, the winter peak demand forecast growth rate is lower than last year. This is attributable to updates in heating electrification assumptions, including slower conversion of electric heating, with a lower share of electric resistance heating. In the long run, baseline energy and seasonal peak demand growth rates and electric heating saturation assumptions are similar to that reported in the 2023 *Gold Book*.

Baseline energy and seasonal peak demand increases significantly throughout the forecast period, driven largely by the addition of large load projects in the early forecast years, and electrification of space heating, non-weather sensitive appliances, and EV charging in the outer forecast years.

Over the course of the forecast horizon, significant load-reducing impacts occur due to energy efficiency initiatives and the growth of distributed BTM energy resources, such as solar PV. These impacts result primarily from New York State's energy policies and programs, including the 2019 Climate Leadership and Community Protection Act ("CLCPA"), the 2020 Accelerated Renewable Energy Growth and Community Benefit Act ("AREA"), the Clean Energy Standard ("CES"), the Clean Energy Fund ("CEF"), the NY-SUN initiative, the energy storage initiative, and other NYPSC and NYSERDA programs.

The NYISO employs a multi-stage process to develop load forecasts for each of the eleven Zones within the NYCA. In the first stage, baseline energy and peak models are developed based on projections of end-use intensities and economic variables. End-use intensities modeled include those for lighting, refrigeration, cooking, water heating, space heating and cooling, miscellaneous plug loads, and others. Appliance end-use intensities are generally defined as the product of saturation levels (average number of units per household or commercial square foot) and efficiency levels (energy usage per unit or a similar measure). End-use intensities specific to New York are estimated from appliance saturation and efficiency levels in both the residential and commercial sectors. These intensities include the projected impacts of energy efficiency programs and improved building codes and appliance standards. Economic variables

considered include Gross Domestic Product ("GDP"), number of households, population, and commercial and industrial employment. Projected long-term weather trends from the NYISO *Climate Change Impact Study Phase I* [2] are included in the end-use models. In the second stage, the incremental impacts of additional policy-driven energy efficiency, BTM solar PV, and distributed generation are deducted from the forecast, and the incremental impacts of electric vehicle usage and building electrification are added to the forecast. The impacts of net electricity consumption of energy storage resources due to charging and discharging are added to the energy forecasts, while the peak-reducing impacts of BTM energy storage resources are deducted from the peak forecasts. In developing seasonal peak forecasts, NYISO aggregates hourly load shapes (8,760 hours per year) for base load, load-modifying technologies, and end-uses on a zonal basis.

This *Gold Book* contains three scenario forecasts: a Lower Demand Scenario, a Higher Demand Scenario, and a Policy Scenario. The Lower and Higher Demand Scenarios contain differing forecast inputs, primarily economic and electrification assumptions, such that their forecasts produce lower and upper bounds around the baseline forecast. The Policy Scenario is meant to reflect achievement of state policy targets. Additional information and discussion on the three scenario forecasts are included in Section I.

Generation and Other Capacity Resources

Table III-2 reports the summer and winter Dependable Maximum Net Capability ("DMNC")[3] for applicable generators, along with the nameplate rating, Capacity Resource Interconnection Service ("CRIS") rating, and annual energy generated in the year 2023, where applicable. Table III-2a reports this information for generators that participate in the NYISO's markets, while Table III-2b reports applicable information for generators that do not participate in the NYISO 's markets, such as generators that operate solely as load modifiers. Section III contains additional information on the generation resources by Zone, fuel type and generation type.

The Total Resource Capability in the NYCA for the summer of 2024 is projected to be 40,872 MW, which is an increase of 610 MW compared to the information provided for summer 2023 in the 2023 *Gold Book*. This increase is due to the aggregate changes in existing NYCA generating capability, changes in Special Case Resources ("SCR"), and changes in net purchases of capacity from other control areas. The projected total resource capability for summer 2024 includes:

[2] NYISO *Climate Change Impact Study Phase I:* https://www.nyiso.com/documents/20142/10773574/NYISO-Climate-Impact-Study-Phase1-Report.pdf

[3] The NYISO does not specify the fuel to be used in DMNC testing.

- NYCA generating capability (38,006 MW);
- SCR (1,281 MW); and
- Net of long-term purchases and sales with neighboring control areas (1,585 MW).

The existing NYCA generating capability includes renewable resources totaling 7,316 MW of summer capability. This total includes conventional hydro (4,274 MW), wind generation (2,454 MW), grid-connected solar[4] (254 MW), and other renewable resources (334 MW, including methane and refuse). For purposes of this report, references to renewable resources do not necessarily align with the New York State Clean Energy Standard definition.

Since the publication of the 2023 *Gold Book* in April 2023, there has been a decrease of 494 megawatts (MW) of summer capability due to generator deactivations. Over the same period, there has been an increase of 523 MW in summer capability due to the addition of new generation and uprates to existing generation, and an additional increase of 168 MW due to ratings changes (primarily capability changes due to DMNC testing). As a result, existing net summer capability is 37,375 MW, an increase of 197 MW. These changes are summarized in Section II.

Changes are based on information received from generation owners that provided status changes since the 2023 *Gold Book.* These changes may include new generators, generators returning to service, generator outages and deactivations, the withdrawal of a notice of intent to deactivate, generator uprates, and restoration to full capacity operation.

Section IV describes potential changes in resource capability in the NYCA, including proposed additions of new generation, re-rates of currently operating units, and the deactivation of existing generators. Table IV-1 shows the proposed facilities that have completed, are enrolled in, or are candidates to enter a Class Year Interconnection Facilities Study or have met other comparable milestones. Of the total reported, the proposed summer capability of these resources is:

- 8,271 MW of wind turbines,
- 9,065 MW of grid-connected solar,
- 4,876 MW of energy storage, and
- 1,160 MW of hybrid solar and storage projects.

Table IV-1 also identifies completed CRIS-only requests (not already reflected in Table III-2) totaling 141 MW.

[4] Grid-connected solar refers to "front-of-the-meter" solar interconnected to the New York State Transmission System.

Tables IV-2 through IV-4 report on units that have planned uprates in capability and units that are no longer in operation. Table IV-5 lists existing generators with a collective 48 MW of summer capability that have provided deactivation notices.

Table IV-6 lists potential generator status changes to comply with New York State rules and climate policy. In December 2019, the New York State Department of Environmental Conservation ("DEC") adopted a final rule regulating ozone season NO_X emissions from simple-cycle combustion turbine generators ("Peaker Rule").[5] Table IV-6 also identifies New York Power Authority ("NYPA") generators which are scheduled to deactivate.[6] Table IV-6 does not include proposed deactivations listed elsewhere in Section IV.

Section V provides a summary of NYCA projected capacity from 2024 through 2034. Information for Tables V-2a and V-2b is obtained from Tables III-2, IV-1 through IV-6, and V-1.

Transmission Facilities

Section VI lists existing transmission facilities (constructed for 115 kV and larger) in the NYCA, including new transmission facilities that came into service since the publication of the 2023 *Gold Book*.

Section VII reports proposed transmission facilities that include merchant projects as well as firm and non-firm projects submitted by Transmission Owners. Table VII includes major transmission projects such as the Smart Path Connect Project ("SPCP"), co-owned by National Grid and NYPA, and two projects with NYPSC-approved[7] Tier 4 contracts: one for the Champlain-Hudson Power Express ("CHPE") project to deliver hydropower from Canada directly to Queens, and the second for a NYPA-led proposal, known as Clean Path NY, which proposes to deliver renewable energy from upstate New York directly to New York City. Construction activities have begun on the CHPE project, with a projected in-service date of late-spring 2026.

Sections VI and VII also list the various components of the public policy transmission projects that

[5] DEC Peaker Rule (Subpart 227-3): https://www.dec.ny.gov/regs/2492.html

[6] https://legislation.nysenate.gov/pdf/bills/2023/S4006C (Part QQ §5 on page 126)

[7] NYSERDA's Tier 4 Program was created by order of the NYPSC in 2020. These two Tier 4 contracts were approved by the NYPSC on April 14, 2022.

have been selected by the NYISO Board of Directors.[8] The AC Transmission Public Policy Segment A Double Circuit (LS Power Grid New York Corporation I ("LSP") and NYPA), went into service in December, 2023. The Segment B (Knickerbocker-PV by National Grid and New York Transco) went into service in December 2023 with the exception of the Dover substation and Dover phase angle regulators. The Alternate Solution 5 project proposed by NYPA and New York Transco, collectively Propel New York, was selected by the NYISO Board of Directors to meet the Long Island Offshore Wind Export Public Policy Transmission Need ("LI PPTN"). The required project in-service date is May 2030.

[8] Under the NYISO's Public Policy Transmission Planning Process, interested entities propose, and the NYPSC identifies, transmission needs driven by state or federal statues or regulations related to transmission planning on the bulk power transmission system.) The NYISO then requests that interested entities submit proposed solutions to a public policy transmission need identified by the NYPSC and evaluates the viability and sufficiency of the proposed solutions to satisfy each identified need. The NYISO then evaluates and may select the more efficient or cost-effective transmission solution to each identified need.

Section I

Annual Energy & Peak Demand – Historical & Forecast

New York ISO

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Section I

Forecast Tables

This section reports historical and forecast energy and seasonal peak demand for the NYCA and by Zone. Zonal and system-level summary forecasts are provided for 30 years. Historical load values reflect the actual weather conditions experienced, while forecasted load values assume either expected or extreme weather conditions. Historical weather-normalized annual energy and seasonal peak demand is reported at the NYCA level in Table I-19. Projected long-term weather trends from the NYISO *Climate Change Impact Study Phase I* are included in the baseline and scenario forecasts. The baseline forecasts project the NYCA and zonal loads under expected future weather conditions, which include increasing temperature trends over the forecast horizon. The baseline forecasts account for the load-reducing impacts of energy efficiency programs, building codes, and appliance efficiency standards (Table I-8); behind-the-meter solar PV (Table I-9); and BTM non-solar distributed energy generation (Table I-10). The baseline forecasts also include the expected impacts of EV usage (Table I-11) and building electrification (Table I-13). The impacts of net electricity consumption of all energy storage resources are added to the baseline energy forecast, while the peak-reducing impacts of only BTM energy storage resources are deducted from the baseline peak forecasts (Table I-12). The baseline forecasts also include projected load increases from new and expanding large load projects (Table I-14).

Table I-1a reports the NYCA baseline energy and peak demand forecasts. System-level summary tables for annual baseline energy, summer peak, and winter peak are shown in Tables I-1b, I-1c, and I-1d respectively. These tables show the progression of the load forecast from the econometric forecast without expected efficiency gains, first to the end-use consumption forecast incorporating end-use efficiency gains relative to the current and future end-use mix, and finally to the baseline forecast incorporating all other load-modifying components. The impacts of electrification, BTM generation, energy storage, large loads, energy efficiency, and codes and standards are listed in this progression.

Figures I-1, I-2, and I-3 show the baseline and scenario forecasts for NYCA annual energy, summer peak, and winter peak, respectively. Figure I-4 compares the baseline summer and winter peak forecasts. The NYISO is projected to become a winter peaking system in future decades due to electrification, primarily from space heating and EVs. The timing of a switch to a winter peaking system is uncertain, and mainly influenced by the timing and composition of space heating electrification. The lower demand, higher demand, and policy scenario forecasts are summarized in Tables I-15, I-16, and I-17 respectively.

Historical and baseline forecast data for annual energy and seasonal peak demand are reported in

Tables I-2 through I-5. The baseline peak forecasts are designed by the Transmission Owners at 67th percentile weather conditions for the Con Edison and Orange and Rockland service territories, and at the 50th percentile in the remaining transmission districts.

Table I-6 shows the 90th and 10th percentile forecasts of annual energy due to weather variability. The 90th and 10th percentile energy forecasts are based on the historical distribution of weather-related impacts on annual energy usage. Table I-7 shows the 90th, 10th, and 99th percentile baseline seasonal coincident peak demand forecasts due to weather variation. The 90th, 10th, and 99th percentile peak forecasts are based on the historical variation in peak day weather coupled with projected temperature trends. The 90th percentile summer peak forecast represents a warmer than expected summer peak day; while the 99th percentile forecast represents an extremely hot and humid summer peak day, well above the expected temperature. The 90th percentile winter peak forecast represents a colder than expected winter peak day; while the 99th percentile winter peak forecast represents an extremely cold winter peak day, well below the expected temperature. The 10th percentile forecasts represent milder than expected seasonal peak days, with cooler weather during the summer peak and warmer weather during the winter peak. All baseline and percentile forecasts include increasing temperature trends throughout the forecast horizon from the NYISO *Climate Change Impact Study Phase I* report. On average, the increasing temperature trend throughout the state is 0.7 degrees F per decade; and the trend differs by location, time of year, and time of day. Historical distributions of system peak day temperatures are reported in Table I-20.

The energy efficiency and codes and standards annual energy reductions listed in Table I-8a are separated into estimated historical impacts and forecasted impacts from programs and activities expected to occur from 2024 onwards. Tables I-8b and I-8c report the projected peak reductions due to the impacts of codes and standards and energy efficiency programs.

Table I-9a reports the forecast of installed nameplate capacity of BTM solar PV. Table I-9b lists the expected annual GWh energy reductions due to BTM solar. Table I-9c shows the expected reductions in the NYCA summer coincident peak by zone due to BTM solar. The actual impact of solar PV varies considerably by hour of day. The hour of the actual NYCA peak varies annually. Currently, the NYCA summer peak typically occurs in late afternoon. The NYCA summer peak will likely shift into the evening as additional BTM solar is added to the system, and as EV charging impacts increase during the evening hours. Because the hour of the summer peak shifts into the evening over the course of the forecast horizon, BTM solar generation becomes less coincident with the NYCA peak hour, and BTM solar coincident peak reductions are forecast to decrease in later years. The forecast of solar PV-related

reductions to the winter peak is zero because the system typically peaks after sunset. Table I-9d lists the expected maximum hourly NYCA BTM solar generation by year, which typically occurs in the spring around the noon hour.

Table I-10a reports the forecast of installed nameplate capacity of BTM non-solar distributed generation. These resources include combined heat and power, anaerobic digesters, fuel cell facilities, small wind, and others. Table I-10a makes no projection of future participation of BTM distributed generation resources in the wholesale distributed energy resources market. Tables I-10b and I-10c list the projected annual energy and coincident peak reductions of these BTM resources.

Table I-11 lists the forecast of EV impacts, including EV annual energy usage (Table I-11b), EV summer coincident peak demand (Table I-11c), and EV winter coincident peak demand (Table I-11d). The baseline forecast assumes a stock of over six million EVs by 2040, including passenger vehicles, trucks, and buses. Table I-11a lists the assumed annual electric vehicle stock by type at the NYCA level. The baseline forecast assumes an increasing share of managed EV charging over the course of the forecast horizon.[9] At this time, the NYISO does not assume potential supply by vehicle storage systems to the power system, known as Vehicle to Grid ("V2G"). Future policies for managing EVs could have beneficial impacts for the grid.

Table I-12 shows the forecast of nameplate capacity of BTM energy storage resources (Table I-12a), net annual electricity consumption of all energy storage resources (Table I-12b), and the peak-reducing impacts of BTM energy storage (Table I-12c). These tables do not include the installed nameplate capacity of existing pumped storage units (see Table 3-2 for current resources). Energy storage resources are split between transmission system, distribution system, and customer-sited storage. Customer-sited resources and certain distribution system resources are assumed to be behind-the-meter. Transmission system and most distribution system resources are assumed to participate in the wholesale market. The capacity forecast in Table I-12a reflects solely BTM storage resources.

BTM energy storage resources reduce peak demand on the system when they are injecting energy into the grid or supplying electricity to the customer's facility during the peak hour. Only a portion of installed resources are expected to be injecting energy into the grid or supplying electricity to customers during the NYCA summer and winter peak hours. BTM storage injecting during the peak hour reduces the measured NYISO demand, while wholesale market storage is dispatched by the NYISO similar to other generation in order to meet the load. Thus, while wholesale storage does not act to reduce the measured NYISO peak

[9] Managed charging entails coordinating charging cycles with system conditions through use of smart meters, time of use rates, or other factors; while natural charging refers to the projected unconstrained charging behavior that would otherwise occur.

demand, when dispatched it does lessen the requirements of other wholesale generation during the peak hour. Peak demand reductions would be offset by increased demand in other hours during which energy storage resources are charging, resulting in a shifting of load across hours and an overall increase in load due to cycling losses. Both wholesale and BTM energy storage resources have relatively small positive net annual electricity consumption due to charging and discharging cycles (approximately 1% relative to the forecasted total load across the NYCA system in the outer forecast years).

Table I-13 shows the impact of future building electrification, which includes projected load increases due to electrification of residential households and commercial and industrial buildings. The building electrification energy and winter peak forecasts (Tables I-13a and I-13c) are largely driven by conversion of space heating from fossil fuel sources to electric heat pumps and other electric heating systems, including electric resistance heating; along with electrification of non-weather sensitive end-uses such as cooking and water heating. The baseline forecast assumes that roughly 75% of residential homes use primary electric space heating by 2050, with similar large-scale adoption in the commercial sector. The building electrification summer peak forecast (Table I-13b) is largely driven by electrification of non-weather sensitive appliance energy use coincident with the peak load hour. Increases in electric cooling from heat pumps are largely offset by decreasing saturations of central and room air conditioning. The building electrification tables do not include the impacts of EV charging, which are accounted for separately in Table I-11. Table I-13d compares the total NYCA annual energy electrification impacts by scenario, including the impacts of both EV and building electrification.

Table I-14 shows projected increases in annual energy and seasonal peak demand due to existing and future interconnecting large projects.

Tables I-15, I-16, and I-17 summarize the scenario forecasts.

Table I-18 shows the projected SCR and Emergency Demand Response Program ("EDRP") enrollment. Table I-19 reports the date and hour of the NYCA system peak for the Summer and Winter Capability Periods from 1997 forward. Table I-20 reports historical weather normalized system annual energy and seasonal peak demand. Table I-21 reports the approximate distribution of zonal peak load design temperatures.

Load Forecast Scenarios

This Gold Book contains three scenario forecasts: the Lower Demand Scenario, Higher Demand Scenario, and Policy Scenario. The Lower and Higher Demand Scenarios contain differing forecast inputs, primarily economic and electrification assumptions, such that their forecasts produce lower and upper bounds around the baseline forecast. The Policy Scenario is meant to reflect achievement of state policy targets.

The Higher Demand and Policy scenarios assume 100% light duty vehicle EV sales share in 2035, and sufficient building electrification, consistent with the achievement of 2050 greenhouse gas emissions targets. The Higher Demand Scenario reflects a more natural or unmanaged EV charging shape. The Lower Demand Scenario assumes a slower EV adoption rate with a greater share of managed charging and a lower saturation of electric heating than the baseline forecast.

The Policy Scenario includes peak-mitigating assumptions, including additional EV managed charging and increased energy efficiency savings including building shell upgrades and weatherization.

The Higher Demand Scenario assumes additional large load growth beyond that included in the baseline forecast, along with potential economic multiplier effects from increased employment and associated residential and commercial activities.

The BTM Solar, BTM Distributed Generation, and Energy Storage forecasts are consistent across all scenarios. The baseline and scenario forecasts meet the state policy target of 10,000 MW DC installed BTM solar in 2030. The storage capacity forecast includes only BTM resources, which reflect only a portion of the State's energy storage targets. Storage targets are expected to be met largely through interconnecting wholesale energy storage projects.

The baseline and Policy Scenario forecasts assume expected economic conditions, including population and household decline in New York state during the later forecast years. The Higher Demand scenario end-use models and EV and building electrification forecasts assume an increasing population and number of households over the duration of the forecast horizon, and stronger than expected economic growth. The Lower Demand scenario assumes weaker than expected economic growth.

The baseline forecast does not include any potential future load increases from low carbon fuel production (e.g., hydrogen production via electrolysis) outside of specific large load projects included in Table I-14. The potential load growth from hydrogen production in future decades could be significant.

For example, the Climate Action Council Integration Analysis scenarios[10] assume that large-scale hydrogen production is needed in order to meet state decarbonization goals, specifically to address hard to electrify end-uses. Potential load growth from electrolysis (hydrogen production) is included in the Policy and Higher Demand Scenario forecasts, discounted to reflect 100% LDV EV sales saturation with no zero-emission vehicle alternatives, and electrolysis projects already included in the large load forecast. Electrolysis production is assumed to be non-coincident with system peak electricity demand.

The baseline and scenario forecasts generally do not include conversion of the Con Edison district steam system to electricity. Potential impacts on annual energy and seasonal peak demand due to the partial or full electrification of steam generation or steam customers' buildings could be significant, and NYISO continues to monitor prospective changes. [11] The summer peak forecast does assume some limited increase in air conditioning demand (switching from the steam system).

Table I-15 shows a state-level summary of the Lower Demand Scenario forecast, Table I-16 summarizes the Higher Demand Scenario forecast, and Table I-17 summarizes the Policy Scenario forecast. Zonal forecasts for the policy scenarios are posted as Excel files on the NYISO website. [12]

[10] Climate Act Resources: *https://climate.ny.gov/Resources/Scoping-Plan* . Integration Analysis Scenario 2 assumes over 40,000 GWh of annual electricity usage in 2050 for in-state hydrogen production.

[11] Any near-term impacts due to steam generation electrification or decarbonization demonstration projects are expected to be small, with no anticipated impacts over the next few years. The current winter peak electric forecast assumes no conversion of steam buildings to electric heat. No electrification of steam system boilers or installation of large industrial heat pumps are included in this forecast.

[12] Scenario forecast tables*:* *https://www.nyiso.com/library*

Load Scenario Summary

Forecast Component	Baseline Forecast	Lower Demand Scenario	Higher Demand Scenario	Policy Scenario
Weather Trends	Trended weather from NYISO Climate Change Impact Study - average NYCA temperature gain of approximately 0.7 degrees Fahrenheit per decade	Same as Baseline Forecast	Same as Baseline Forecast	Same as Baseline Forecast
Economic Assumptions	Baseline economic forecast - expected economic growth in the long run. Declining population and households in later forecast years - statewide population of under 18 million in 2050	Slower than baseline economic growth in the long run.	Faster than baseline economic growth. Increase in population and households over the forecast horizon - statewide population of over 20 million in 2050	Similar economic assumptions to Baseline Forecast
Energy Efficiency (Table I-8)	Significant energy savings and peak reductions due to energy efficiency programs, codes & standards improvements, and building shell upgrades	Same as Baseline Forecast	Same as Baseline Forecast	Very significant energy savings and peak reductions due to energy efficiency programs, codes & standards improvements, and building shell upgrades, reflecting achievement of State policy targets
BTM Solar PV (Table I-9)	10,000 MW DC installed by 2030, and almost 13,000 MW DC installed in 2050	Same as Baseline Forecast	Same as Baseline Forecast	Same as Baseline Forecast
BTM Non-Solar DG (Table I-10)	500 MW installed non-solar BTM DG nameplate capacity by 2035. No assumption of future entry of resources into the wholesale DER market	Same as Baseline Forecast	Same as Baseline Forecast	Same as Baseline Forecast
Electric Vehicles (Table I-11)	85% LDV EV sales saturation in 2035. Over 6 million EVs (passenger vehicles, trucks and buses) on the road by 2040. Increasing share of managed charging over time	Lower EV sales saturation than baseline. Nearly 5 million EVs on the road by 2040. Reduced peak load impact due to increased managed charging	100% LDV EV sales saturation by 2035. Over 7 million EVs on the road by 2040. Increased peak load impact due to reduced managed charging	100% LDV EV sales saturation by 2035. Over 7 million EVs on the road by 2040. Reduced peak load impact due to increased managed charging
BTM Energy Storage (Table I-12)	Nearly 1,000 MW installed BTM nameplate capacity by 2030, and nearly 3,000 MW installed by 2050. Does not include wholesale storage resources which are expected to contribute significantly to State policy targets	Same as Baseline Forecast	Same as Baseline Forecast	Same as Baseline Forecast
Building Electrification (Table I-13)	Significant electrification of space heating and other end uses. Roughly 75% saturation of primary residential electric heating by 2050, including air source and ground source heat pumps, and electric resistance heating. As of 2023, 86% fossil, 14% existing primary electric heat. As of 2050, 62% additional growth in primary electric heating to reach 76% saturation: * 35% full capacity ASHP * 15% ASHP with supplemental heat * 7% primary electric resistance heat * 5% Ground Source Heat Pumps ("GSHP") * 24% primary fossil fuel heating	Lower saturation of electric space heating and other end uses. Nearly 65% saturation of residential electric heating by 2050. As of 2023, 86% fossil, 14% existing primary electric heat. As of 2050, 50% additional growth in primary electric heating to reach 64% saturation: * 28% full capacity ASHP * 15% ASHP with supplemental heat * 5% primary electric resistance heat * 2% GSHP * 36% primary fossil fuel heating	Very high saturation of electric space heating and other end uses. Nearly 90% saturation of residential electric heating by 2050. As of 2023, 86% fossil, 14% existing primary electric heat. As of 2050, 75% additional growth in primary electric heating to reach 89% saturation: * 40% full capacity ASHP * 20% ASHP with supplemental heat * 10% primary electric resistance heat * 5% GSHP * 11% primary fossil fuel heating	Extremely high saturation of electric space heating and other end uses. 99% saturation of residential electric heating by 2050. As of 2023, 86% fossil, 14% existing primary electric heat. As of 2050, 85% additional growth in primary electric heating to reach 99% saturation: * 45% full capacity ASHP * 20% ASHP with supplemental heat * 15% primary electric resistance heat * 5% GSHP * 1% primary fossil fuel heating
Large Loads (Table I-14)	Expected load growth from certain large load projects in the NYISO IQ, along with impacts from projects not in the queue	Same as Baseline Forecast	Additional load growth from large load projects beyond that included in the baseline forecast	Same as Baseline Forecast
Electrolysis (Hydrogen Production)	No electrolysis beyond that included in the large loads forecast	No electrolysis beyond that included in the large loads forecast	Similar to Climate Action Council Integration Analysis Scenario 2 electrolysis forecast. Nearly 40,000 GWh annual energy impact in 2050. No peak load impact	Similar to Climate Action Council Integration Analysis Scenario 2 electrolysis forecast. Nearly 40,000 GWh annual energy impact in 2050. No peak load impact

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Table I-1a: NYCA Baseline Energy and Demand Forecasts

Includes Impacts of Energy Saving Programs, Behind-the-Meter Generation, Electrification, & Large Loads

2024 Long Term Forecast[1] - 2024 to 2054

Energy - GWh

Year	Low[3]	Baseline[4]	High[3]
2023		149,518	
2024	149,160	150,540	151,640
2025	148,500	151,020	154,790
2026	149,430	152,990	159,050
2027	149,660	154,530	162,960
2028	149,830	155,100	167,010
2029	150,350	156,660	171,340
2030	151,560	159,050	176,470
2031	153,600	162,360	182,520
2032	156,370	166,530	189,410
2033	159,560	171,380	196,920
2034	162,840	176,040	204,840
2035	166,110	180,640	213,150
2036	169,340	185,190	221,970
2037	172,600	189,800	231,340
2038	175,990	194,470	241,230
2039	179,430	199,390	251,330
2040	182,850	204,080	261,290
2041	186,190	208,540	270,950
2042	189,430	212,740	280,190
2043	192,510	216,910	288,960
2044	195,400	220,660	297,160
2045	198,000	223,970	304,610
2046	200,200	226,610	311,260
2047	202,080	228,970	317,120
2048	203,560	230,680	322,220
2049	204,720	232,030	326,700
2050	205,600	232,860	330,570
2051	206,260	233,690	333,970
2052	206,680	234,030	336,890
2053	206,890	234,210	338,920
2054	206,950	234,110	340,290

Summer Peak Demand[2] - MW

Year	Low[3]	Baseline[4, 5]	High[3]
2023		31,288	
2024	31,270	31,541	31,790
2025	31,200	31,650	32,200
2026	31,260	31,900	32,910
2027	31,230	32,110	33,450
2028	31,190	32,130	33,940
2029	31,170	32,340	34,400
2030	31,220	32,580	34,910
2031	31,350	32,880	35,480
2032	31,560	33,320	36,130
2033	31,800	33,830	36,810
2034	32,030	34,210	37,480
2035	32,230	34,520	38,150
2036	32,420	34,870	38,820
2037	32,650	35,280	39,530
2038	32,900	35,700	40,250
2039	33,140	36,100	40,980
2040	33,360	36,450	41,670
2041	33,550	36,740	42,330
2042	33,700	37,000	42,950
2043	33,830	37,210	43,540
2044	33,930	37,400	44,100
2045	34,010	37,570	44,630
2046	34,050	37,710	45,130
2047	34,090	37,820	45,590
2048	34,110	37,910	46,000
2049	34,130	38,000	46,390
2050	34,140	38,080	46,760
2051	34,150	38,160	47,120
2052	34,150	38,210	47,460
2053	34,150	38,260	47,690
2054	34,140	38,300	47,880

Winter Peak Demand[2] - MW

Year	Low[3]	Baseline[4]	High[3]
2023-24		23,370	
2024-25	23,570	23,800	24,050
2025-26	23,820	24,210	24,960
2026-27	24,120	24,730	25,790
2027-28	24,410	25,270	26,690
2028-29	24,720	25,760	27,610
2029-30	25,090	26,350	28,560
2030-31	25,550	27,020	29,650
2031-32	26,090	27,900	30,960
2032-33	26,780	28,850	32,540
2033-34	27,630	29,950	34,350
2034-35	28,660	31,480	36,370
2035-36	29,790	32,990	38,570
2036-37	31,010	34,490	40,850
2037-38	32,270	36,100	43,260
2038-39	33,590	37,740	45,730
2039-40	34,910	39,520	48,360
2040-41	36,220	41,200	50,980
2041-42	37,420	42,850	53,520
2042-43	38,520	44,200	55,820
2043-44	39,480	45,410	57,910
2044-45	40,320	46,430	59,770
2045-46	41,040	47,400	61,470
2046-47	41,650	48,230	62,920
2047-48	42,130	48,880	64,140
2048-49	42,480	49,350	65,100
2049-50	42,710	49,640	65,870
2050-51	42,830	49,840	66,460
2051-52	42,910	49,950	66,920
2052-53	42,950	50,040	67,280
2053-54	42,980	50,080	67,520
2054-55	42,980	50,110	67,670

Average Annual Growth - Percent

Period	Low	Baseline	High
2024-29	0.16%	0.81%	2.60%
2029-34	1.66%	2.47%	3.91%
2034-39	2.04%	2.65%	4.54%
2039-44	1.78%	2.13%	3.65%
2024-34	0.92%	1.69%	3.51%
2034-44	2.00%	2.53%	4.51%
2044-54	0.59%	0.61%	1.45%
2024-44	1.55%	2.33%	4.80%
2024-54	1.29%	1.85%	4.15%

Period	Low	Baseline	High
2024-29	-0.06%	0.51%	1.64%
2029-34	0.55%	1.16%	1.79%
2034-39	0.69%	1.10%	1.87%
2039-44	0.48%	0.72%	1.52%
2024-34	0.24%	0.85%	1.79%
2034-44	0.59%	0.93%	1.77%
2044-54	0.06%	0.24%	0.86%
2024-44	0.43%	0.93%	1.94%
2024-54	0.31%	0.71%	1.69%

Period	Low	Baseline	High
2024-29	1.29%	2.14%	3.75%
2029-34	2.85%	3.89%	5.47%
2034-39	4.36%	5.11%	6.59%
2039-44	3.10%	3.50%	4.72%
2024-34	2.16%	3.23%	5.12%
2034-44	4.07%	4.75%	6.43%
2044-54	0.66%	0.79%	1.32%
2024-44	3.55%	4.75%	7.43%
2024-54	2.75%	3.68%	6.05%

Notes

1. All results in the Section I tables include transmission & distribution losses.
2. Summer Capability period is from May 1 to October 31. Winter Capability period is from November 1 of the current year to April 30 of the next year.
3. The low and high columns reflect the Lower Demand and Higher Demand Scenario forecasts under expected weather conditions, which are summarized in Tables I-15 and I-16. These do not reflect the 90th and 10th percentile forecasts due to weather, which are found in Tables I-6 and I-7.
4. Energy and peak figures for 2023 are weather-normalized. The values for the actual annual energy, summer peak, and winter peak are reported in Tables I-2, I-3a, and I-3b respectively.
5. The 2024 NYCA summer peak forecast is the same as the 2024 ICAP forecast.

Figure I-1: NYCA Energy Forecasts – Annual Energy, GWh

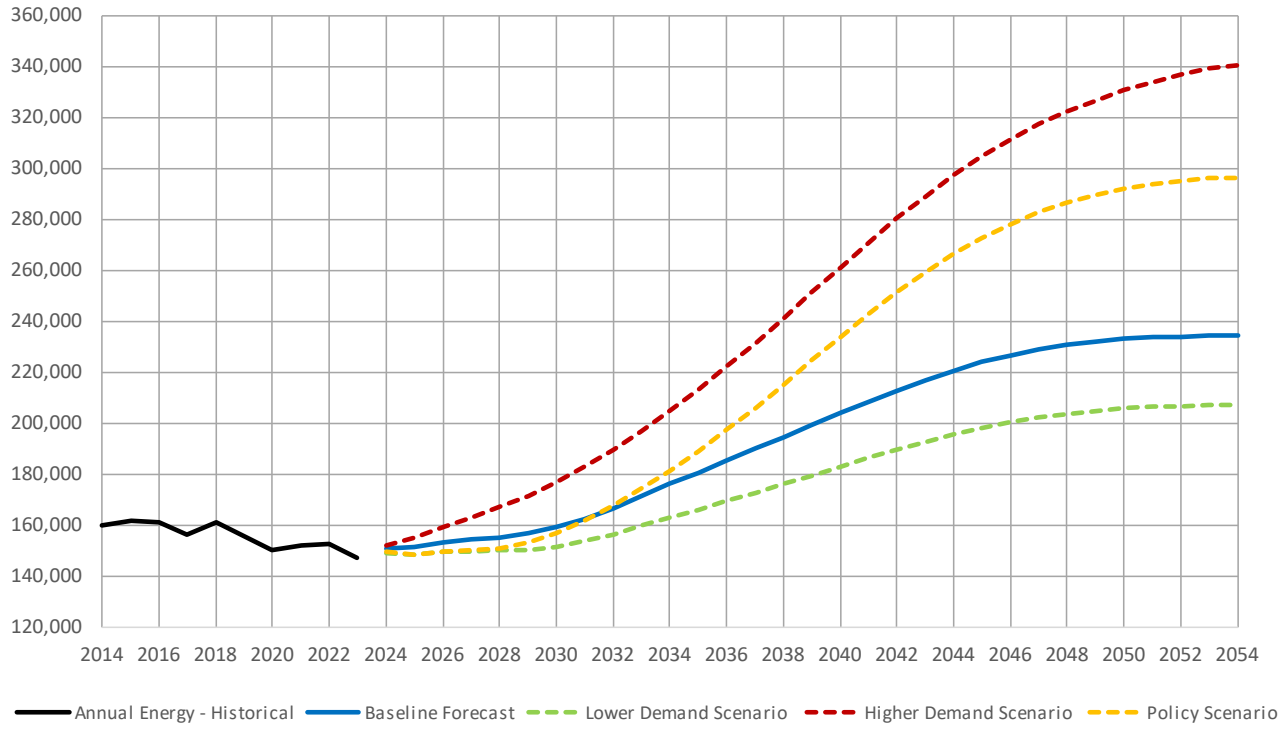

Figure I-2: NYCA Summer Peak Forecasts – Coincident Peak, MW

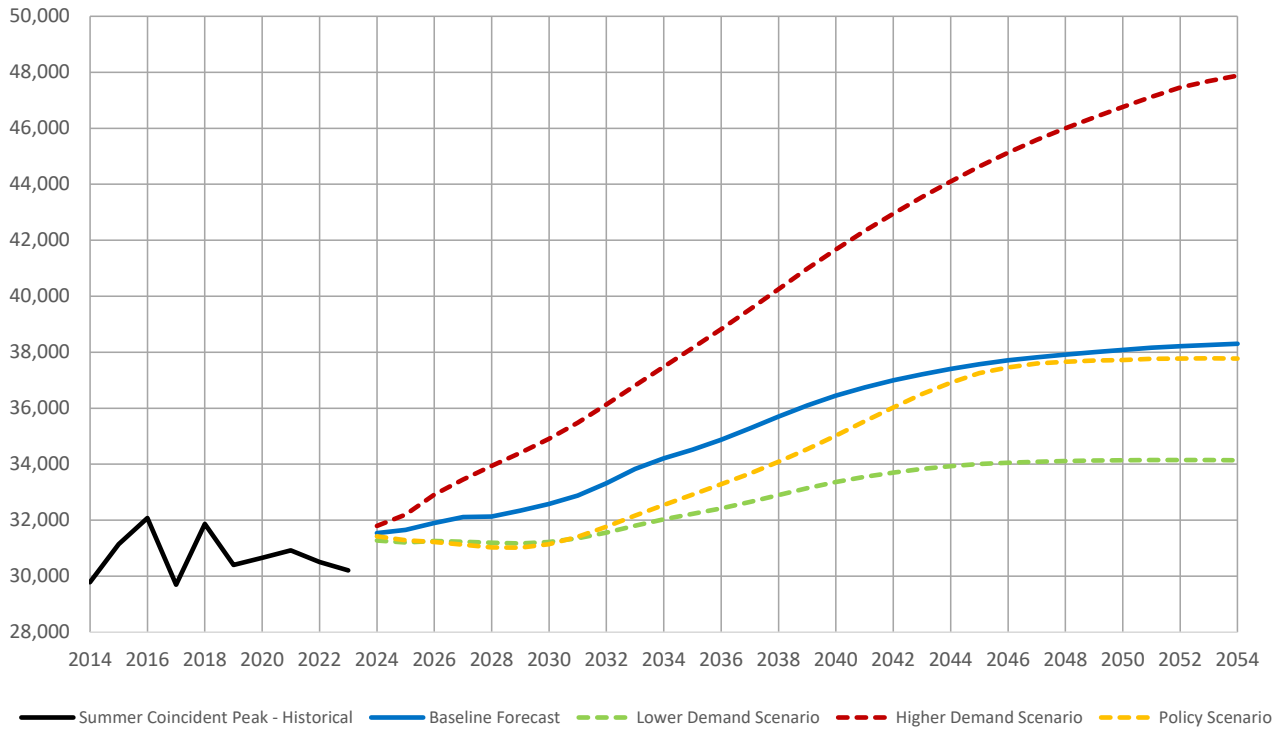

Figure I-3: NYCA Winter Peak Forecasts – Coincident Peak, MW

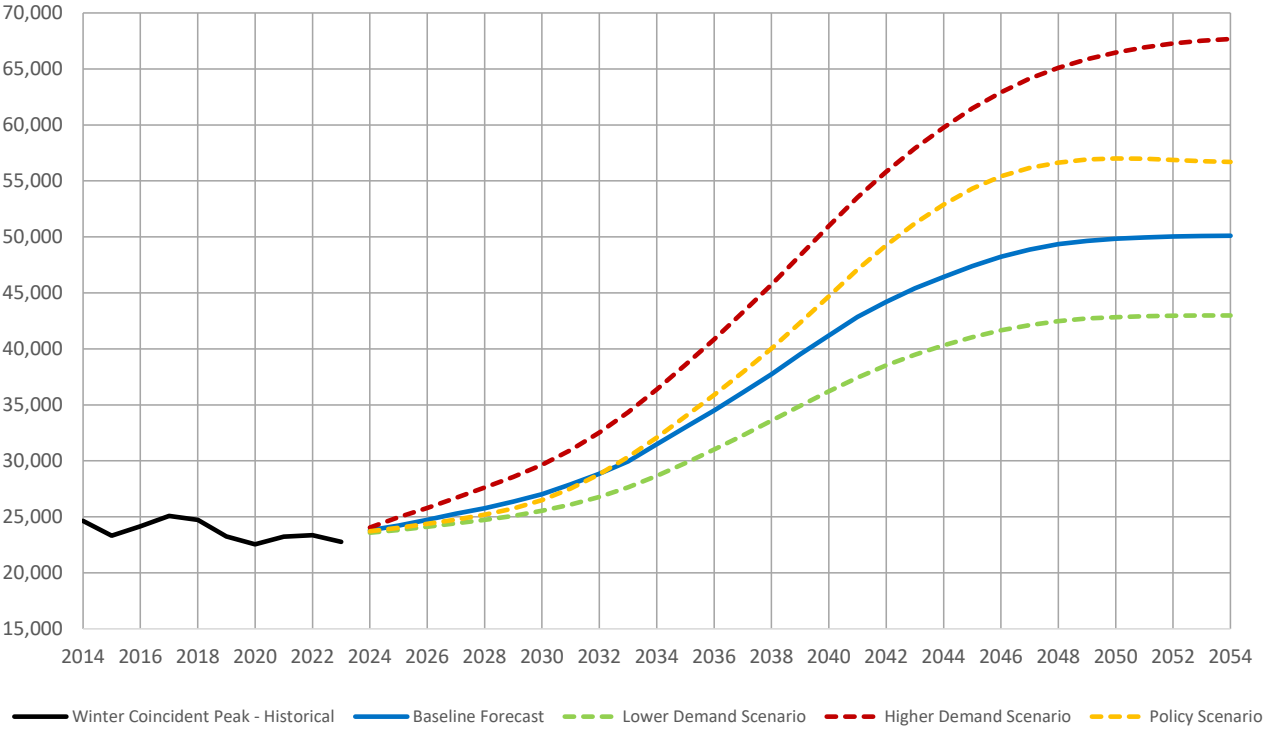

Figure I-4: NYCA Baseline Peak Forecast Comparison – Coincident Peak, MW

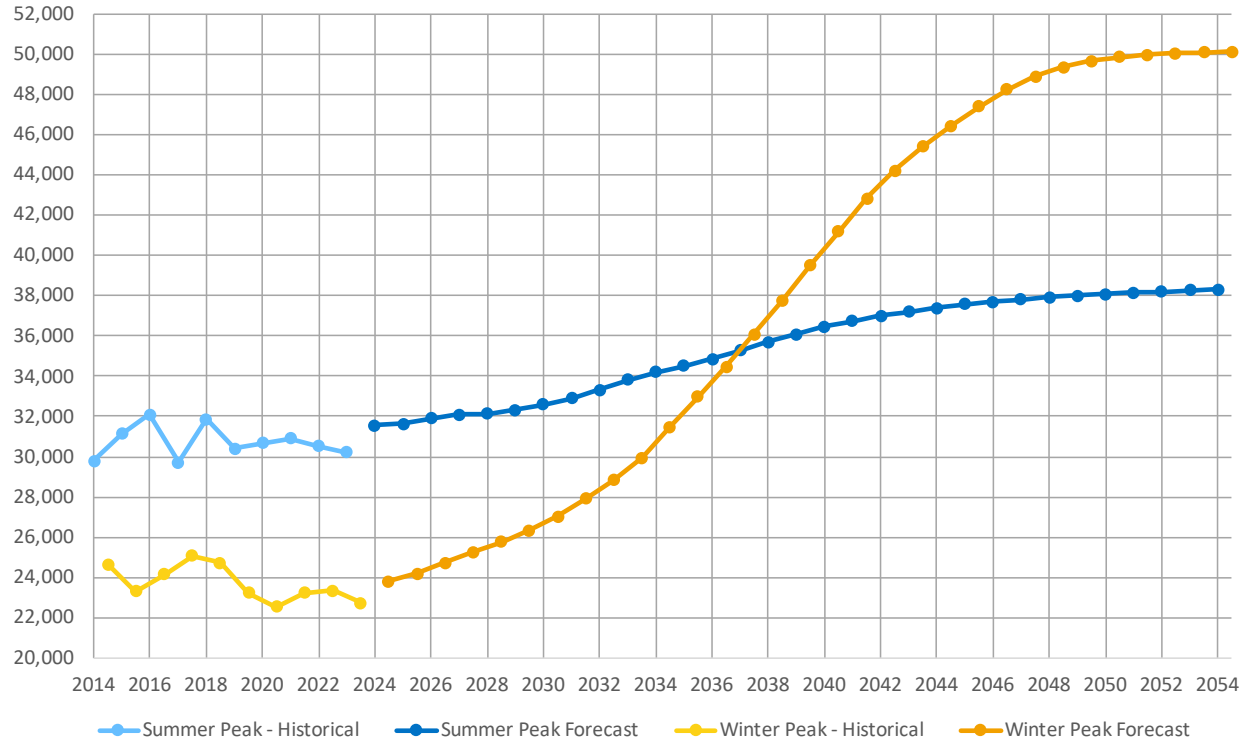

Table I-1b: Summary of NYCA Baseline Annual Energy Forecasts – GWh

Year	(a) Econometric Energy	(b) (-) EE and C&S	(c) (-) Solar PV, BTM	(d) (-) Non-Solar DG, BTM	(e) (+) Storage Net Energy Consumption	(f) (+) EV Energy	(g) (+) Building Electrification	(h) (+) Large Load Projects	(i) =a-b-c-d+e+f+g+h Baseline Annual Energy Forecast	(j) Forecast Prior to Large Load Growth
2024	156,907	2,422	6,285	2,013	115	1,124	254	2,860	150,540	150,540
2025	158,039	4,973	7,402	2,068	247	1,652	565	4,960	151,020	148,920
2026	158,189	7,288	8,459	2,101	352	2,374	1,253	8,670	152,990	147,180
2027	158,721	9,588	9,448	2,133	618	3,345	2,085	10,930	154,530	146,460
2028	159,352	11,832	10,329	2,164	713	4,501	3,089	11,770	155,100	146,190
2029	160,320	14,073	11,089	2,193	810	5,846	4,189	12,850	156,660	146,670
2030	161,165	16,319	11,723	2,222	907	7,394	5,518	14,330	159,050	147,580
2031	163,111	18,551	12,238	2,251	995	9,114	7,050	15,130	162,360	150,090
2032	165,342	20,760	12,652	2,278	1,080	11,011	8,847	15,940	166,530	153,450
2033	167,606	22,896	12,990	2,306	1,171	13,126	10,929	16,740	171,380	157,500
2034	169,463	24,891	13,252	2,329	1,259	15,459	13,181	17,150	176,040	161,750
2035	170,952	26,747	13,497	2,352	1,347	18,014	15,773	17,150	180,640	166,350
2036	171,988	28,464	13,750	2,375	1,434	20,543	18,664	17,150	185,190	170,900
2037	172,794	30,063	13,974	2,396	1,524	23,025	21,740	17,150	189,800	175,510
2038	173,448	31,616	14,185	2,419	1,613	25,421	25,058	17,150	194,470	180,180
2039	174,190	33,125	14,384	2,442	1,700	27,706	28,595	17,150	199,390	185,100
2040	174,772	34,614	14,555	2,461	1,788	29,869	32,131	17,150	204,080	189,790
2041	175,283	36,065	14,722	2,480	1,881	31,878	35,615	17,150	208,540	194,250
2042	175,749	37,488	14,870	2,498	1,971	33,731	38,995	17,150	212,740	198,450
2043	176,513	38,822	15,005	2,517	2,062	35,421	42,108	17,150	216,910	202,620
2044	177,283	40,075	15,130	2,537	2,148	36,937	44,884	17,150	220,660	206,370
2045	178,049	41,275	15,245	2,550	2,239	38,280	47,322	17,150	223,970	209,680
2046	178,764	42,454	15,352	2,562	2,327	39,417	49,320	17,150	226,610	212,320
2047	179,734	43,593	15,444	2,576	2,413	40,344	50,942	17,150	228,970	214,680
2048	180,486	44,713	15,544	2,589	2,500	41,064	52,326	17,150	230,680	216,390
2049	181,524	45,821	15,628	2,603	2,583	41,602	53,223	17,150	232,030	217,740
2050	182,272	46,909	15,696	2,615	2,667	41,979	54,012	17,150	232,860	218,570
2051	183,459	47,961	15,769	2,628	2,749	42,127	54,563	17,150	233,690	219,400
2052	184,309	48,995	15,840	2,642	2,831	42,170	55,047	17,150	234,030	219,740
2053	185,321	50,040	15,905	2,655	2,911	42,131	55,297	17,150	234,210	219,920
2054	186,015	51,033	15,950	2,668	2,995	42,092	55,509	17,150	234,110	219,820

(a) - Econometric Energy Forecast - Reflects impacts of projected weather trends and economic growth

(b) - Table I-8a: Energy Efficiency and Codes & Standards Energy Impacts, Relative to 2023

(c) - Table I-9b: Solar PV Impacts, Behind-the-Meter - Total Reductions in Annual Energy

(d) - Table I-10b: Non-Solar Distributed Generation Impacts, Behind-the-Meter - Total Reductions in Annual Energy

(e) - Table I-12b: Storage Annual Net Energy Consumption, both wholesale and behind-the-meter (pumped storage is not included - see Table III-2 for current resources)

(f) - Table I-11b: Electric Vehicle Energy Usage

(g) - Table I-13a: Building Electrification Energy Usage - future end-use electrification including heat pumps, water heating, cooking, and other end-uses

(h) - Table I-14: Large Loads Forecast - reflects existing plus future load growth

(i) - Table I-2: Baseline Annual Energy Forecast

(j) - Annual energy forecast with no additional large load growth beyond 2024

Table I-1c: Summary of NYCA Baseline Summer Coincident Peak Demand Forecasts – MW

Year	(a) Econometric Peak Demand	(b) (-) EE and C&S	(c) (-) Solar PV, BTM	(d) (-) Non-Solar DG, BTM	(e) (-) BTM Storage Peak Reductions	(f) (+) EV Peak Demand	(g) (+) Building Electrification	(h) (+) Large Load Projects	(i) =a-b-c-d-e+f+g+h Baseline Summer Peak Forecast	(j) Forecast Prior to Large Load Growth
2024	33,503	406	1,505	351	239	158	13	368	31,541	31,541
2025	33,781	864	1,503	361	297	233	31	630	31,650	31,388
2026	33,931	1,300	1,496	367	356	337	60	1,091	31,900	31,177
2027	34,159	1,773	1,482	372	423	492	100	1,409	32,110	31,069
2028	34,341	2,241	1,469	378	492	692	148	1,529	32,130	30,969
2029	34,613	2,706	1,439	383	562	928	206	1,683	32,340	31,025
2030	34,786	3,146	1,394	388	638	1,191	275	1,894	32,580	31,054
2031	35,079	3,593	1,342	392	714	1,480	353	2,009	32,880	31,239
2032	35,490	4,041	1,282	397	794	1,785	435	2,124	33,320	31,564
2033	35,925	4,464	1,224	402	871	2,101	526	2,239	33,830	31,959
2034	36,261	4,862	1,168	406	953	2,420	621	2,297	34,210	32,281
2035	36,540	5,228	1,108	410	1,034	2,741	722	2,297	34,520	32,591
2036	36,832	5,570	1,042	414	1,115	3,056	826	2,297	34,870	32,941
2037	37,170	5,888	988	418	1,193	3,367	933	2,297	35,280	33,351
2038	37,520	6,192	937	421	1,273	3,664	1,042	2,297	35,700	33,771
2039	37,854	6,491	877	426	1,352	3,946	1,149	2,297	36,100	34,171
2040	38,110	6,756	811	429	1,427	4,210	1,256	2,297	36,450	34,521
2041	38,337	7,026	745	433	1,506	4,454	1,362	2,297	36,740	34,811
2042	38,524	7,269	679	435	1,577	4,678	1,461	2,297	37,000	35,071
2043	38,696	7,513	623	439	1,647	4,878	1,561	2,297	37,210	35,281
2044	38,823	7,718	560	442	1,711	5,056	1,655	2,297	37,400	35,471
2045	38,956	7,917	502	445	1,771	5,208	1,744	2,297	37,570	35,641
2046	39,086	8,111	450	446	1,826	5,337	1,823	2,297	37,710	35,781
2047	39,198	8,286	403	449	1,875	5,443	1,895	2,297	37,820	35,891
2048	39,318	8,450	364	451	1,922	5,526	1,956	2,297	37,910	35,981
2049	39,474	8,620	331	454	1,964	5,589	2,009	2,297	38,000	36,071
2050	39,641	8,776	304	456	2,001	5,629	2,050	2,297	38,080	36,151
2051	39,828	8,925	278	459	2,036	5,656	2,077	2,297	38,160	36,231
2052	40,010	9,064	267	461	2,063	5,669	2,089	2,297	38,210	36,281
2053	40,228	9,212	256	464	2,093	5,671	2,089	2,297	38,260	36,331
2054	40,452	9,348	253	465	2,120	5,664	2,073	2,297	38,300	36,371

(a) - Econometric Summer Peak Demand - Reflects impacts of projected weather trends and economic growth

(b) - Table I-8b: Energy Efficiency and Codes & Standards Summer Coincident Peak Demand Reductions, Relative to 2023

(c) - Table I-9c: Solar PV Impacts, Behind-the-Meter, Total Reductions in Summer Coincident Peak Demand

(d) - Table I-10c: Non-Solar Distributed Generation Impacts, Behind-the-Meter, Total Reductions in Coincident Peak Demand

(e) - Table I-12c: Storage Impacts, Behind-the-Meter, Reductions in Coincident Peak Demand (pumped storage is not included - see Table III-2 for current resources)

(f) - Table I-11c: Electric Vehicle Summer Coincident Peak Demand

(g) - Table I-13b: Building Electrification Summer Coincident Peak Demand - future end-use electrification including heat pumps, water heating, cooking, and other end-uses

(h) - Table I-14: Large Loads Forecast - reflects existing plus future load growth

(i) - Table I-3a: Baseline Summer Coincident Peak Demand Forecast

(j) - Summer peak demand forecast with no additional large load growth beyond summer 2024

Table I-1d: Summary of NYCA Baseline Winter Coincident Peak Demand Forecasts – MW

Year	(a) Econometric Peak Demand	(b) (-) EE and C&S	(c) (-) Solar PV, BTM	(d) (-) Non-Solar DG, BTM	(e) (-) BTM Storage Peak Reductions	(f) (+) EV Peak Demand	(g) (+) Building Electrification	(h) (+) Large Load Projects	(i) =a-b-c-d-e+f+g+h Baseline Winter Peak Forecast	(j) Forecast Prior to Large Load Growth
2024-25	23,900	349	0	351	239	293	174	372	23,800	23,800
2025-26	24,091	722	0	361	297	398	318	783	24,210	23,799
2026-27	24,281	1,065	0	367	356	579	457	1,201	24,730	23,901
2027-28	24,597	1,414	0	372	423	825	648	1,409	25,270	24,233
2028-29	24,797	1,759	0	378	492	1,126	937	1,529	25,760	24,603
2029-30	24,899	2,112	0	383	562	1,474	1,351	1,683	26,350	25,039
2030-31	24,856	2,470	0	388	638	1,850	1,916	1,894	27,020	25,498
2031-32	24,941	2,840	0	392	714	2,255	2,641	2,009	27,900	26,263
2032-33	24,935	3,221	0	397	794	2,675	3,528	2,124	28,850	27,098
2033-34	24,915	3,602	0	402	871	3,102	4,569	2,239	29,950	28,083
2034-35	25,232	3,974	0	406	953	3,534	5,750	2,297	31,480	29,555
2035-36	25,463	4,338	0	410	1,034	3,959	7,053	2,297	32,990	31,065
2036-37	25,591	4,693	0	414	1,115	4,375	8,449	2,297	34,490	32,565
2037-38	25,773	5,051	0	418	1,193	4,774	9,918	2,297	36,100	34,175
2038-39	25,980	5,416	0	421	1,273	5,150	11,423	2,297	37,740	35,815
2039-40	26,341	5,782	0	426	1,352	5,507	12,935	2,297	39,520	37,595
2040-41	26,655	6,149	0	429	1,427	5,833	14,420	2,297	41,200	39,275
2041-42	27,021	6,508	0	433	1,506	6,134	15,845	2,297	42,850	40,925
2042-43	27,197	6,871	0	435	1,577	6,403	17,186	2,297	44,200	42,275
2043-44	27,381	7,227	0	439	1,647	6,635	18,410	2,297	45,410	43,485
2044-45	27,522	7,569	0	442	1,711	6,834	19,499	2,297	46,430	44,505
2045-46	27,791	7,907	0	445	1,771	7,004	20,431	2,297	47,400	45,475
2046-47	28,117	8,249	0	446	1,826	7,140	21,197	2,297	48,230	46,305
2047-48	28,457	8,587	0	449	1,875	7,246	21,791	2,297	48,880	46,955
2048-49	28,805	8,919	0	451	1,922	7,322	22,218	2,297	49,350	47,425
2049-50	29,147	9,251	0	454	1,964	7,373	22,492	2,297	49,640	47,715
2050-51	29,530	9,565	0	456	2,001	7,400	22,635	2,297	49,840	47,915
2051-52	29,922	9,871	0	459	2,036	7,409	22,688	2,297	49,950	48,025
2052-53	30,334	10,171	0	461	2,063	7,407	22,697	2,297	50,040	48,115
2053-54	30,704	10,480	0	464	2,093	7,393	22,723	2,297	50,080	48,155
2054-55	31,051	10,781	0	465	2,120	7,379	22,749	2,297	50,110	48,185

(a) - Econometric Winter Peak Demand - Reflects impacts of projected weather trends and economic growth

(b) - Table I-8c: Energy Efficiency and Codes & Standards Winter Coincident Peak Demand Reductions, Relative to 2023-24

(c) - The forecast of solar PV-related reductions to the winter peak is zero because the system typically peaks after sunset

(d) - Table I-10c: Non-Solar Distributed Generation Impacts, Behind-the-Meter, Total Reductions in Coincident Peak Demand

(e) - Table I-12c: Storage Impacts, Behind-the-Meter, Reductions in Coincident Peak Demand (pumped storage is not included - see Table III-2 for current resources)

(f) - Table I-11d: Electric Vehicle Winter Coincident Peak Demand

(g) - Table I-13c: Building Electrification Winter Coincident Peak Demand - future end-use electrification including heat pumps, water heating, cooking, and other end-uses

(h) - Table I-14: Large Loads Forecast - reflects existing plus future load growth

(i) - Table I-3b: Baseline Winter Coincident Peak Demand Forecast

(j) - Winter peak demand forecast with no additional large load growth beyond winter 2024-25

Table I-2: Baseline Annual Energy, Historical & Forecast

Includes Impacts of Energy Saving Programs, Behind-the-Meter Generation, Electrification, & Large Loads

Annual Energy by Zone - GWh

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2014	15,885	9,899	16,345	4,835	8,155	12,008	9,832	2,694	6,281	52,529	21,563	160,026
2015	15,761	9,906	16,299	4,441	8,141	12,422	10,065	2,847	6,299	53,485	21,906	161,572
2016	15,803	9,995	16,205	4,389	7,894	12,298	9,975	2,856	6,139	53,653	21,591	160,798
2017	15,261	9,775	15,819	4,322	7,761	11,823	9,669	2,883	5,976	52,266	20,815	156,370
2018	15,894	10,090	16,561	4,670	7,995	12,375	9,965	2,807	6,071	53,360	21,326	161,114
2019	14,872	9,715	15,809	4,825	7,868	11,829	9,574	2,816	5,976	52,003	20,545	155,832
2020	14,514	9,698	15,450	5,047	7,626	11,827	9,217	2,849	5,729	48,060	20,181	150,198
2021	14,731	9,797	15,560	5,415	7,616	11,827	9,262	2,884	5,781	48,832	20,273	151,978
2022	14,687	9,616	15,365	5,884	7,357	11,935	9,325	2,902	5,775	49,740	20,095	152,681
2023	14,613	9,135	14,693	5,698	7,038	11,096	9,014	2,686	5,412	48,280	19,385	147,050
2024	15,490	9,300	14,950	5,770	7,190	11,300	9,220	2,760	5,500	49,260	19,800	150,540
2025	15,960	10,000	14,590	5,850	7,010	11,030	9,230	2,740	5,530	49,210	19,870	151,020
2026	16,100	10,330	14,810	7,380	6,740	10,780	9,280	2,740	5,560	49,290	19,980	152,990
2027	15,950	10,310	14,890	8,640	6,530	10,730	9,380	2,760	5,610	49,560	20,170	154,530
2028	15,750	10,100	15,260	8,650	6,390	10,770	9,510	2,780	5,670	49,830	20,390	155,100
2029	15,670	9,990	16,160	8,680	6,320	10,730	9,690	2,830	5,750	50,170	20,670	156,660
2030	15,710	9,970	17,260	8,680	6,330	10,810	9,920	2,890	5,850	50,640	20,990	159,050
2031	15,950	10,110	18,160	8,690	6,450	11,040	10,220	2,970	5,990	51,360	21,420	162,360
2032	16,320	10,340	19,290	8,710	6,650	11,370	10,550	3,070	6,150	52,200	21,880	166,530
2033	16,810	10,670	20,520	8,740	6,910	11,810	10,920	3,180	6,320	53,090	22,410	171,380
2034	17,350	11,030	21,230	8,770	7,220	12,290	11,320	3,300	6,510	54,050	22,970	176,040
2035	17,840	11,350	21,880	8,790	7,510	12,740	11,740	3,420	6,700	55,050	23,620	180,640
2036	18,340	11,670	22,350	8,810	7,800	13,190	12,180	3,540	6,900	56,120	24,290	185,190
2037	18,830	11,990	22,770	8,840	8,100	13,640	12,630	3,670	7,110	57,240	24,980	189,800
2038	19,350	12,320	23,190	8,870	8,400	14,110	13,080	3,800	7,320	58,370	25,660	194,470
2039	19,900	12,670	23,640	8,920	8,720	14,590	13,550	3,930	7,540	59,550	26,380	199,390
2040	20,430	13,010	24,070	8,930	9,020	15,060	14,000	4,060	7,760	60,680	27,060	204,080
2041	20,930	13,340	24,480	8,940	9,310	15,510	14,430	4,190	7,970	61,750	27,690	208,540
2042	21,400	13,640	24,860	8,970	9,580	15,930	14,840	4,320	8,160	62,750	28,290	212,740
2043	21,860	13,940	25,230	8,980	9,840	16,340	15,250	4,440	8,350	63,780	28,900	216,910
2044	22,260	14,200	25,550	8,990	10,070	16,710	15,640	4,560	8,530	64,700	29,450	220,660
2045	22,600	14,420	25,820	9,010	10,270	17,040	16,000	4,660	8,690	65,530	29,930	223,970
2046	22,870	14,600	26,030	9,010	10,420	17,310	16,310	4,740	8,820	66,180	30,320	226,610
2047	23,100	14,750	26,220	9,010	10,540	17,550	16,590	4,800	8,930	66,800	30,680	228,970
2048	23,260	14,860	26,350	9,000	10,620	17,740	16,820	4,850	9,010	67,240	30,930	230,680
2049	23,380	14,940	26,440	9,000	10,670	17,890	17,010	4,890	9,080	67,600	31,130	232,030
2050	23,440	14,980	26,480	8,980	10,690	18,000	17,150	4,920	9,130	67,840	31,250	232,860
2051	23,500	15,020	26,520	8,980	10,700	18,100	17,280	4,940	9,170	68,120	31,360	233,690
2052	23,500	15,030	26,510	8,970	10,680	18,160	17,370	4,950	9,190	68,270	31,400	234,030
2053	23,480	15,030	26,490	8,960	10,650	18,200	17,450	4,960	9,210	68,370	31,410	234,210
2054	23,450	15,020	26,460	8,950	10,630	18,210	17,470	4,960	9,210	68,360	31,390	234,110

Note: Historical values reflect actual experienced weather conditions. Forecasted values reflect expected trended weather conditions.

Note: Expected weather conditions include an increasing temperature trend from the NYISO *Climate Change Impact Study Phase I* report.

Table I-3a: Baseline Summer Coincident Peak Demand, Historical & Forecast

Includes Impacts of Energy Saving Programs, Behind-the-Meter Generation, Electrification, & Large Loads

Coincident Summer Peak Demand by Zone - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2014	2,227	1,617	2,574	527	1,267	2,033	2,036	584	1,333	10,567	5,017	29,782
2015	2,632	1,926	2,705	557	1,376	2,294	2,151	617	1,345	10,410	5,126	31,139
2016	2,672	2,008	2,812	561	1,384	2,328	2,123	636	1,392	10,990	5,169	32,075
2017	2,439	1,800	2,557	502	1,152	2,032	2,063	607	1,334	10,241	4,972	29,699
2018	2,391	1,947	2,747	600	1,300	2,378	2,190	631	1,393	10,890	5,394	31,861
2019	2,367	1,841	2,592	603	1,305	2,224	2,180	652	1,313	10,015	5,305	30,397
2020	2,405	1,804	2,752	661	1,345	2,374	2,177	666	1,352	9,798	5,326	30,660
2021	2,611	1,918	2,705	588	1,366	2,352	2,236	686	1,353	10,108	4,996	30,919
2022	2,489	1,921	2,689	733	1,269	2,292	2,133	631	1,301	9,934	5,113	30,505
2023	2,492	1,822	2,623	558	1,186	2,197	2,017	664	1,239	10,357	5,051	30,206
2024	2,742	1,858	2,622	686	1,335	2,327	2,147	610	1,329	10,922	4,963	31,541
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
2030	2,752	1,942	2,940	1,054	1,216	2,232	2,287	652	1,395	11,080	5,030	32,580
2031	2,763	1,944	3,044	1,055	1,220	2,245	2,329	663	1,413	11,130	5,074	32,880
2032	2,789	1,955	3,189	1,057	1,230	2,270	2,375	676	1,430	11,220	5,129	33,320
2033	2,826	1,977	3,310	1,060	1,253	2,308	2,438	691	1,452	11,310	5,205	33,830
2034	2,858	1,989	3,361	1,064	1,275	2,339	2,488	706	1,472	11,390	5,268	34,210
2035	2,891	1,997	3,393	1,067	1,288	2,360	2,517	716	1,485	11,490	5,316	34,520
2036	2,926	2,012	3,425	1,070	1,303	2,390	2,555	726	1,500	11,590	5,373	34,870
2037	2,961	2,036	3,470	1,074	1,324	2,429	2,604	737	1,518	11,690	5,437	35,280
2038	2,995	2,064	3,513	1,079	1,347	2,471	2,655	748	1,536	11,790	5,502	35,700
2039	3,027	2,089	3,549	1,082	1,371	2,512	2,705	759	1,554	11,890	5,562	36,100
2040	3,058	2,108	3,581	1,085	1,392	2,547	2,749	769	1,569	11,980	5,612	36,450
2041	3,086	2,123	3,606	1,087	1,413	2,578	2,789	777	1,581	12,050	5,650	36,740
2042	3,112	2,136	3,631	1,089	1,431	2,608	2,826	784	1,591	12,110	5,682	37,000
2043	3,134	2,147	3,651	1,091	1,449	2,636	2,860	790	1,598	12,150	5,704	37,210
2044	3,155	2,158	3,672	1,092	1,468	2,666	2,896	795	1,603	12,170	5,725	37,400
2045	3,172	2,169	3,692	1,093	1,487	2,696	2,928	799	1,605	12,190	5,739	37,570
2046	3,186	2,177	3,707	1,093	1,501	2,722	2,957	802	1,605	12,210	5,750	37,710
2047	3,195	2,182	3,718	1,093	1,511	2,743	2,980	804	1,605	12,230	5,759	37,820
2048	3,203	2,183	3,716	1,093	1,517	2,759	2,999	806	1,606	12,260	5,768	37,910
2049	3,207	2,184	3,724	1,092	1,520	2,773	3,018	808	1,606	12,290	5,778	38,000
2050	3,209	2,182	3,718	1,092	1,517	2,785	3,038	811	1,607	12,330	5,791	38,080
2051	3,209	2,181	3,718	1,091	1,516	2,796	3,056	813	1,608	12,370	5,802	38,160
2052	3,208	2,178	3,709	1,090	1,514	2,803	3,072	815	1,609	12,400	5,812	38,210
2053	3,206	2,177	3,709	1,089	1,515	2,808	3,084	815	1,609	12,430	5,818	38,260
2054	3,204	2,176	3,712	1,089	1,514	2,811	3,089	816	1,609	12,460	5,820	38,300

Note: Historical values include demand response reductions when called. Forecast values assume no demand response reductions.

Note: Historical values reflect actual experienced weather conditions. Forecasted values reflect expected trended weather conditions.

Note: Con Edison and Orange & Rockland design their forecasts at the 67th percentile. Other Transmission Owners design their forecasts at the 50th percentile. The aggregate NYCA baseline forecast design condition is 57th percentile summer peak day weather.

Note: Expected weather conditions include an increasing temperature trend from the NYISO *Climate Change Impact Study Phase I* report.

Table I-3b: Baseline Winter Coincident Peak Demand, Historical & Forecast

Includes Impacts of Energy Saving Programs, Behind-the-Meter Generation, Electrification, & Large Loads

Coincident Winter Peak Demand by Zone - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2014-15	2,419	1,617	2,689	725	1,339	1,925	1,556	537	954	7,481	3,406	24,648
2015-16	2,253	1,486	2,469	667	1,307	1,861	1,496	453	889	7,274	3,164	23,319
2016-17	2,295	1,600	2,573	671	1,395	1,867	1,549	530	917	7,482	3,285	24,164
2017-18	2,313	1,533	2,766	735	1,398	2,012	1,638	506	933	7,822	3,425	25,081
2018-19	2,107	1,566	2,668	747	1,416	2,066	1,618	534	941	7,674	3,390	24,727
2019-20	2,100	1,460	2,482	741	1,305	1,854	1,468	479	842	7,398	3,124	23,253
2020-21	2,095	1,505	2,418	750	1,251	1,856	1,481	485	869	6,689	3,143	22,542
2021-22	2,120	1,507	2,512	846	1,283	1,894	1,506	491	861	7,116	3,101	23,237
2022-23	2,087	1,566	2,637	721	1,344	1,927	1,580	487	872	7,070	3,078	23,369
2023-24	1,988	1,458	2,364	822	1,294	1,779	1,528	494	853	7,131	3,043	22,754
2024-25	2,196	1,514	2,513	860	1,283	1,923	1,506	508	876	7,350	3,271	23,800
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
2030-31	2,574	1,738	3,121	1,263	1,376	2,124	1,760	542	973	7,910	3,639	27,020
2031-32	2,669	1,789	3,232	1,264	1,414	2,179	1,832	543	998	8,230	3,750	27,900
2032-33	2,755	1,833	3,389	1,267	1,457	2,240	1,910	552	1,027	8,540	3,880	28,850
2033-34	2,882	1,908	3,570	1,271	1,523	2,340	2,020	576	1,072	8,730	4,058	29,950
2034-35	3,029	1,995	3,728	1,276	1,601	2,458	2,148	604	1,125	9,250	4,266	31,480
2035-36	3,200	2,098	3,874	1,283	1,688	2,589	2,284	629	1,182	9,670	4,493	32,990
2036-37	3,374	2,203	4,007	1,290	1,779	2,725	2,425	657	1,241	10,060	4,729	34,490
2037-38	3,555	2,309	4,129	1,296	1,875	2,867	2,574	689	1,303	10,530	4,973	36,100
2038-39	3,751	2,422	4,269	1,303	1,977	3,019	2,731	721	1,367	10,950	5,230	37,740
2039-40	3,948	2,537	4,410	1,310	2,080	3,172	2,885	753	1,431	11,510	5,484	39,520
2040-41	4,141	2,652	4,558	1,317	2,179	3,327	3,033	781	1,494	11,980	5,738	41,200
2041-42	4,319	2,758	4,696	1,324	2,269	3,468	3,171	810	1,554	12,510	5,971	42,850
2042-43	4,480	2,851	4,811	1,329	2,350	3,595	3,298	837	1,608	12,860	6,181	44,200
2043-44	4,621	2,931	4,914	1,334	2,420	3,705	3,414	863	1,656	13,190	6,362	45,410
2044-45	4,741	3,001	4,993	1,338	2,478	3,804	3,520	884	1,698	13,450	6,523	46,430
2045-46	4,845	3,063	5,075	1,342	2,528	3,895	3,617	902	1,735	13,730	6,668	47,400
2046-47	4,930	3,115	5,148	1,345	2,569	3,973	3,703	917	1,767	13,970	6,793	48,230
2047-48	5,001	3,156	5,194	1,346	2,600	4,037	3,776	930	1,794	14,150	6,896	48,880
2048-49	5,050	3,185	5,231	1,348	2,619	4,083	3,831	940	1,814	14,280	6,969	49,350
2049-50	5,082	3,203	5,242	1,348	2,630	4,113	3,870	947	1,827	14,360	7,018	49,640
2050-51	5,100	3,213	5,255	1,348	2,634	4,129	3,897	951	1,835	14,430	7,048	49,840
2051-52	5,110	3,219	5,255	1,348	2,635	4,138	3,915	953	1,839	14,470	7,068	49,950
2052-53	5,115	3,223	5,259	1,348	2,635	4,146	3,930	953	1,842	14,510	7,079	50,040
2053-54	5,118	3,224	5,252	1,348	2,634	4,151	3,941	953	1,844	14,530	7,085	50,080
2054-55	5,119	3,225	5,256	1,348	2,634	4,155	3,948	953	1,845	14,540	7,087	50,110

Note: Historical values reflect actual experienced weather conditions. Forecasted values reflect expected trended weather conditions.
Note: Expected weather conditions include an increasing temperature trend from the NYISO *Climate Change Impact Study Phase I* report.

Table I-4a: Baseline Summer Non-Coincident Peak Demand, Historical & Forecast

Includes Impacts of Energy Saving Programs, Behind-the-Meter Generation, Electrification, & Large Loads

Non-Coincident Summer Peak Demand by Zone - MW

Year	A	B	C	D	E	F	G	H	I	J	K
2014	2,620	1,898	2,832	552	1,410	2,300	2,052	590	1,348	10,572	5,035
2015	2,728	1,954	2,815	595	1,403	2,306	2,204	632	1,398	10,586	5,236
2016	2,800	2,023	2,830	642	1,397	2,342	2,198	652	1,392	10,990	5,394
2017	2,494	1,828	2,649	543	1,343	2,192	2,125	633	1,395	10,671	5,121
2018	2,769	2,073	3,021	620	1,409	2,424	2,251	642	1,399	11,070	5,394
2019	2,620	1,926	2,705	609	1,396	2,301	2,243	659	1,392	10,802	5,438
2020	2,660	2,022	2,781	668	1,355	2,386	2,178	669	1,368	10,150	5,405
2021	2,650	2,002	2,803	694	1,395	2,392	2,274	686	1,417	10,352	5,120
2022	2,555	1,923	2,707	813	1,314	2,383	2,218	671	1,385	10,830	5,210
2023	2,524	1,856	2,730	703	1,294	2,235	2,042	664	1,259	10,372	5,051
2024	2,840	1,900	2,693	700	1,373	2,374	2,193	624	1,359	11,168	5,043
2025	2,926	2,013	2,629	708	1,354	2,318	2,204	629	1,364	11,210	5,036
2026	2,959	2,045	2,669	894	1,312	2,274	2,214	634	1,371	11,240	5,035
2027	2,941	2,038	2,683	1,078	1,273	2,280	2,230	639	1,381	11,270	5,048
2028	2,903	2,012	2,711	1,079	1,256	2,270	2,257	646	1,394	11,290	5,063
2029	2,873	1,995	2,866	1,082	1,252	2,270	2,300	656	1,411	11,300	5,090
2030	2,855	1,986	3,020	1,082	1,250	2,277	2,337	667	1,426	11,330	5,111
2031	2,866	1,988	3,127	1,083	1,254	2,290	2,380	678	1,445	11,380	5,156
2032	2,893	1,999	3,276	1,085	1,264	2,315	2,427	691	1,462	11,470	5,212
2033	2,931	2,022	3,400	1,089	1,288	2,354	2,491	707	1,485	11,560	5,289
2034	2,965	2,034	3,452	1,093	1,311	2,386	2,542	722	1,505	11,650	5,353
2035	2,999	2,042	3,485	1,096	1,324	2,407	2,572	732	1,518	11,750	5,402
2036	3,035	2,057	3,518	1,099	1,339	2,438	2,610	742	1,534	11,850	5,460
2037	3,071	2,082	3,564	1,103	1,361	2,478	2,661	754	1,552	11,950	5,525
2038	3,107	2,111	3,609	1,108	1,385	2,520	2,713	765	1,571	12,060	5,591
2039	3,140	2,136	3,646	1,111	1,409	2,562	2,764	776	1,589	12,160	5,652
2040	3,172	2,156	3,678	1,114	1,431	2,598	2,809	786	1,604	12,250	5,703
2041	3,201	2,171	3,704	1,116	1,453	2,630	2,850	794	1,617	12,320	5,742
2042	3,228	2,184	3,730	1,118	1,471	2,660	2,887	802	1,627	12,380	5,774
2043	3,251	2,196	3,750	1,120	1,490	2,689	2,922	808	1,634	12,420	5,796
2044	3,273	2,207	3,772	1,121	1,509	2,719	2,959	813	1,639	12,440	5,818
2045	3,290	2,218	3,792	1,122	1,529	2,750	2,992	817	1,641	12,460	5,832
2046	3,305	2,226	3,808	1,122	1,543	2,776	3,021	820	1,641	12,480	5,843
2047	3,314	2,231	3,819	1,122	1,553	2,798	3,045	822	1,641	12,510	5,852
2048	3,322	2,232	3,817	1,122	1,559	2,814	3,064	824	1,642	12,540	5,861
2049	3,327	2,233	3,825	1,121	1,563	2,828	3,083	826	1,642	12,570	5,872
2050	3,329	2,231	3,819	1,121	1,559	2,841	3,104	829	1,643	12,610	5,885
2051	3,329	2,230	3,819	1,120	1,558	2,852	3,122	831	1,644	12,650	5,896
2052	3,328	2,227	3,810	1,119	1,556	2,859	3,139	833	1,645	12,680	5,906
2053	3,326	2,226	3,810	1,118	1,557	2,864	3,151	833	1,645	12,710	5,912
2054	3,324	2,225	3,813	1,118	1,556	2,867	3,156	834	1,645	12,740	5,914

Note: Historical values include demand response reductions when called. Forecast values assume no demand response reductions.

Note: Historical values reflect actual experienced weather conditions. Forecasted values reflect expected trended weather conditions.

Note: Con Edison and Orange & Rockland design their forecasts at the 67th percentile.
Other Transmission Owners design their forecasts at the 50th percentile.

Note: Expected weather conditions include an increasing temperature trend from the NYISO *Climate Change Impact Study Phase I* report.

Table I-4b: Baseline Winter Non-Coincident Peak Demand, Historical & Forecast

Includes Impacts of Energy Saving Programs, Behind-the-Meter Generation, Electrification, & Large Loads

Non-Coincident Winter Peak Demand by Zone - MW

Year	A	B	C	D	E	F	G	H	I	J	K
2014-15	2,419	1,617	2,689	725	1,339	1,925	1,556	537	954	7,481	3,406
2015-16	2,253	1,486	2,469	667	1,307	1,861	1,496	453	889	7,274	3,164
2016-17	2,295	1,600	2,573	671	1,395	1,867	1,549	530	917	7,482	3,285
2017-18	2,313	1,533	2,766	735	1,398	2,012	1,638	506	933	7,822	3,425
2018-19	2,107	1,566	2,668	747	1,416	2,066	1,618	534	941	7,674	3,390
2019-20	2,100	1,460	2,482	741	1,305	1,854	1,468	479	842	7,398	3,124
2020-21	2,095	1,505	2,418	750	1,251	1,856	1,481	485	869	6,689	3,143
2021-22	2,120	1,507	2,512	846	1,283	1,894	1,506	491	861	7,116	3,101
2022-23	2,087	1,566	2,637	835	1,344	1,927	1,580	522	872	7,070	3,123
2023-24	2,154	1,464	2,378	827	1,294	1,826	1,528	494	855	7,200	3,043
2024-25	2,220	1,526	2,518	878	1,306	1,935	1,517	519	886	7,420	3,284
2025-26	2,308	1,597	2,486	1,043	1,315	1,934	1,535	519	895	7,480	3,312
2026-27	2,374	1,639	2,592	1,194	1,312	1,943	1,559	523	906	7,560	3,347
2027-28	2,428	1,660	2,680	1,284	1,327	2,013	1,602	533	924	7,630	3,410
2028-29	2,471	1,683	2,803	1,285	1,347	2,049	1,651	543	943	7,730	3,479
2029-30	2,526	1,714	2,947	1,290	1,373	2,095	1,712	548	966	7,840	3,567
2030-31	2,602	1,752	3,127	1,290	1,401	2,137	1,772	553	984	7,980	3,654
2031-32	2,698	1,803	3,238	1,291	1,439	2,192	1,845	554	1,009	8,300	3,765
2032-33	2,785	1,848	3,396	1,294	1,483	2,253	1,923	564	1,038	8,620	3,896
2033-34	2,914	1,923	3,577	1,298	1,550	2,354	2,034	588	1,084	8,810	4,074
2034-35	3,062	2,011	3,735	1,303	1,630	2,473	2,163	617	1,137	9,330	4,283
2035-36	3,235	2,115	3,882	1,310	1,718	2,605	2,300	642	1,195	9,760	4,511
2036-37	3,411	2,221	4,015	1,317	1,811	2,741	2,442	671	1,255	10,150	4,748
2037-38	3,594	2,327	4,137	1,323	1,909	2,884	2,592	703	1,317	10,620	4,993
2038-39	3,792	2,441	4,278	1,330	2,013	3,037	2,750	736	1,382	11,050	5,251
2039-40	3,991	2,557	4,419	1,338	2,117	3,191	2,905	769	1,447	11,610	5,506
2040-41	4,187	2,673	4,567	1,345	2,218	3,347	3,054	797	1,510	12,090	5,761
2041-42	4,367	2,780	4,705	1,352	2,310	3,489	3,193	827	1,571	12,620	5,995
2042-43	4,529	2,874	4,821	1,357	2,392	3,617	3,321	855	1,626	12,980	6,206
2043-44	4,672	2,954	4,924	1,362	2,464	3,727	3,438	881	1,674	13,310	6,387
2044-45	4,793	3,025	5,003	1,366	2,523	3,827	3,545	903	1,717	13,570	6,549
2045-46	4,898	3,088	5,085	1,370	2,574	3,918	3,642	921	1,754	13,850	6,695
2046-47	4,984	3,140	5,158	1,373	2,615	3,997	3,729	936	1,786	14,100	6,820
2047-48	5,056	3,181	5,204	1,374	2,647	4,061	3,802	950	1,814	14,280	6,924
2048-49	5,106	3,210	5,241	1,376	2,666	4,107	3,858	960	1,834	14,410	6,997
2049-50	5,138	3,229	5,252	1,376	2,677	4,138	3,897	967	1,847	14,490	7,046
2050-51	5,156	3,239	5,266	1,376	2,681	4,154	3,924	971	1,855	14,560	7,076
2051-52	5,166	3,245	5,266	1,376	2,682	4,163	3,942	973	1,859	14,600	7,096
2052-53	5,171	3,249	5,270	1,376	2,682	4,171	3,958	973	1,862	14,640	7,107
2053-54	5,174	3,250	5,263	1,376	2,681	4,176	3,969	973	1,864	14,660	7,113
2054-55	5,175	3,251	5,267	1,376	2,681	4,180	3,976	973	1,865	14,670	7,115

Note: Historical values reflect actual experienced weather conditions. Forecasted values reflect expected trended weather conditions.

Note: Expected weather conditions include an increasing temperature trend from the NYISO *Climate Change Impact Study Phase I* report.

Table I-5: Baseline Peak Demand in G-to-J Locality, Historical & Forecast

Includes Impacts of Energy Saving Programs, Behind-the-Meter Generation, Electrification, & Large Loads

G-to-J Locality Summer Peak Demand by Zone - MW

Year	G	H	I	J	G-J
2014	2,046	585	1,348	10,572	14,551
2015	2,168	629	1,398	10,583	14,778
2016	2,123	636	1,392	10,990	15,141
2017	2,125	611	1,367	10,671	14,774
2018	2,130	642	1,379	10,979	15,130
2019	1,992	582	1,336	10,767	14,677
2020	1,992	648	1,368	10,139	14,147
2021	2,197	673	1,407	10,352	14,629
2022	2,133	671	1,385	10,779	14,968
2023	2,017	664	1,239	10,357	14,277
2024	2,177	619	1,347	11,077	15,220
2025	2,188	624	1,353	11,116	15,281
2026	2,198	629	1,360	11,146	15,333
2027	2,214	634	1,370	11,176	15,394
2028	2,240	641	1,382	11,197	15,460
2029	2,283	651	1,400	11,207	15,541
2030	2,319	661	1,415	11,237	15,632
2031	2,362	672	1,433	11,288	15,755
2032	2,409	686	1,450	11,379	15,924
2033	2,473	701	1,473	11,471	16,118
2034	2,523	716	1,493	11,552	16,284
2035	2,553	726	1,506	11,653	16,438
2036	2,591	736	1,521	11,755	16,603
2037	2,641	747	1,540	11,856	16,784
2038	2,693	759	1,558	11,957	16,967
2039	2,743	770	1,576	12,059	17,148
2040	2,788	780	1,591	12,150	17,309
2041	2,829	788	1,603	12,221	17,441
2042	2,866	795	1,614	12,282	17,557
2043	2,901	801	1,621	12,323	17,646
2044	2,937	806	1,626	12,343	17,712
2045	2,970	810	1,628	12,363	17,771
2046	2,999	813	1,628	12,383	17,823
2047	3,022	815	1,628	12,404	17,869
2048	3,042	817	1,629	12,434	17,922
2049	3,061	819	1,629	12,465	17,974
2050	3,081	823	1,630	12,505	18,039
2051	3,099	825	1,631	12,546	18,101
2052	3,116	827	1,632	12,576	18,151
2053	3,128	827	1,632	12,607	18,194
2054	3,133	828	1,632	12,637	18,230

G-to-J Locality Winter Peak Demand by Zone - MW

Year	G	H	I	J	G-J
2014-15	1,500	515	941	7,632	10,588
2015-16	1,524	442	896	7,297	10,159
2016-17	1,549	530	917	7,483	10,479
2017-18	1,638	506	933	7,822	10,899
2018-19	1,593	521	941	7,727	10,782
2019-20	1,468	479	842	7,398	10,187
2020-21	1,465	533	841	6,829	9,668
2021-22	1,506	491	861	7,116	9,974
2022-23	1,580	487	872	7,070	10,009
2023-24	1,515	483	846	7,200	10,044
2024-25	1,503	506	876	7,394	10,279
2025-26	1,521	506	885	7,454	10,366
2026-27	1,545	510	896	7,535	10,486
2027-28	1,588	520	914	7,605	10,627
2028-29	1,637	530	933	7,706	10,806
2029-30	1,697	535	955	7,817	11,004
2030-31	1,756	540	973	7,957	11,226
2031-32	1,828	541	998	8,279	11,646
2032-33	1,906	550	1,027	8,591	12,074
2033-34	2,016	574	1,072	8,782	12,444
2034-35	2,144	602	1,125	9,306	13,177
2035-36	2,279	626	1,182	9,728	13,815
2036-37	2,420	654	1,241	10,120	14,435
2037-38	2,569	686	1,303	10,593	15,151
2038-39	2,726	718	1,367	11,016	15,827
2039-40	2,879	750	1,431	11,579	16,639
2040-41	3,027	778	1,494	12,052	17,351
2041-42	3,165	807	1,554	12,585	18,111
2042-43	3,291	834	1,608	12,937	18,670
2043-44	3,407	860	1,656	13,269	19,192
2044-45	3,513	880	1,698	13,531	19,622
2045-46	3,610	898	1,735	13,812	20,055
2046-47	3,696	913	1,767	14,054	20,430
2047-48	3,768	926	1,794	14,235	20,723
2048-49	3,823	936	1,814	14,366	20,939
2049-50	3,862	943	1,827	14,446	21,078
2050-51	3,889	947	1,835	14,517	21,188
2051-52	3,907	949	1,839	14,557	21,252
2052-53	3,922	949	1,842	14,597	21,310
2053-54	3,933	949	1,844	14,617	21,343
2054-55	3,940	949	1,845	14,627	21,361

Note: Historical values include demand response reductions when called. Forecast values assume no demand response reductions.

Note: Historical values reflect actual experienced weather conditions. Forecasted values reflect expected trended weather conditions.

Note: Con Edison and Orange & Rockland design their forecasts at the 67th percentile. Other Transmission Owners design their forecasts at the 50th percentile. The aggregate NYCA baseline forecast design condition is 57th percentile summer peak day weather.

Note: Expected weather conditions include an increasing temperature trend from the NYISO *Climate Change Impact Study Phase I* report.

Table I-6a: 90th Percentile Forecast of Baseline Energy due to Weather

Includes Impacts of Energy Saving Programs, Behind-the-Meter Generation, Electrification, & Large Loads

90th Percentile of Annual Energy due to Weather - GWh

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2024	15,617	9,395	15,067	5,799	7,248	11,414	9,335	2,799	5,570	49,826	20,087	152,157
2025	16,091	10,102	14,704	5,879	7,067	11,141	9,345	2,779	5,601	49,776	20,158	152,643
2026	16,232	10,435	14,926	7,417	6,795	10,889	9,396	2,779	5,631	49,857	20,270	154,627
2027	16,081	10,415	15,006	8,683	6,583	10,838	9,497	2,799	5,682	50,130	20,462	156,176
2028	15,879	10,203	15,379	8,693	6,442	10,879	9,629	2,820	5,743	50,403	20,686	156,756
2029	15,798	10,092	16,286	8,723	6,371	10,838	9,811	2,870	5,824	50,747	20,970	158,330
2030	15,839	10,072	17,395	8,723	6,381	10,919	10,044	2,931	5,925	51,222	21,294	160,745
2031	16,081	10,213	18,302	8,733	6,502	11,152	10,348	3,012	6,067	51,951	21,731	164,092
2032	16,454	10,445	19,440	8,754	6,704	11,485	10,682	3,114	6,229	52,800	22,197	168,304
2033	16,948	10,779	20,680	8,784	6,966	11,929	11,057	3,225	6,401	53,701	22,735	173,205
2034	17,492	11,143	21,396	8,814	7,278	12,414	11,462	3,347	6,593	54,672	23,303	177,914
2035	17,986	11,466	22,051	8,834	7,571	12,869	11,887	3,469	6,786	55,683	23,962	182,564
2036	18,490	11,789	22,524	8,854	7,863	13,323	12,332	3,591	6,988	56,765	24,642	187,161
2037	18,984	12,112	22,948	8,884	8,166	13,778	12,788	3,722	7,201	57,898	25,342	191,823
2038	19,509	12,446	23,371	8,914	8,468	14,253	13,244	3,854	7,414	59,041	26,032	196,546
2039	20,063	12,799	23,824	8,965	8,791	14,737	13,719	3,986	7,637	60,235	26,763	201,519
2040	20,598	13,143	24,258	8,975	9,093	15,212	14,175	4,118	7,859	61,378	27,452	206,261
2041	21,102	13,476	24,671	8,985	9,385	15,667	14,610	4,250	8,072	62,460	28,092	210,770
2042	21,575	13,779	25,054	9,015	9,658	16,091	15,026	4,382	8,264	63,472	28,700	215,016
2043	22,039	14,082	25,427	9,025	9,920	16,505	15,441	4,503	8,457	64,513	29,319	219,231
2044	22,443	14,345	25,749	9,035	10,152	16,879	15,836	4,625	8,639	65,444	29,877	223,024
2045	22,785	14,567	26,021	9,055	10,353	17,212	16,200	4,727	8,801	66,284	30,364	226,369
2046	23,058	14,749	26,233	9,055	10,504	17,485	16,514	4,808	8,933	66,941	30,760	229,040
2047	23,289	14,900	26,425	9,055	10,625	17,727	16,797	4,869	9,044	67,568	31,125	231,424
2048	23,451	15,012	26,556	9,045	10,706	17,919	17,030	4,919	9,125	68,013	31,378	233,154
2049	23,572	15,092	26,646	9,045	10,756	18,071	17,223	4,960	9,196	68,377	31,581	234,519
2050	23,632	15,133	26,687	9,025	10,777	18,182	17,364	4,990	9,247	68,620	31,703	235,360
2051	23,693	15,173	26,727	9,025	10,787	18,283	17,496	5,011	9,287	68,903	31,815	236,200
2052	23,693	15,183	26,717	9,015	10,767	18,343	17,587	5,021	9,308	69,055	31,855	236,544
2053	23,673	15,183	26,697	9,005	10,736	18,384	17,668	5,031	9,328	69,156	31,865	236,726
2054	23,642	15,173	26,666	8,995	10,716	18,394	17,688	5,031	9,328	69,146	31,845	236,624

Note: 90th percentile energy forecast is representative of warmer than expected trended weather conditions in summer and colder than expected trended weather conditions in winter.

Note: Expected weather conditions include an increasing temperature trend from the NYISO *Climate Change Impact Study Phase I* report.

Table I-6b: 10th Percentile Forecast of Baseline Energy due to Weather

Includes Impacts of Energy Saving Programs, Behind-the-Meter Generation, Electrification, & Large Loads

10th Percentile of Annual Energy due to Weather - GWh

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2024	15,363	9,205	14,833	5,741	7,132	11,186	9,105	2,721	5,430	48,694	19,513	148,923
2025	15,829	9,898	14,476	5,821	6,953	10,919	9,115	2,701	5,459	48,644	19,582	149,397
2026	15,968	10,225	14,694	7,343	6,685	10,671	9,164	2,701	5,489	48,723	19,690	151,353
2027	15,819	10,205	14,774	8,597	6,477	10,622	9,263	2,721	5,538	48,990	19,878	152,884
2028	15,621	9,997	15,141	8,607	6,338	10,661	9,391	2,740	5,597	49,257	20,094	153,444
2029	15,542	9,888	16,034	8,637	6,269	10,622	9,569	2,790	5,676	49,593	20,370	154,990
2030	15,581	9,868	17,125	8,637	6,279	10,701	9,796	2,849	5,775	50,058	20,686	157,355
2031	15,819	10,007	18,018	8,647	6,398	10,928	10,092	2,928	5,913	50,769	21,109	160,628
2032	16,186	10,235	19,140	8,666	6,596	11,255	10,418	3,026	6,071	51,600	21,563	164,756
2033	16,672	10,561	20,360	8,696	6,854	11,691	10,784	3,135	6,239	52,479	22,085	169,556
2034	17,208	10,917	21,064	8,726	7,162	12,166	11,179	3,253	6,427	53,428	22,637	174,167
2035	17,694	11,234	21,709	8,746	7,449	12,611	11,593	3,371	6,614	54,417	23,278	178,716
2036	18,190	11,551	22,176	8,766	7,737	13,057	12,028	3,489	6,812	55,475	23,938	183,219
2037	18,676	11,868	22,592	8,796	8,034	13,502	12,472	3,618	7,019	56,582	24,618	187,777
2038	19,191	12,194	23,009	8,826	8,332	13,967	12,917	3,746	7,226	57,699	25,288	192,395
2039	19,737	12,541	23,456	8,875	8,649	14,443	13,381	3,874	7,443	58,865	25,997	197,261
2040	20,262	12,877	23,882	8,885	8,947	14,908	13,825	4,002	7,661	59,982	26,668	201,899
2041	20,758	13,204	24,289	8,895	9,235	15,353	14,250	4,130	7,868	61,040	27,288	206,310
2042	21,225	13,501	24,666	8,925	9,502	15,769	14,655	4,258	8,056	62,028	27,880	210,465
2043	21,681	13,798	25,033	8,935	9,760	16,175	15,059	4,377	8,243	63,047	28,481	214,589
2044	22,077	14,055	25,351	8,945	9,988	16,541	15,445	4,495	8,421	63,956	29,023	218,297
2045	22,415	14,273	25,619	8,965	10,187	16,868	15,800	4,593	8,579	64,776	29,496	221,571
2046	22,682	14,451	25,827	8,965	10,336	17,135	16,106	4,672	8,707	65,419	29,880	224,180
2047	22,911	14,600	26,015	8,965	10,455	17,373	16,383	4,731	8,816	66,032	30,235	226,516
2048	23,069	14,708	26,144	8,955	10,534	17,561	16,610	4,781	8,895	66,467	30,482	228,206
2049	23,188	14,788	26,234	8,955	10,584	17,709	16,797	4,820	8,964	66,823	30,679	229,541
2050	23,248	14,827	26,273	8,935	10,603	17,818	16,936	4,850	9,013	67,060	30,797	230,360
2051	23,307	14,867	26,313	8,935	10,613	17,917	17,064	4,869	9,053	67,337	30,905	231,180
2052	23,307	14,877	26,303	8,925	10,593	17,977	17,153	4,879	9,072	67,485	30,945	231,516
2053	23,287	14,877	26,283	8,915	10,564	18,016	17,232	4,889	9,092	67,584	30,955	231,694
2054	23,258	14,867	26,254	8,905	10,544	18,026	17,252	4,889	9,092	67,574	30,935	231,596

Note: 90th percentile energy forecast is representative of cooler than expected trended weather conditions in summer and warmer than expected trended weather conditions in winter.

Note: Expected weather conditions include an increasing temperature trend from the NYISO *Climate Change Impact Study Phase I* report.

Table I-7a: 90th Percentile Forecast of Baseline Summer Coincident Peak Demand due to Weather

Includes Impacts of Energy Saving Programs, Behind-the-Meter Generation, Electrification, & Large Loads

90th Percentile of Summer Coincident Peak Demand due to Weather - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2024	2,932	1,987	2,804	734	1,428	2,463	2,272	641	1,397	11,285	5,358	33,301
2025	3,017	2,106	2,737	737	1,408	2,405	2,283	646	1,402	11,324	5,351	33,416
2026	3,051	2,139	2,778	932	1,365	2,359	2,293	652	1,409	11,355	5,350	33,683
2027	3,032	2,131	2,793	1,123	1,324	2,365	2,310	657	1,420	11,386	5,364	33,905
2028	2,993	2,105	2,822	1,124	1,307	2,355	2,338	664	1,433	11,407	5,379	33,927
2029	2,962	2,087	2,984	1,127	1,303	2,355	2,382	675	1,450	11,417	5,408	34,150
2030	2,943	2,077	3,144	1,127	1,300	2,362	2,420	685	1,466	11,448	5,431	34,403
2031	2,955	2,079	3,255	1,128	1,305	2,376	2,465	697	1,485	11,500	5,478	34,723
2032	2,983	2,091	3,411	1,130	1,315	2,402	2,513	711	1,503	11,593	5,538	35,190
2033	3,022	2,114	3,540	1,134	1,340	2,442	2,580	726	1,526	11,686	5,620	35,730
2034	3,057	2,127	3,594	1,138	1,364	2,475	2,633	742	1,547	11,769	5,688	36,134
2035	3,092	2,136	3,629	1,141	1,377	2,497	2,664	753	1,561	11,872	5,740	36,462
2036	3,129	2,152	3,663	1,144	1,394	2,529	2,704	763	1,577	11,975	5,801	36,831
2037	3,167	2,177	3,711	1,149	1,416	2,570	2,756	775	1,596	12,079	5,870	37,266
2038	3,203	2,207	3,757	1,154	1,441	2,615	2,810	786	1,614	12,182	5,940	37,709
2039	3,237	2,234	3,796	1,157	1,466	2,658	2,863	798	1,633	12,285	6,005	38,132
2040	3,270	2,254	3,830	1,160	1,489	2,695	2,909	808	1,649	12,378	6,059	38,501
2041	3,300	2,270	3,857	1,163	1,511	2,728	2,951	817	1,662	12,451	6,100	38,810
2042	3,328	2,284	3,883	1,165	1,530	2,760	2,991	824	1,672	12,513	6,135	39,085
2043	3,352	2,296	3,905	1,167	1,550	2,790	3,027	830	1,680	12,554	6,159	39,310
2044	3,374	2,308	3,927	1,168	1,570	2,821	3,065	836	1,685	12,575	6,181	39,510
2045	3,392	2,320	3,948	1,169	1,590	2,853	3,099	840	1,687	12,595	6,196	39,689
2046	3,407	2,328	3,965	1,169	1,605	2,881	3,129	843	1,687	12,616	6,208	39,838
2047	3,417	2,334	3,976	1,169	1,616	2,903	3,154	845	1,687	12,637	6,218	39,956
2048	3,426	2,335	3,974	1,169	1,622	2,920	3,174	847	1,688	12,668	6,228	40,051
2049	3,430	2,336	3,983	1,168	1,626	2,934	3,194	849	1,688	12,699	6,238	40,145
2050	3,432	2,334	3,976	1,168	1,622	2,947	3,215	852	1,689	12,740	6,252	40,227
2051	3,432	2,333	3,976	1,167	1,621	2,959	3,234	855	1,690	12,781	6,264	40,312
2052	3,431	2,329	3,967	1,166	1,619	2,966	3,251	857	1,691	12,812	6,275	40,364
2053	3,429	2,328	3,967	1,165	1,620	2,972	3,264	857	1,691	12,843	6,282	40,418
2054	3,427	2,327	3,970	1,165	1,619	2,975	3,269	858	1,691	12,874	6,284	40,459

Note: 90th percentile summer peak demand forecast is representative of a warmer than expected summer peak day.

Note: Expected weather conditions include an increasing temperature trend from the NYISO *Climate Change Impact Study Phase I* report.

Note: Forecast values assume no demand response reductions.

Table I-7b: 10th Percentile Forecast of Baseline Summer Coincident Peak Demand due to Weather

Includes Impacts of Energy Saving Programs, Behind-the-Meter Generation, Electrification, & Large Loads

10th Percentile of Summer Coincident Peak Demand due to Weather - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2024	2,544	1,724	2,433	636	1,239	2,137	1,972	542	1,180	9,951	4,568	28,926
2025	2,617	1,827	2,374	639	1,222	2,088	1,981	546	1,185	9,985	4,562	29,026
2026	2,647	1,855	2,410	808	1,184	2,047	1,990	551	1,191	10,012	4,561	29,256
2027	2,630	1,849	2,423	974	1,149	2,053	2,005	555	1,200	10,040	4,573	29,451
2028	2,597	1,826	2,448	975	1,134	2,044	2,029	561	1,210	10,058	4,586	29,468
2029	2,570	1,810	2,588	978	1,130	2,044	2,068	570	1,225	10,067	4,611	29,661
2030	2,553	1,802	2,728	978	1,128	2,050	2,101	579	1,239	10,094	4,630	29,882
2031	2,563	1,804	2,824	979	1,132	2,062	2,139	589	1,255	10,140	4,671	30,158
2032	2,587	1,814	2,959	981	1,141	2,085	2,181	600	1,270	10,222	4,721	30,561
2033	2,622	1,834	3,071	983	1,162	2,120	2,239	614	1,289	10,304	4,791	31,029
2034	2,651	1,845	3,118	987	1,183	2,148	2,285	627	1,307	10,377	4,849	31,377
2035	2,682	1,853	3,148	990	1,195	2,168	2,312	636	1,319	10,468	4,893	31,664
2036	2,715	1,867	3,177	993	1,209	2,195	2,347	645	1,332	10,559	4,946	31,985
2037	2,747	1,889	3,219	996	1,228	2,231	2,392	654	1,348	10,650	5,005	32,359
2038	2,779	1,915	3,259	1,001	1,250	2,270	2,439	664	1,364	10,741	5,065	32,747
2039	2,808	1,938	3,293	1,004	1,272	2,307	2,485	674	1,380	10,832	5,120	33,113
2040	2,837	1,956	3,322	1,007	1,291	2,339	2,525	683	1,393	10,914	5,166	33,433
2041	2,863	1,970	3,345	1,008	1,311	2,368	2,562	690	1,404	10,978	5,201	33,700
2042	2,887	1,982	3,369	1,010	1,328	2,395	2,596	696	1,413	11,033	5,230	33,939
2043	2,908	1,992	3,387	1,012	1,344	2,421	2,627	702	1,419	11,069	5,250	34,131
2044	2,927	2,002	3,407	1,013	1,362	2,449	2,660	706	1,423	11,088	5,270	34,307
2045	2,943	2,012	3,425	1,014	1,380	2,476	2,689	709	1,425	11,106	5,283	34,462
2046	2,956	2,020	3,439	1,014	1,393	2,500	2,716	712	1,425	11,124	5,293	34,592
2047	2,964	2,024	3,449	1,014	1,402	2,519	2,737	714	1,425	11,142	5,301	34,691
2048	2,972	2,025	3,447	1,014	1,407	2,534	2,755	716	1,426	11,170	5,309	34,775
2049	2,975	2,026	3,455	1,013	1,410	2,547	2,772	717	1,426	11,197	5,319	34,857
2050	2,977	2,024	3,449	1,013	1,407	2,558	2,790	720	1,427	11,233	5,331	34,929
2051	2,977	2,023	3,449	1,012	1,406	2,568	2,807	722	1,428	11,270	5,341	35,003
2052	2,976	2,021	3,441	1,011	1,405	2,575	2,822	724	1,429	11,297	5,350	35,051
2053	2,974	2,020	3,441	1,010	1,406	2,579	2,833	724	1,429	11,324	5,355	35,095
2054	2,972	2,019	3,444	1,010	1,405	2,582	2,837	725	1,429	11,352	5,357	35,132

Note: 10th percentile summer peak demand forecast is representative of a cooler than expected summer peak day.

Note: Expected weather conditions include an increasing temperature trend from the NYISO *Climate Change Impact Study Phase I* report.

Note: Forecast values assume no demand response reductions.

Table I-7c: 90th Percentile Forecast of Baseline Winter Coincident Peak Demand due to Weather

Includes Impacts of Energy Saving Programs, Behind-the-Meter Generation, Electrification, & Large Loads

90th Percentile of Winter Coincident Peak Demand due to Weather - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2024-25	2,291	1,579	2,621	897	1,338	2,006	1,571	530	914	7,666	3,412	24,825
2025-26	2,381	1,652	2,588	1,066	1,348	2,005	1,590	530	923	7,729	3,441	25,253
2026-27	2,449	1,696	2,698	1,219	1,344	2,014	1,615	534	935	7,812	3,478	25,794
2027-28	2,505	1,718	2,790	1,312	1,360	2,087	1,659	544	953	7,885	3,542	26,355
2028-29	2,549	1,742	2,917	1,313	1,380	2,125	1,711	555	973	7,990	3,614	26,869
2029-30	2,607	1,773	3,068	1,317	1,407	2,173	1,773	560	996	8,104	3,706	27,484
2030-31	2,685	1,813	3,255	1,317	1,435	2,215	1,836	565	1,015	8,250	3,796	28,182
2031-32	2,784	1,866	3,371	1,318	1,475	2,273	1,911	566	1,041	8,584	3,911	29,100
2032-33	2,874	1,912	3,535	1,322	1,520	2,336	1,992	576	1,071	8,908	4,047	30,093
2033-34	3,006	1,990	3,724	1,326	1,589	2,441	2,107	601	1,118	9,106	4,233	31,241
2034-35	3,159	2,081	3,888	1,331	1,670	2,564	2,240	630	1,173	9,648	4,450	32,834
2035-36	3,338	2,188	4,041	1,338	1,761	2,700	2,382	656	1,233	10,086	4,686	34,409
2036-37	3,519	2,298	4,179	1,346	1,856	2,842	2,529	685	1,294	10,493	4,933	35,974
2037-38	3,708	2,408	4,307	1,352	1,956	2,990	2,685	719	1,359	10,983	5,187	37,654
2038-39	3,912	2,526	4,453	1,359	2,062	3,149	2,849	752	1,426	11,421	5,455	39,364
2039-40	4,118	2,646	4,600	1,366	2,170	3,309	3,009	785	1,493	12,005	5,720	41,221
2040-41	4,319	2,766	4,754	1,374	2,273	3,470	3,164	815	1,558	12,496	5,985	42,974
2041-42	4,505	2,877	4,898	1,381	2,367	3,617	3,307	845	1,621	13,048	6,228	44,694
2042-43	4,673	2,974	5,018	1,386	2,451	3,750	3,440	873	1,677	13,414	6,447	46,103
2043-44	4,820	3,057	5,126	1,391	2,524	3,864	3,561	900	1,727	13,758	6,636	47,364
2044-45	4,945	3,130	5,208	1,396	2,585	3,968	3,672	922	1,771	14,029	6,804	48,430
2045-46	5,054	3,195	5,293	1,400	2,637	4,063	3,773	941	1,810	14,321	6,955	49,442
2046-47	5,142	3,249	5,370	1,403	2,680	4,144	3,862	956	1,843	14,571	7,085	50,305
2047-48	5,216	3,292	5,418	1,404	2,712	4,211	3,939	970	1,871	14,759	7,193	50,985
2048-49	5,267	3,322	5,456	1,406	2,732	4,259	3,996	980	1,892	14,895	7,269	51,474
2049-50	5,301	3,341	5,468	1,406	2,743	4,290	4,037	988	1,906	14,978	7,320	51,778
2050-51	5,320	3,351	5,481	1,406	2,747	4,307	4,065	992	1,914	15,051	7,351	51,985
2051-52	5,330	3,358	5,481	1,406	2,748	4,316	4,084	994	1,918	15,093	7,372	52,100
2052-53	5,335	3,362	5,485	1,406	2,748	4,324	4,099	994	1,921	15,135	7,384	52,193
2053-54	5,338	3,363	5,478	1,406	2,747	4,330	4,111	994	1,923	15,155	7,390	52,235
2054-55	5,339	3,364	5,482	1,406	2,747	4,334	4,118	994	1,924	15,166	7,392	52,266

Note: 90th percentile winter peak demand forecast is representative of a colder than expected winter peak day.

Note: Expected weather conditions include an increasing temperature trend from the NYISO *Climate Change Impact Study Phase I* report.

Table I-7d: 10th Percentile Forecast of Baseline Winter Coincident Peak Demand due to Weather

Includes Impacts of Energy Saving Programs, Behind-the-Meter Generation, Electrification, & Large Loads

10th Percentile of Winter Coincident Peak Demand due to Weather - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2024-25	2,085	1,438	2,386	817	1,218	1,826	1,430	482	832	6,979	3,106	22,599
2025-26	2,168	1,504	2,356	970	1,227	1,825	1,447	482	840	7,036	3,133	22,988
2026-27	2,230	1,544	2,457	1,110	1,224	1,834	1,470	486	851	7,112	3,166	23,484
2027-28	2,281	1,564	2,540	1,195	1,238	1,900	1,511	496	868	7,179	3,225	23,997
2028-29	2,321	1,586	2,656	1,195	1,256	1,934	1,557	505	886	7,274	3,290	24,460
2029-30	2,373	1,614	2,793	1,199	1,281	1,978	1,614	510	907	7,378	3,374	25,021
2030-31	2,444	1,650	2,964	1,199	1,307	2,017	1,671	515	924	7,511	3,455	25,657
2031-32	2,534	1,699	3,069	1,200	1,343	2,069	1,740	516	948	7,815	3,561	26,494
2032-33	2,616	1,741	3,218	1,203	1,384	2,127	1,814	524	975	8,109	3,684	27,395
2033-34	2,737	1,812	3,390	1,207	1,446	2,222	1,918	547	1,018	8,290	3,853	28,440
2034-35	2,876	1,894	3,540	1,212	1,520	2,334	2,040	574	1,068	8,783	4,051	29,892
2035-36	3,039	1,992	3,679	1,218	1,603	2,458	2,169	597	1,122	9,182	4,266	31,325
2036-37	3,204	2,092	3,805	1,225	1,689	2,588	2,303	624	1,178	9,553	4,490	32,751
2037-38	3,376	2,193	3,921	1,231	1,780	2,722	2,444	654	1,237	9,999	4,722	34,279
2038-39	3,562	2,300	4,054	1,237	1,877	2,867	2,593	685	1,298	10,398	4,966	35,837
2039-40	3,749	2,409	4,188	1,244	1,975	3,012	2,739	715	1,359	10,929	5,207	37,526
2040-41	3,932	2,518	4,328	1,251	2,069	3,159	2,880	742	1,419	11,376	5,449	39,123
2041-42	4,101	2,619	4,459	1,257	2,155	3,293	3,011	769	1,476	11,879	5,670	40,689
2042-43	4,254	2,707	4,568	1,262	2,231	3,414	3,132	795	1,527	12,211	5,869	41,970
2043-44	4,388	2,783	4,666	1,267	2,298	3,518	3,242	819	1,572	12,525	6,041	43,119
2044-45	4,502	2,850	4,741	1,271	2,353	3,612	3,342	839	1,612	12,772	6,194	44,088
2045-46	4,601	2,909	4,819	1,274	2,400	3,699	3,435	857	1,647	13,037	6,332	45,010
2046-47	4,681	2,958	4,888	1,277	2,439	3,773	3,516	871	1,678	13,265	6,450	45,796
2047-48	4,749	2,997	4,932	1,278	2,469	3,833	3,586	883	1,704	13,436	6,548	46,415
2048-49	4,795	3,024	4,967	1,280	2,487	3,877	3,638	893	1,723	13,560	6,617	46,861
2049-50	4,826	3,041	4,978	1,280	2,497	3,906	3,675	899	1,735	13,636	6,664	47,137
2050-51	4,843	3,051	4,990	1,280	2,501	3,921	3,700	903	1,742	13,702	6,693	47,326
2051-52	4,852	3,057	4,990	1,280	2,502	3,929	3,718	905	1,746	13,740	6,711	47,430
2052-53	4,857	3,060	4,994	1,280	2,502	3,937	3,732	905	1,749	13,778	6,722	47,516
2053-54	4,860	3,061	4,987	1,280	2,501	3,942	3,742	905	1,751	13,797	6,728	47,554
2054-55	4,861	3,062	4,991	1,280	2,501	3,945	3,749	905	1,752	13,807	6,730	47,583

Note: 10th percentile winter peak demand forecast is representative of a warmer than expected winter peak day.

Note: Expected weather conditions include an increasing temperature trend from the NYISO *Climate Change Impact Study Phase I* report.

Table I-7e: 99th Percentile Forecast of Baseline Summer Coincident Peak Demand due to Weather

Includes Impacts of Energy Saving Programs, Behind-the-Meter Generation, Electrification, & Large Loads

99th Percentile of Summer Coincident Peak Demand due to Weather - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2024	3,074	2,083	2,939	769	1,496	2,551	2,354	666	1,451	11,736	5,671	34,790
2025	3,162	2,207	2,869	772	1,476	2,492	2,365	671	1,456	11,776	5,663	34,909
2026	3,198	2,242	2,912	976	1,430	2,444	2,376	677	1,464	11,809	5,662	35,190
2027	3,178	2,234	2,928	1,177	1,388	2,450	2,393	682	1,475	11,841	5,677	35,423
2028	3,138	2,206	2,958	1,178	1,370	2,439	2,422	690	1,488	11,862	5,693	35,444
2029	3,105	2,187	3,127	1,181	1,365	2,439	2,468	701	1,506	11,873	5,724	35,676
2030	3,085	2,177	3,296	1,181	1,363	2,447	2,507	712	1,523	11,905	5,748	35,944
2031	3,097	2,179	3,412	1,183	1,368	2,461	2,553	724	1,543	11,959	5,798	36,277
2032	3,126	2,191	3,575	1,185	1,379	2,488	2,604	738	1,561	12,056	5,861	36,764
2033	3,168	2,216	3,710	1,188	1,405	2,530	2,673	754	1,585	12,152	5,948	37,329
2034	3,204	2,230	3,768	1,193	1,429	2,564	2,727	771	1,607	12,238	6,020	37,751
2035	3,241	2,239	3,803	1,196	1,444	2,587	2,759	782	1,621	12,346	6,075	38,093
2036	3,280	2,255	3,839	1,199	1,461	2,620	2,801	793	1,637	12,453	6,140	38,478
2037	3,319	2,282	3,890	1,204	1,484	2,663	2,855	805	1,657	12,561	6,213	38,933
2038	3,357	2,314	3,938	1,210	1,510	2,709	2,911	817	1,677	12,668	6,287	39,398
2039	3,393	2,342	3,978	1,213	1,537	2,754	2,965	829	1,696	12,776	6,356	39,839
2040	3,428	2,363	4,014	1,216	1,560	2,792	3,014	839	1,713	12,872	6,413	40,224
2041	3,459	2,380	4,042	1,218	1,584	2,826	3,057	848	1,726	12,948	6,456	40,544
2042	3,488	2,394	4,070	1,221	1,604	2,859	3,098	856	1,737	13,012	6,493	40,832
2043	3,513	2,407	4,093	1,223	1,624	2,890	3,135	862	1,744	13,055	6,518	41,064
2044	3,537	2,419	4,116	1,224	1,646	2,923	3,175	868	1,750	13,077	6,542	41,277
2045	3,556	2,431	4,139	1,225	1,667	2,955	3,210	872	1,752	13,098	6,558	41,463
2046	3,571	2,440	4,155	1,225	1,683	2,984	3,242	876	1,752	13,120	6,570	41,618
2047	3,581	2,446	4,168	1,225	1,694	3,007	3,267	878	1,752	13,141	6,581	41,740
2048	3,590	2,447	4,165	1,225	1,700	3,025	3,288	880	1,753	13,173	6,591	41,837
2049	3,595	2,448	4,174	1,224	1,704	3,040	3,308	882	1,753	13,206	6,602	41,936
2050	3,597	2,446	4,168	1,224	1,700	3,053	3,330	885	1,754	13,248	6,617	42,022
2051	3,597	2,445	4,168	1,223	1,699	3,065	3,350	888	1,755	13,291	6,630	42,111
2052	3,596	2,441	4,158	1,222	1,697	3,073	3,368	890	1,756	13,324	6,641	42,166
2053	3,594	2,440	4,158	1,221	1,698	3,078	3,381	890	1,756	13,356	6,648	42,220
2054	3,592	2,439	4,161	1,221	1,697	3,082	3,386	891	1,756	13,388	6,650	42,263

Note: 99th percentile summer peak demand forecast is representative of an extremely hot and humid (well above expected weather) summer peak day.

Note: Expected weather conditions include an increasing temperature trend from the NYISO *Climate Change Impact Study Phase I* report.

Note: Forecast values assume no demand response reductions.

Table I-7f: 99th Percentile Forecast of Baseline Winter Coincident Peak Demand due to Weather

Includes Impacts of Energy Saving Programs, Behind-the-Meter Generation, Electrification, & Large Loads

99th Percentile of Winter Coincident Peak Demand due to Weather - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2024-25	2,385	1,644	2,729	934	1,393	2,089	1,636	552	951	7,983	3,553	25,849
2025-26	2,479	1,720	2,695	1,110	1,403	2,087	1,655	552	961	8,048	3,583	26,293
2026-27	2,550	1,766	2,810	1,270	1,400	2,097	1,681	556	973	8,135	3,621	26,859
2027-28	2,609	1,789	2,905	1,366	1,416	2,173	1,728	567	993	8,211	3,688	27,445
2028-29	2,654	1,814	3,038	1,367	1,437	2,212	1,781	578	1,013	8,319	3,763	27,976
2029-30	2,714	1,846	3,194	1,372	1,465	2,262	1,846	583	1,037	8,439	3,859	28,617
2030-31	2,796	1,888	3,390	1,372	1,494	2,307	1,911	589	1,057	8,591	3,952	29,347
2031-32	2,899	1,943	3,510	1,373	1,536	2,367	1,990	590	1,084	8,938	4,073	30,303
2032-33	2,992	1,991	3,681	1,376	1,582	2,433	2,074	600	1,115	9,275	4,214	31,333
2033-34	3,130	2,072	3,877	1,380	1,654	2,541	2,194	626	1,164	9,481	4,407	32,526
2034-35	3,290	2,167	4,049	1,386	1,739	2,670	2,333	656	1,222	10,046	4,633	34,191
2035-36	3,475	2,279	4,207	1,393	1,833	2,812	2,481	683	1,284	10,502	4,880	35,829
2036-37	3,664	2,393	4,352	1,401	1,932	2,960	2,634	714	1,348	10,926	5,136	37,460
2037-38	3,861	2,508	4,484	1,408	2,036	3,114	2,796	748	1,415	11,436	5,401	39,207
2038-39	4,074	2,630	4,636	1,415	2,147	3,279	2,966	783	1,485	11,892	5,680	40,987
2039-40	4,288	2,755	4,790	1,423	2,259	3,445	3,133	818	1,554	12,501	5,956	42,922
2040-41	4,497	2,880	4,950	1,430	2,367	3,613	3,294	848	1,623	13,011	6,232	44,745
2041-42	4,691	2,995	5,100	1,438	2,464	3,766	3,444	880	1,688	13,587	6,485	46,538
2042-43	4,866	3,096	5,225	1,443	2,552	3,904	3,582	909	1,746	13,967	6,713	48,003
2043-44	5,019	3,183	5,337	1,449	2,628	4,024	3,708	937	1,799	14,325	6,910	49,319
2044-45	5,149	3,259	5,423	1,453	2,691	4,131	3,823	960	1,844	14,608	7,084	50,425
2045-46	5,262	3,327	5,512	1,458	2,746	4,230	3,928	980	1,884	14,912	7,242	51,481
2046-47	5,354	3,383	5,591	1,461	2,790	4,315	4,022	996	1,919	15,172	7,378	52,381
2047-48	5,431	3,428	5,641	1,462	2,824	4,384	4,101	1,010	1,948	15,368	7,490	53,087
2048-49	5,485	3,459	5,681	1,464	2,844	4,434	4,161	1,021	1,970	15,509	7,569	53,597
2049-50	5,519	3,479	5,693	1,464	2,856	4,467	4,203	1,029	1,984	15,596	7,622	53,912
2050-51	5,539	3,490	5,707	1,464	2,861	4,484	4,232	1,033	1,993	15,672	7,655	54,130
2051-52	5,550	3,496	5,707	1,464	2,862	4,494	4,252	1,035	1,997	15,715	7,676	54,248
2052-53	5,555	3,500	5,712	1,464	2,862	4,503	4,268	1,035	2,001	15,759	7,688	54,347
2053-54	5,559	3,501	5,704	1,464	2,861	4,508	4,280	1,035	2,003	15,781	7,695	54,391
2054-55	5,560	3,503	5,708	1,464	2,861	4,513	4,288	1,035	2,004	15,791	7,697	54,424

Note: 99th percentile winter peak demand forecast is representative of an extremely cold (well below expected weather) winter peak day.

Note: Expected weather conditions include an increasing temperature trend from the NYISO *Climate Change Impact Study Phase I* report.

Table I-8a: Energy Efficiency and Codes & Standards Energy Impacts

Reflects Cumulative Impacts

Estimated Historical Cumulative Reductions in Annual Energy by Zone - GWh

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2004	228	114	224	21	105	168	46	29	42	371	21	1,369
2005	320	163	316	29	148	237	68	42	63	555	36	1,977
2006	451	236	447	41	210	334	100	61	92	804	57	2,833
2007	540	287	537	49	253	401	131	76	118	1,039	81	3,512
2008	588	347	587	53	275	441	153	82	130	1,125	255	4,036
2009	703	423	698	63	331	535	228	99	157	1,371	429	5,037
2010	873	507	838	75	411	672	297	120	207	1,840	639	6,479
2011	1,124	651	1,049	94	525	865	439	152	273	2,433	880	8,485
2012	1,279	758	1,192	107	602	988	534	172	311	2,768	1,173	9,884
2013	1,442	886	1,353	121	687	1,125	643	197	356	3,206	1,513	11,529
2014	1,641	1,031	1,542	137	787	1,284	771	225	412	3,687	1,852	13,369
2015	1,859	1,170	1,742	154	896	1,471	897	252	459	4,105	2,228	15,233
2016	2,052	1,260	1,898	168	989	1,643	1,055	271	504	4,508	2,647	16,995
2017	2,279	1,397	2,097	186	1,102	1,839	1,258	302	580	5,195	2,986	19,221
2018	2,500	1,517	2,290	203	1,212	2,030	1,467	333	658	5,901	3,377	21,488
2019	2,745	1,650	2,501	222	1,333	2,244	1,711	369	760	6,814	3,803	24,152
2020	2,987	1,778	2,709	241	1,452	2,455	1,934	404	855	7,664	4,264	26,743
2021	3,259	1,894	2,929	263	1,583	2,697	2,146	436	944	8,455	4,609	29,215
2022	3,502	2,032	3,147	282	1,704	2,906	2,371	470	1,024	9,169	4,934	31,541
2023	3,689	2,223	3,346	299	1,803	3,054	2,543	504	1,084	9,707	5,306	33,558

Forecast of Cumulative Reductions in Annual Energy by Zone Relative to 2023 - GWh

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2024	175	121	187	22	92	138	156	45	92	1,027	367	2,422
2025	378	262	416	48	202	294	344	96	179	1,999	755	4,973
2026	577	400	641	73	310	447	528	143	250	2,790	1,129	7,288
2027	772	538	864	98	416	597	711	191	320	3,576	1,505	9,588
2028	964	675	1,086	123	520	742	893	238	387	4,324	1,880	11,832
2029	1,156	809	1,303	149	623	889	1,082	283	455	5,067	2,257	14,073
2030	1,344	937	1,510	176	721	1,034	1,276	326	527	5,836	2,632	16,319
2031	1,526	1,059	1,707	203	815	1,177	1,471	367	601	6,626	2,999	18,551
2032	1,702	1,172	1,891	231	903	1,316	1,668	406	679	7,436	3,356	20,760
2033	1,871	1,275	2,061	258	986	1,453	1,864	440	756	8,235	3,697	22,896
2034	2,026	1,370	2,218	283	1,062	1,580	2,050	473	829	8,984	4,016	24,891
2035	2,168	1,457	2,361	305	1,132	1,697	2,227	503	897	9,688	4,312	26,747
2036	2,297	1,536	2,492	325	1,196	1,804	2,395	531	960	10,340	4,588	28,464
2037	2,415	1,610	2,612	342	1,256	1,903	2,554	557	1,019	10,949	4,846	30,063
2038	2,528	1,680	2,727	359	1,312	1,998	2,709	582	1,077	11,547	5,097	31,616
2039	2,634	1,747	2,836	374	1,366	2,088	2,861	606	1,134	12,135	5,344	33,125
2040	2,737	1,812	2,942	389	1,417	2,176	3,011	630	1,190	12,721	5,589	34,614
2041	2,836	1,875	3,043	403	1,467	2,260	3,149	653	1,246	13,301	5,832	36,065
2042	2,932	1,937	3,142	416	1,515	2,342	3,276	676	1,301	13,878	6,073	37,488
2043	3,020	1,994	3,233	428	1,560	2,418	3,390	697	1,353	14,423	6,306	38,822
2044	3,102	2,048	3,318	438	1,601	2,489	3,488	717	1,402	14,941	6,531	40,075
2045	3,180	2,099	3,399	448	1,641	2,557	3,573	737	1,450	15,439	6,752	41,275
2046	3,255	2,150	3,478	456	1,680	2,622	3,656	756	1,496	15,931	6,974	42,454
2047	3,326	2,198	3,552	464	1,716	2,684	3,736	774	1,541	16,407	7,195	43,593
2048	3,394	2,246	3,625	471	1,751	2,744	3,814	792	1,585	16,874	7,417	44,713
2049	3,461	2,293	3,696	479	1,785	2,803	3,891	809	1,628	17,335	7,641	45,821
2050	3,526	2,339	3,765	486	1,819	2,860	3,965	826	1,671	17,787	7,865	46,909
2051	3,588	2,384	3,831	492	1,850	2,914	4,036	843	1,712	18,224	8,087	47,961
2052	3,648	2,428	3,896	498	1,881	2,967	4,107	859	1,752	18,651	8,308	48,995
2053	3,709	2,474	3,962	504	1,913	3,021	4,177	875	1,793	19,082	8,530	50,040
2054	3,766	2,517	4,023	510	1,942	3,071	4,248	891	1,831	19,487	8,747	51,033

Table I-8b: Energy Efficiency and Codes & Standards Summer Peak Impacts

Reflects Cumulative Impacts

Reductions in Summer Coincident Peak Demand by Zone Relative to 2023 - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2024	29	23	33	4	16	22	26	8	13	153	79	406
2025	62	50	74	9	34	46	58	18	29	320	164	864
2026	95	77	115	14	53	70	89	27	42	473	245	1,300
2027	128	103	155	18	71	95	120	37	59	658	329	1,773
2028	161	131	196	23	89	118	152	47	75	837	412	2,241
2029	193	157	236	29	108	142	185	56	91	1,013	496	2,706
2030	225	182	274	34	124	165	219	65	106	1,171	581	3,146
2031	255	207	310	39	141	188	253	74	122	1,340	664	3,593
2032	286	229	344	44	156	211	288	82	139	1,517	745	4,041
2033	315	249	375	49	171	233	322	89	155	1,682	824	4,464
2034	341	269	404	54	185	254	355	95	170	1,838	897	4,862
2035	365	286	430	59	197	273	386	102	183	1,983	964	5,228
2036	387	303	454	63	208	290	417	107	197	2,117	1,027	5,570
2037	407	318	476	66	219	306	444	112	209	2,244	1,087	5,888
2038	426	332	497	69	228	321	471	117	221	2,366	1,144	6,192
2039	443	345	516	71	237	336	500	122	232	2,488	1,201	6,491
2040	461	357	535	74	246	350	526	126	242	2,585	1,254	6,756
2041	477	369	553	77	254	363	551	130	252	2,693	1,307	7,026
2042	492	381	569	78	261	375	572	134	261	2,787	1,359	7,269
2043	505	392	584	82	269	387	591	138	271	2,886	1,408	7,513
2044	517	402	597	83	275	397	607	142	278	2,965	1,455	7,718
2045	529	410	610	84	281	407	620	145	286	3,047	1,498	7,917
2046	540	419	621	86	287	415	633	148	294	3,127	1,541	8,111
2047	549	427	633	86	292	423	646	151	300	3,196	1,583	8,286
2048	558	434	643	87	297	432	658	153	306	3,258	1,624	8,450
2049	567	441	653	87	301	439	671	156	312	3,329	1,664	8,620
2050	575	448	662	88	306	447	680	159	318	3,391	1,702	8,776
2051	582	455	670	89	309	453	690	160	324	3,452	1,741	8,925
2052	589	461	678	90	313	459	701	162	329	3,503	1,779	9,064
2053	596	467	686	91	316	465	711	165	335	3,563	1,817	9,212
2054	602	473	692	91	319	470	721	168	340	3,618	1,854	9,348

Table I-8c: Energy Efficiency and Codes & Standards Winter Peak Impacts

Reflects Cumulative Impacts

Reductions in Winter Coincident Peak Demand by Zone Relative to 2023-24 - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2024-25	24	19	29	3	13	18	19	7	13	150	54	349
2025-26	53	42	64	7	30	39	43	15	26	292	111	722
2026-27	82	63	100	12	45	60	65	24	37	410	167	1,065
2027-28	110	87	135	16	61	81	89	32	48	531	224	1,414
2028-29	139	109	171	20	78	101	113	40	58	649	281	1,759
2029-30	168	130	207	24	94	122	138	48	70	771	340	2,112
2030-31	197	153	242	29	110	143	163	55	81	899	398	2,470
2031-32	226	174	277	32	125	165	191	63	94	1,036	457	2,840
2032-33	255	193	310	37	140	187	219	70	108	1,186	516	3,221
2033-34	283	211	341	43	155	209	245	77	123	1,340	575	3,602
2034-35	311	228	371	48	168	230	272	84	138	1,493	631	3,974
2035-36	337	245	399	52	182	251	300	91	152	1,643	686	4,338
2036-37	361	261	427	57	194	271	326	98	166	1,792	740	4,693
2037-38	386	277	453	60	207	290	351	104	181	1,949	793	5,051
2038-39	410	292	480	65	219	309	378	111	197	2,107	848	5,416
2039-40	435	308	506	69	233	329	403	116	212	2,269	902	5,782
2040-41	459	324	533	74	245	348	429	123	227	2,429	958	6,149
2041-42	482	338	557	76	257	367	453	129	243	2,593	1,013	6,508
2042-43	505	354	583	79	268	387	477	135	259	2,754	1,070	6,871
2043-44	528	369	607	84	281	406	501	142	273	2,912	1,124	7,227
2044-45	552	386	632	87	293	426	524	147	286	3,059	1,177	7,569
2045-46	576	401	657	91	305	446	545	153	301	3,202	1,230	7,907
2046-47	601	419	683	95	317	466	570	159	314	3,343	1,282	8,249
2047-48	626	437	710	97	331	487	593	165	326	3,479	1,336	8,587
2048-49	651	454	736	101	343	509	619	171	339	3,608	1,388	8,919
2049-50	677	473	764	105	357	532	643	177	351	3,730	1,442	9,251
2050-51	704	493	791	109	371	555	667	182	361	3,841	1,491	9,565
2051-52	731	512	819	112	384	577	692	187	370	3,945	1,542	9,871
2052-53	757	530	845	116	397	600	720	193	380	4,042	1,591	10,171
2053-54	784	549	873	120	410	623	749	198	390	4,143	1,641	10,480
2054-55	810	567	901	123	423	646	780	204	399	4,238	1,690	10,781

Table I-9a: Solar PV Nameplate Capacity, Behind-the-Meter

Reflects Total Cumulative Nameplate Capacity

Nameplate Capacity by Zone - MW DC

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2014	19	13	26	2	14	65	49	7	15	47	126	383
2015	27	25	46	3	26	100	89	15	24	73	225	653
2016	34	37	73	4	38	151	128	24	33	109	333	964
2017	53	63	101	4	61	219	151	29	40	147	413	1,281
2018	65	97	134	10	90	298	189	36	47	194	478	1,638
2019	94	126	199	25	126	342	276	44	54	240	632	2,158
2020	139	159	289	28	187	436	361	52	63	285	696	2,695
2021	183	258	464	38	266	495	469	72	75	349	774	3,443
2022	226	404	602	45	418	537	573	83	107	423	872	4,290
2023	313	487	752	60	532	655	647	95	128	508	995	5,172
2024	375	584	906	73	643	744	761	109	149	586	1,124	6,054
2025	433	676	1,052	85	747	827	869	123	168	660	1,246	6,886
2026	489	763	1,190	96	846	907	971	137	186	731	1,362	7,678
2027	539	843	1,317	106	936	980	1,065	149	203	795	1,467	8,400
2028	584	913	1,428	115	1,016	1,044	1,147	160	218	852	1,560	9,037
2029	622	972	1,522	123	1,083	1,098	1,217	169	230	899	1,639	9,574
2030	653	1,021	1,599	129	1,138	1,143	1,274	176	240	939	1,703	10,015
2031	676	1,058	1,658	134	1,180	1,179	1,324	183	249	972	1,758	10,371
2032	693	1,085	1,701	137	1,211	1,208	1,367	188	257	999	1,804	10,650
2033	706	1,104	1,732	140	1,233	1,230	1,403	193	263	1,022	1,842	10,868
2034	715	1,118	1,754	142	1,249	1,247	1,432	197	269	1,040	1,872	11,035
2035	725	1,134	1,779	144	1,267	1,269	1,471	202	275	1,063	1,911	11,240
2036	733	1,147	1,799	146	1,281	1,287	1,506	206	282	1,083	1,945	11,415
2037	739	1,157	1,815	147	1,293	1,305	1,541	211	288	1,103	1,978	11,577
2038	745	1,165	1,829	149	1,302	1,320	1,573	215	294	1,121	2,010	11,723
2039	749	1,172	1,839	150	1,310	1,334	1,605	219	299	1,138	2,040	11,855
2040	752	1,177	1,848	151	1,316	1,348	1,635	223	305	1,155	2,068	11,978
2041	755	1,182	1,855	152	1,321	1,360	1,664	227	310	1,171	2,095	12,092
2042	757	1,185	1,860	153	1,324	1,371	1,692	231	315	1,185	2,120	12,193
2043	759	1,187	1,863	154	1,327	1,381	1,718	234	320	1,199	2,144	12,286
2044	761	1,189	1,866	155	1,329	1,391	1,743	237	324	1,212	2,166	12,373
2045	762	1,190	1,867	156	1,330	1,399	1,766	240	328	1,224	2,187	12,449
2046	764	1,192	1,869	156	1,332	1,407	1,787	243	332	1,234	2,206	12,522
2047	765	1,193	1,870	157	1,333	1,413	1,807	246	335	1,244	2,223	12,586
2048	766	1,194	1,871	158	1,334	1,420	1,825	248	339	1,253	2,239	12,647
2049	767	1,195	1,872	158	1,335	1,425	1,842	250	342	1,262	2,254	12,702
2050	768	1,196	1,873	158	1,336	1,430	1,857	252	344	1,269	2,267	12,750
2051	768	1,196	1,873	159	1,336	1,434	1,871	254	347	1,276	2,279	12,793
2052	769	1,197	1,874	159	1,337	1,438	1,884	256	349	1,283	2,291	12,837
2053	770	1,198	1,875	160	1,338	1,442	1,896	257	351	1,289	2,301	12,877
2054	770	1,198	1,875	160	1,338	1,445	1,907	259	353	1,294	2,310	12,909

Note: Historical values reflect information from New York State's *"Solar Electric Programs Reported by NYSERDA"* database, and from Standardized Interconnection Requiriements (SIR) Inventory Information submitted by Transmission Owners.

Note: Nameplate values reflect aggregate MW DC rating of installed panels.

Table I-9b: Solar PV Annual Energy Reductions, Behind-the-Meter

Reflects Total Cumulative Impacts

Reductions in Annual Energy by Zone - GWh

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2024	378	616	871	71	652	767	803	116	162	618	1,231	6,285
2025	457	748	1,078	92	795	882	944	133	186	705	1,382	7,402
2026	533	870	1,276	107	933	994	1,077	147	207	790	1,525	8,459
2027	603	987	1,457	123	1,061	1,095	1,202	163	228	870	1,659	9,448
2028	664	1,088	1,620	138	1,174	1,188	1,312	178	245	941	1,781	10,329
2029	720	1,176	1,757	149	1,273	1,267	1,408	190	263	1,001	1,885	11,089
2030	764	1,250	1,875	156	1,357	1,332	1,487	200	280	1,051	1,971	11,723
2031	801	1,310	1,968	165	1,421	1,383	1,556	206	289	1,094	2,045	12,238
2032	827	1,353	2,039	171	1,470	1,430	1,614	212	299	1,130	2,107	12,652
2033	847	1,388	2,092	176	1,508	1,464	1,666	220	308	1,162	2,159	12,990
2034	863	1,414	2,134	181	1,535	1,492	1,706	225	317	1,184	2,201	13,252
2035	876	1,436	2,170	183	1,560	1,521	1,751	228	322	1,207	2,243	13,497
2036	889	1,456	2,205	185	1,586	1,549	1,796	237	329	1,230	2,288	13,750
2037	899	1,474	2,233	189	1,604	1,573	1,840	240	338	1,255	2,329	13,974
2038	910	1,488	2,260	190	1,619	1,597	1,883	246	345	1,279	2,368	14,185
2039	918	1,503	2,281	192	1,636	1,619	1,924	251	353	1,301	2,406	14,384
2040	923	1,514	2,300	194	1,647	1,638	1,962	257	360	1,319	2,441	14,555
2041	928	1,522	2,316	198	1,657	1,660	2,003	259	365	1,338	2,476	14,722
2042	932	1,529	2,329	200	1,662	1,678	2,040	265	372	1,356	2,507	14,870
2043	936	1,535	2,339	200	1,672	1,692	2,072	268	378	1,373	2,540	15,005
2044	940	1,539	2,347	201	1,678	1,708	2,104	273	384	1,390	2,566	15,130
2045	944	1,544	2,353	203	1,682	1,722	2,136	278	388	1,402	2,593	15,245
2046	948	1,548	2,362	203	1,686	1,733	2,165	279	393	1,417	2,618	15,352
2047	948	1,553	2,367	205	1,689	1,746	2,189	281	397	1,430	2,639	15,444
2048	953	1,556	2,373	207	1,692	1,755	2,216	286	402	1,443	2,661	15,544
2049	955	1,560	2,379	207	1,697	1,766	2,240	288	406	1,451	2,679	15,628
2050	955	1,560	2,383	209	1,699	1,773	2,260	291	410	1,460	2,696	15,696
2051	956	1,563	2,389	210	1,703	1,782	2,279	294	412	1,469	2,712	15,769
2052	961	1,565	2,392	211	1,705	1,791	2,297	296	417	1,477	2,728	15,840
2053	964	1,567	2,396	213	1,708	1,795	2,314	298	419	1,486	2,745	15,905
2054	965	1,570	2,400	213	1,709	1,801	2,329	299	419	1,491	2,754	15,950

Table I-9c: Solar PV Peak Reductions, Behind-the-Meter

Reflects Total Cumulative Impacts

Reductions in Summer Coincident Peak Demand by Zone - MW AC

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2024	111	171	211	16	170	173	175	27	37	146	268	1,505
2025	112	173	213	16	171	170	175	27	37	145	264	1,503
2026	112	174	213	16	172	168	174	27	36	144	260	1,496
2027	112	174	213	16	171	165	172	26	36	142	255	1,482
2028	113	176	213	17	172	159	170	26	36	140	247	1,469
2029	112	175	211	17	170	153	166	25	35	137	238	1,439
2030	109	172	207	16	166	146	160	25	34	132	227	1,394
2031	106	167	201	16	161	138	154	24	32	127	216	1,342
2032	102	161	194	15	154	130	147	23	31	121	204	1,282
2033	98	155	186	15	147	122	140	22	30	116	193	1,224
2034	93	149	179	14	141	115	134	21	29	111	182	1,168
2035	89	143	171	13	133	107	127	20	27	106	172	1,108
2036	84	135	162	13	125	99	120	19	26	99	160	1,042
2037	80	129	154	12	119	92	114	18	25	95	150	988
2038	76	123	147	12	112	86	108	17	24	90	142	937
2039	71	116	138	11	105	79	102	16	22	85	132	877
2040	66	108	128	10	97	73	94	15	21	78	121	811
2041	61	99	118	10	89	66	87	14	19	72	110	745
2042	56	90	108	9	81	60	79	13	18	65	100	679
2043	51	83	100	8	75	54	73	12	16	60	91	623
2044	46	74	90	7	68	49	65	11	15	54	81	560
2045	42	67	82	7	61	43	58	10	13	48	71	502
2046	38	60	74	6	55	39	52	9	12	42	63	450
2047	34	54	67	6	50	34	46	8	11	38	55	403
2048	31	49	61	5	45	31	42	7	10	34	49	364
2049	29	45	56	5	42	28	38	6	9	30	43	331
2050	27	41	52	5	39	25	34	6	8	28	39	304
2051	25	38	49	4	36	23	31	5	7	25	35	278
2052	24	36	47	4	35	22	30	5	7	24	33	267
2053	23	35	46	4	33	21	28	5	7	23	31	256
2054	23	35	45	4	33	21	28	5	7	22	30	253

Note: The actual impact of solar PV varies considerably by hour of day. The hour of the NYCA coincident peak varies annually. Currently, the NYCA summer peak typically occurs in late afternoon. The NYCA summer peak will likely shift into the evening as additional BTM PV is added to the system, and as electric vehicle charging impacts increase during the evening hours.

Note: The winter coincident peak behind-the-meter solar PV impact is zero because the system typically peaks after sunset.

Table I-9d: Maximum Solar PV Generation, Behind-the-Meter

Reflects Total Cumulative Impacts

Maximum Hourly NYCA BTM Solar PV Generation - MW AC

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2024	238	362	535	47	381	455	490	75	101	380	734	3,798
2025	281	427	635	56	454	511	569	86	116	435	823	4,393
2026	322	490	730	64	522	564	643	96	131	487	906	4,955
2027	360	549	819	72	586	614	713	105	144	535	985	5,482
2028	394	602	899	79	644	659	776	114	156	579	1,057	5,959
2029	424	648	969	85	695	698	830	121	166	617	1,119	6,372
2030	449	687	1,028	90	737	731	877	128	175	649	1,171	6,722
2031	469	718	1,076	95	772	758	915	133	182	676	1,214	7,008
2032	485	741	1,111	98	797	780	949	138	189	699	1,251	7,238
2033	496	759	1,138	100	816	798	978	142	194	717	1,281	7,419
2034	504	771	1,157	102	830	812	1,002	145	199	732	1,306	7,560
2035	511	781	1,172	103	841	824	1,025	148	203	746	1,329	7,683
2036	517	792	1,187	104	852	837	1,052	152	208	762	1,356	7,819
2037	523	800	1,200	106	861	849	1,077	155	213	776	1,380	7,940
2038	527	807	1,210	107	868	860	1,101	159	217	790	1,403	8,049
2039	531	812	1,218	108	874	870	1,124	162	222	803	1,425	8,149
2040	533	816	1,225	109	879	879	1,146	165	226	815	1,445	8,238
2041	536	820	1,230	110	883	887	1,167	168	230	826	1,465	8,322
2042	537	823	1,234	110	886	895	1,187	170	234	837	1,484	8,397
2043	539	824	1,237	111	888	902	1,206	173	237	847	1,501	8,465
2044	540	826	1,239	112	889	908	1,225	176	241	857	1,518	8,531
2045	541	827	1,240	112	890	914	1,242	178	244	866	1,533	8,587
2046	542	828	1,241	113	891	920	1,258	180	247	874	1,547	8,641
2047	543	829	1,242	113	892	924	1,272	182	250	881	1,560	8,688
2048	544	829	1,243	114	893	928	1,286	184	252	888	1,572	8,733
2049	544	830	1,243	114	893	932	1,299	186	255	895	1,582	8,773
2050	545	831	1,244	114	894	936	1,310	187	257	900	1,593	8,811
2051	545	831	1,244	115	895	939	1,321	189	259	905	1,602	8,845
2052	546	832	1,245	115	895	941	1,330	190	261	910	1,610	8,875
2053	546	832	1,245	115	895	944	1,340	191	262	915	1,618	8,903
2054	547	832	1,245	115	896	946	1,348	192	264	919	1,625	8,929

Note: These values represent the hour with maximum BTM solar generation across the NYCA.

Table I-10a: Non-Solar Distributed Generation Nameplate Capacity, Behind-the-Meter

Reflects Total Cumulative Nameplate Capacity

Namplate Capacity by Zone - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2014	16	3	42	1	8	11	4	1	5	73	7	171
2015	17	4	43	1	9	12	4	1	5	75	8	179
2016	17	4	45	1	11	14	5	2	6	79	12	196
2017	17	4	46	1	12	23	7	2	6	84	13	215
2018	17	5	48	1	13	32	7	2	6	102	15	248
2019	17	7	48	1	13	33	7	2	6	131	18	283
2020	17	7	49	2	13	34	7	2	10	148	31	320
2021	17	8	49	2	17	36	8	2	10	159	42	350
2022	17	8	49	2	27	36	8	2	10	172	42	373
2023	17	8	49	2	27	36	8	2	12	176	52	389
2024	27	8	59	2	33	40	10	2	13	185	57	436
2025	31	8	60	2	33	41	10	2	14	189	57	447
2026	31	8	61	2	33	42	10	2	15	193	57	454
2027	31	8	62	2	33	43	10	2	16	197	57	461
2028	31	8	63	2	33	44	10	2	17	201	57	468
2029	31	8	64	2	33	45	10	2	18	204	57	474
2030	31	8	65	2	33	46	10	2	19	207	57	480
2031	31	8	66	2	33	47	10	2	20	210	57	486
2032	31	8	67	2	33	48	10	2	21	213	57	492
2033	31	8	68	2	33	49	10	2	22	216	57	498
2034	31	8	68	2	33	50	10	2	23	219	57	503
2035	31	8	68	2	33	51	10	2	24	222	57	508
2036	31	8	68	2	33	52	10	2	25	225	57	513
2037	31	8	68	2	33	53	10	2	26	228	57	518
2038	31	8	68	2	33	54	10	2	27	231	57	523
2039	31	8	68	2	33	55	10	2	28	234	57	528
2040	31	8	68	2	33	56	10	2	29	236	57	532
2041	31	8	68	2	33	57	10	2	30	238	57	536
2042	31	8	68	2	33	58	10	2	31	240	57	540
2043	31	8	68	2	33	59	10	2	32	242	57	544
2044	31	8	68	2	33	60	10	2	33	244	57	548
2045	31	8	68	2	33	60	10	2	34	246	57	551
2046	31	8	68	2	33	60	10	2	35	248	57	554
2047	31	8	68	2	33	60	10	2	36	250	57	557
2048	31	8	68	2	33	60	10	2	37	252	57	560
2049	31	8	68	2	33	60	10	2	38	254	57	563
2050	31	8	68	2	33	60	10	2	39	256	57	566
2051	31	8	68	2	33	60	10	2	40	258	57	569
2052	31	8	68	2	33	60	10	2	41	260	57	572
2053	31	8	68	2	33	60	10	2	42	262	57	575
2054	31	8	68	2	33	60	10	2	43	264	57	578

Note: Historical values reflect information from NYSERDA's *"DER Integrated Data System"* and from Transmission Owners.

Note: Resources include combined heat and power, anaerobic digesters, fuel cell facilities, small wind resources, and others.

Table I-10b: Non-Solar Distributed Generation Annual Energy Reductions, Behind-the-Meter

Reflects Total Cumulative Impacts

Reductions in Annual Energy by Zone - GWh

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2024	156	46	341	12	191	231	58	12	75	681	210	2,013
2025	179	46	347	12	191	237	58	12	81	695	210	2,068
2026	179	46	353	12	191	243	58	12	87	710	210	2,101
2027	179	46	358	12	191	249	58	12	93	725	210	2,133
2028	179	46	364	12	191	254	58	12	98	740	210	2,164
2029	179	46	370	12	191	260	58	12	104	751	210	2,193
2030	179	46	376	12	191	266	58	12	110	762	210	2,222
2031	179	46	382	12	191	272	58	12	116	773	210	2,251
2032	179	46	387	12	191	278	58	12	121	784	210	2,278
2033	179	46	393	12	191	283	58	12	127	795	210	2,306
2034	179	46	393	12	191	289	58	12	133	806	210	2,329
2035	179	46	393	12	191	295	58	12	139	817	210	2,352
2036	179	46	393	12	191	301	58	12	145	828	210	2,375
2037	179	46	393	12	191	306	58	12	150	839	210	2,396
2038	179	46	393	12	191	312	58	12	156	850	210	2,419
2039	179	46	393	12	191	318	58	12	162	861	210	2,442
2040	179	46	393	12	191	324	58	12	168	868	210	2,461
2041	179	46	393	12	191	330	58	12	173	876	210	2,480
2042	179	46	393	12	191	335	58	12	179	883	210	2,498
2043	179	46	393	12	191	341	58	12	185	890	210	2,517
2044	179	46	393	12	191	347	58	12	191	898	210	2,537
2045	179	46	393	12	191	347	58	12	197	905	210	2,550
2046	179	46	393	12	191	347	58	12	202	912	210	2,562
2047	179	46	393	12	191	347	58	12	208	920	210	2,576
2048	179	46	393	12	191	347	58	12	214	927	210	2,589
2049	179	46	393	12	191	347	58	12	220	935	210	2,603
2050	179	46	393	12	191	347	58	12	225	942	210	2,615
2051	179	46	393	12	191	347	58	12	231	949	210	2,628
2052	179	46	393	12	191	347	58	12	237	957	210	2,642
2053	179	46	393	12	191	347	58	12	243	964	210	2,655
2054	179	46	393	12	191	347	58	12	249	971	210	2,668

Table I-10c: Non-Solar Distributed Generation Peak Reductions, Behind-the-Meter

Reflects Total Cumulative Impacts

Reductions in Summer and Winter Coincident Peak Demand by Zone - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2024	23	7	51	2	29	35	9	2	11	139	43	351
2025	27	7	52	2	29	36	9	2	12	142	43	361
2026	27	7	53	2	29	37	9	2	13	145	43	367
2027	27	7	54	2	29	37	9	2	14	148	43	372
2028	27	7	55	2	29	38	9	2	15	151	43	378
2029	27	7	56	2	29	39	9	2	16	153	43	383
2030	27	7	57	2	29	40	9	2	17	155	43	388
2031	27	7	57	2	29	41	9	2	17	158	43	392
2032	27	7	58	2	29	42	9	2	18	160	43	397
2033	27	7	59	2	29	43	9	2	19	162	43	402
2034	27	7	59	2	29	44	9	2	20	164	43	406
2035	27	7	59	2	29	44	9	2	21	167	43	410
2036	27	7	59	2	29	45	9	2	22	169	43	414
2037	27	7	59	2	29	46	9	2	23	171	43	418
2038	27	7	59	2	29	47	9	2	23	173	43	421
2039	27	7	59	2	29	48	9	2	24	176	43	426
2040	27	7	59	2	29	49	9	2	25	177	43	429
2041	27	7	59	2	29	50	9	2	26	179	43	433
2042	27	7	59	2	29	50	9	2	27	180	43	435
2043	27	7	59	2	29	51	9	2	28	182	43	439
2044	27	7	59	2	29	52	9	2	29	183	43	442
2045	27	7	59	2	29	52	9	2	30	185	43	445
2046	27	7	59	2	29	52	9	2	30	186	43	446
2047	27	7	59	2	29	52	9	2	31	188	43	449
2048	27	7	59	2	29	52	9	2	32	189	43	451
2049	27	7	59	2	29	52	9	2	33	191	43	454
2050	27	7	59	2	29	52	9	2	34	192	43	456
2051	27	7	59	2	29	52	9	2	35	194	43	459
2052	27	7	59	2	29	52	9	2	36	195	43	461
2053	27	7	59	2	29	52	9	2	37	197	43	464
2054	27	7	59	2	29	52	9	2	37	198	43	465

Note: Peak reductions reflect estimated summer reductions for the year listed, along with reductions for the following winter. For example, the values listed for 2023 reflect reductions to the 2023 summer peak and the 2023-24 winter peak.

Table I-11a: Electric Vehicle Stock Forecast

Reflects Total New York State Stock

Number of Electric Vehicles by Type - NYCA

Year	LDV (1)	MHDV (2)	Buses (3)	Total Stock
2024	268,000	2,000	3,000	273,000
2025	390,000	4,000	5,000	399,000
2026	549,000	7,000	9,000	565,000
2027	749,000	11,000	14,000	774,000
2028	989,000	15,000	19,000	1,023,000
2029	1,271,000	21,000	24,000	1,316,000
2030	1,591,000	27,000	29,000	1,647,000
2031	1,951,000	34,000	34,000	2,019,000
2032	2,354,000	42,000	39,000	2,435,000
2033	2,805,000	50,000	43,000	2,898,000
2034	3,304,000	60,000	46,000	3,410,000
2035	3,853,000	70,000	48,000	3,971,000
2036	4,390,000	80,000	51,000	4,521,000
2037	4,910,000	91,000	52,000	5,053,000
2038	5,403,000	103,000	52,000	5,558,000
2039	5,866,000	115,000	53,000	6,034,000
2040	6,294,000	128,000	53,000	6,475,000
2041	6,682,000	140,000	53,000	6,875,000
2042	7,028,000	153,000	54,000	7,235,000
2043	7,332,000	166,000	54,000	7,552,000
2044	7,593,000	179,000	54,000	7,826,000
2045	7,811,000	192,000	54,000	8,057,000
2046	7,986,000	205,000	54,000	8,245,000
2047	8,119,000	216,000	54,000	8,389,000
2048	8,210,000	226,000	54,000	8,490,000
2049	8,262,000	235,000	54,000	8,551,000
2050	8,277,000	242,000	54,000	8,573,000
2051	8,262,000	248,000	54,000	8,564,000
2052	8,222,000	254,000	54,000	8,530,000
2053	8,167,000	257,000	54,000	8,478,000
2054	8,112,000	260,000	54,000	8,426,000

(1) - Light Duty Vehicles, at most 8,500 lb.

(2) - Medium and Heavy Duty Vehicles, greater than 8,500 lb.

(3) - Includes school and transit buses.

Note: For reference, in 2023 there were approximately 9.8 million LDVs, 515,000 MHDVs, and 60,000 buses registered in the state, per these classifications.

Table I-11b: Electric Vehicle Annual Energy Usage

Reflects Total Cumulative Impacts

Total Annual Energy Usage by Zone - GWh

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2024	72	79	91	10	43	99	106	42	67	255	260	1,124
2025	120	118	145	15	74	154	166	56	94	333	377	1,652
2026	192	170	220	22	120	229	250	76	129	437	529	2,374
2027	294	239	322	31	187	333	369	99	173	566	732	3,345
2028	422	319	445	41	269	457	515	125	226	714	968	4,501
2029	574	412	589	53	368	602	688	154	285	882	1,239	5,846
2030	750	518	754	67	482	770	888	187	352	1,078	1,548	7,394
2031	943	637	938	82	608	957	1,110	225	427	1,300	1,887	9,114
2032	1,150	768	1,142	101	745	1,161	1,353	267	509	1,556	2,259	11,011
2033	1,383	915	1,368	122	898	1,391	1,625	314	600	1,840	2,670	13,126
2034	1,640	1,076	1,619	144	1,067	1,644	1,928	364	699	2,155	3,123	15,459
2035	1,921	1,252	1,893	169	1,252	1,924	2,263	418	808	2,499	3,615	18,014
2036	2,199	1,425	2,164	194	1,435	2,201	2,598	473	915	2,839	4,100	20,543
2037	2,472	1,595	2,430	218	1,615	2,474	2,928	526	1,021	3,173	4,573	23,025
2038	2,734	1,758	2,687	241	1,787	2,739	3,251	577	1,122	3,496	5,029	25,421
2039	2,984	1,913	2,931	262	1,952	2,994	3,562	625	1,219	3,804	5,460	27,706
2040	3,220	2,058	3,161	284	2,108	3,236	3,860	670	1,310	4,097	5,865	29,869
2041	3,438	2,193	3,376	302	2,252	3,463	4,140	711	1,395	4,369	6,239	31,878
2042	3,640	2,316	3,572	319	2,384	3,673	4,401	750	1,473	4,621	6,582	33,731
2043	3,821	2,428	3,751	335	2,504	3,866	4,642	785	1,545	4,851	6,893	35,421
2044	3,982	2,528	3,909	348	2,610	4,041	4,862	816	1,610	5,059	7,172	36,937
2045	4,123	2,615	4,049	360	2,702	4,198	5,060	843	1,668	5,244	7,418	38,280
2046	4,240	2,687	4,166	369	2,779	4,333	5,231	867	1,718	5,401	7,626	39,417
2047	4,334	2,745	4,259	376	2,839	4,444	5,376	886	1,760	5,530	7,795	40,344
2048	4,403	2,790	4,329	381	2,884	4,533	5,494	902	1,793	5,631	7,924	41,064
2049	4,453	2,822	4,380	384	2,915	4,601	5,585	914	1,819	5,709	8,020	41,602
2050	4,485	2,843	4,413	386	2,934	4,653	5,654	922	1,837	5,766	8,086	41,979
2051	4,491	2,848	4,422	386	2,937	4,678	5,691	925	1,846	5,793	8,110	42,127
2052	4,485	2,847	4,418	385	2,931	4,694	5,712	926	1,850	5,808	8,114	42,170
2053	4,470	2,839	4,405	383	2,920	4,700	5,722	925	1,850	5,812	8,105	42,131
2054	4,455	2,831	4,392	381	2,909	4,706	5,732	924	1,850	5,816	8,096	42,092

Table I-11c: Electric Vehicle Summer Coincident Peak Demand

Reflects Total Cumulative Impacts

Total Increase in Summer Coincident Peak Demand by Zone - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2024	15	11	17	2	9	17	17	4	9	23	34	158
2025	22	16	25	3	13	25	25	6	13	34	51	233
2026	32	24	36	4	20	36	38	9	17	49	72	337
2027	49	35	52	5	31	52	57	12	25	70	104	492
2028	71	49	73	7	45	73	82	17	34	95	146	692
2029	97	65	98	9	62	99	112	23	44	125	194	928
2030	127	84	127	11	82	127	146	28	56	158	245	1,191
2031	160	103	158	14	103	160	182	34	68	197	301	1,480
2032	193	124	191	17	125	192	223	40	82	236	362	1,785
2033	228	146	224	20	148	226	264	47	95	279	424	2,101
2034	263	168	258	23	171	261	305	55	109	322	485	2,420
2035	299	190	293	26	195	296	348	62	122	365	545	2,741
2036	334	212	327	30	218	331	389	67	135	409	604	3,056
2037	368	233	361	33	240	365	431	74	148	450	664	3,367
2038	401	253	393	35	263	399	471	80	160	491	718	3,664
2039	432	272	424	38	283	431	509	85	172	529	771	3,946
2040	461	290	452	41	302	460	546	91	183	564	820	4,210
2041	488	306	478	43	319	488	581	96	193	598	864	4,454
2042	512	321	502	46	336	514	611	100	203	629	904	4,678
2043	534	334	522	47	350	537	642	104	211	655	942	4,878
2044	553	346	542	48	364	558	666	108	218	681	972	5,056
2045	569	355	557	49	373	576	691	111	225	701	1,001	5,208
2046	582	363	569	51	381	590	711	114	231	718	1,027	5,337
2047	592	370	580	51	388	604	729	116	236	732	1,045	5,443
2048	600	375	590	52	394	615	740	117	240	746	1,057	5,526
2049	606	379	595	52	397	623	751	119	243	755	1,069	5,589
2050	609	380	598	52	398	629	761	120	244	761	1,077	5,629
2051	611	382	601	53	400	634	764	120	246	767	1,078	5,656
2052	611	382	601	52	400	636	769	121	247	769	1,081	5,669
2053	609	382	599	52	398	638	772	121	247	770	1,083	5,671
2054	607	380	597	52	397	638	774	121	247	770	1,081	5,664

Note: The baseline electric vehicle peak forecast assumes an increasing share of managed charging over time.

Table I-11d: Electric Vehicle Winter Coincident Peak Demand

Reflects Total Cumulative Impacts

Total Increase in Winter Coincident Peak Demand by Zone - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2024-25	27	22	29	2	18	31	33	9	16	42	64	293
2025-26	37	30	41	3	25	41	46	12	20	57	86	398
2026-27	57	42	60	5	37	61	68	16	29	81	123	579
2027-28	84	60	86	7	54	87	99	21	40	113	174	825
2028-29	118	80	117	10	76	120	139	28	53	149	236	1,126
2029-30	157	104	155	13	102	158	183	36	68	193	305	1,474
2030-31	199	130	195	17	129	199	231	45	85	240	380	1,850
2031-32	244	158	239	21	159	243	283	53	102	294	459	2,255
2032-33	290	187	285	25	190	289	337	62	119	351	540	2,675
2033-34	338	216	331	29	221	335	393	71	137	408	623	3,102
2034-35	385	247	377	33	253	383	450	80	156	465	705	3,534
2035-36	433	275	423	37	284	430	506	90	173	523	785	3,959
2036-37	479	303	468	41	315	476	562	98	191	578	864	4,375
2037-38	523	331	510	45	343	520	617	106	208	631	940	4,774
2038-39	564	357	551	49	370	563	668	114	223	681	1,010	5,150
2039-40	601	380	586	52	394	600	720	123	240	730	1,081	5,507
2040-41	639	402	626	55	421	642	764	128	251	767	1,138	5,833
2041-42	672	422	658	58	443	675	806	133	264	814	1,189	6,134
2042-43	701	439	686	61	462	708	846	140	275	843	1,242	6,403
2043-44	726	454	710	62	477	733	879	144	285	884	1,281	6,635
2044-45	747	467	731	64	491	756	908	148	294	912	1,316	6,834
2045-46	764	478	749	66	504	779	936	152	301	924	1,351	7,004
2046-47	778	487	764	67	514	796	957	154	306	943	1,374	7,140
2047-48	787	493	771	67	517	806	977	156	313	968	1,391	7,246
2048-49	794	497	779	68	522	817	990	158	316	977	1,404	7,322
2049-50	798	500	784	68	525	826	1,001	160	318	977	1,416	7,373
2050-51	799	501	786	67	526	831	1,003	159	320	992	1,416	7,400
2051-52	799	501	785	68	525	832	1,009	159	320	994	1,417	7,409
2052-53	796	500	782	67	522	833	1,011	160	322	998	1,416	7,407
2053-54	792	498	778	67	519	833	1,013	160	322	997	1,414	7,393
2054-55	790	496	778	67	519	837	1,014	160	319	985	1,414	7,379

Note: The baseline electric vehicle peak forecast assumes an increasing share of managed charging over time.

Table I-12a: Energy Storage Nameplate Capacity, Behind-the-Meter

Reflects Total Cumulative Nameplate Capacity of Behind-the-Meter Storage

Nameplate Capacity by Zone - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2024	3	8	49	0	69	40	63	8	12	35	39	326
2025	4	10	61	0	80	50	75	11	16	48	49	404
2026	5	13	74	1	91	60	87	13	20	64	59	487
2027	7	17	87	1	103	71	98	16	25	83	70	578
2028	9	21	101	1	115	82	109	19	30	105	82	674
2029	11	25	114	1	127	92	120	23	36	131	93	773
2030	13	30	128	1	138	103	130	26	42	161	106	878
2031	16	35	141	2	149	113	138	30	48	195	118	985
2032	20	40	154	2	160	124	146	34	55	232	130	1,097
2033	23	45	167	2	171	134	155	37	61	267	143	1,205
2034	26	51	181	3	182	145	164	41	68	304	155	1,320
2035	30	57	194	3	193	155	171	46	75	344	168	1,436
2036	33	63	206	4	203	165	178	50	82	387	180	1,551
2037	37	69	218	4	213	174	184	54	90	431	192	1,666
2038	41	75	229	5	221	183	189	58	97	477	203	1,778
2039	46	81	239	5	229	191	194	62	105	526	214	1,892
2040	50	88	249	6	236	198	199	67	112	575	225	2,005
2041	55	94	257	6	243	204	203	71	120	626	235	2,114
2042	59	101	264	7	248	210	206	75	127	678	244	2,219
2043	64	107	271	7	253	215	209	79	134	728	253	2,320
2044	68	113	277	8	258	220	212	82	141	776	260	2,415
2045	72	119	283	8	262	224	215	86	148	822	267	2,506
2046	76	124	288	9	266	228	217	89	154	864	274	2,589
2047	79	129	292	9	269	232	219	92	159	902	279	2,661
2048	83	133	296	9	272	235	221	95	164	938	284	2,730
2049	86	137	300	10	275	238	223	97	168	971	289	2,794
2050	88	140	303	10	277	240	224	99	172	1,000	293	2,846
2051	91	144	306	10	280	242	226	101	176	1,027	296	2,899
2052	93	146	308	10	282	244	227	103	179	1,051	300	2,943
2053	95	149	311	11	283	246	228	104	182	1,072	303	2,984
2054	97	151	313	11	285	248	229	106	185	1,094	306	3,025

Note: The storage capacity forecast includes only behind-the-meter resources, which reflect only a portion of the State's energy storage targets. These targets are expected to be met largely through interconnecting wholesale energy storage projects.

Pumped Storage is not included. See Table III-2 for current resources.

Table I-12b: Energy Storage Energy Impacts

Reflects Total Cumulative Impacts – Including Wholesale and Behind-the-Meter

Annual Net Electricity Consumption by Zone - GWh

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2024	28	4	16	6	13	12	15	4	5	8	9	115
2025	35	6	25	7	20	25	59	11	8	25	31	247
2026	39	8	33	8	28	37	73	18	11	51	51	352
2027	43	9	54	10	35	49	86	24	14	200	99	618
2028	46	11	62	11	42	61	100	31	17	217	120	713
2029	50	13	70	12	49	74	113	38	21	235	140	810
2030	54	15	79	13	56	86	126	44	24	254	161	907
2031	58	17	86	14	62	97	138	50	27	271	180	995
2032	61	19	94	15	68	107	149	56	30	288	198	1,080
2033	65	21	101	16	75	118	161	62	34	306	217	1,171
2034	68	23	109	17	81	129	173	68	37	324	235	1,259
2035	72	25	116	19	87	140	184	74	40	342	253	1,347
2036	75	27	123	20	93	151	195	80	43	360	272	1,434
2037	79	29	131	21	99	162	207	86	46	379	290	1,524
2038	83	31	138	22	105	172	218	92	50	398	309	1,613
2039	86	33	145	23	111	183	229	98	53	417	327	1,700
2040	90	35	152	24	117	193	240	104	56	437	345	1,788
2041	94	38	159	25	123	204	252	110	60	457	364	1,881
2042	98	40	166	26	128	214	263	117	63	478	383	1,971
2043	102	42	173	27	134	225	275	123	66	498	402	2,062
2044	106	44	179	28	139	235	286	129	69	518	420	2,148
2045	110	46	186	29	145	246	298	135	72	538	439	2,239
2046	114	48	193	31	150	256	309	142	75	557	457	2,327
2047	118	50	199	32	155	266	321	148	78	575	476	2,413
2048	122	51	206	33	161	277	332	154	81	594	494	2,500
2049	126	53	212	34	166	287	343	160	84	611	512	2,583
2050	129	55	218	35	171	297	355	166	87	629	530	2,667
2051	133	56	224	36	176	307	366	172	90	646	548	2,749
2052	137	58	231	37	181	317	377	178	92	662	566	2,831
2053	140	59	237	38	186	327	388	184	95	678	584	2,911
2054	144	61	243	39	192	337	400	190	98	694	602	2,995

Note: Both wholesale and behind-the-meter storage contribute to sytem net energy consumption.

Note: Values listed reflect net energy consumption due to round trip efficiency or battery losses.

Table I-12c: Energy Storage Peak Reductions, Behind-the-Meter

Reflects Total Cumulative Impacts

Reductions in Summer and Winter Coincident Peak Demand by Zone - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2024	2	6	39	0	55	32	38	6	7	21	33	239
2025	3	8	49	0	64	40	45	7	10	29	42	297
2026	4	11	59	0	73	48	52	9	12	38	50	356
2027	5	13	70	1	82	57	59	11	15	50	60	423
2028	7	17	81	1	92	65	66	13	18	63	69	492
2029	9	20	91	1	101	74	72	15	21	79	79	562
2030	11	24	102	1	110	82	78	18	25	97	90	638
2031	13	28	113	1	119	91	83	20	29	117	100	714
2032	16	32	123	2	128	99	88	23	33	139	111	794
2033	18	36	134	2	137	108	93	25	37	160	121	871
2034	21	41	145	2	146	116	98	28	41	183	132	953
2035	24	45	155	3	155	124	103	31	45	207	142	1,034
2036	27	50	165	3	163	132	107	34	49	232	153	1,115
2037	30	55	174	3	170	139	110	36	54	259	163	1,193
2038	33	60	183	4	177	146	114	39	58	286	173	1,273
2039	37	65	191	4	183	153	117	42	63	315	182	1,352
2040	40	70	199	4	189	158	119	45	67	345	191	1,427
2041	44	75	206	5	194	164	122	48	72	376	200	1,506
2042	47	81	212	5	199	168	124	50	76	407	208	1,577
2043	51	86	217	6	203	172	126	53	81	437	215	1,647
2044	55	91	222	6	206	176	127	56	85	466	221	1,711
2045	58	95	226	6	210	180	129	58	89	493	227	1,771
2046	61	99	230	7	213	183	130	60	92	518	233	1,826
2047	64	103	234	7	215	185	132	62	95	541	237	1,875
2048	66	106	237	7	218	188	133	64	98	563	242	1,922
2049	68	110	240	8	220	190	134	65	101	583	245	1,964
2050	71	112	242	8	222	192	135	67	103	600	249	2,001
2051	73	115	245	8	224	194	136	68	105	616	252	2,036
2052	74	117	247	8	225	195	136	69	107	630	255	2,063
2053	76	119	249	9	227	197	137	70	109	643	257	2,093
2054	77	121	250	9	228	198	138	71	111	657	260	2,120

Note: Peak Reductions due to behind-the-meter storage. Wholesale market storage is assumed to be dispatched as generation.

Note: Peak reductions reflect estimated summer reductions for the year listed, along with reductions for the following winter. For example, the values listed for 2023 reflect reductions to the 2023 summer peak and the 2023-24 winter peak.

Table I-13a: Building Electrification Annual Energy Usage

Reflects Cumulative Future Impacts

Total Annual Energy Usage by Zone - GWh

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2024	23	14	19	2	12	18	17	3	9	103	34	254
2025	52	32	42	3	28	40	37	8	19	229	75	565
2026	116	71	93	6	63	89	82	19	42	507	165	1,253
2027	194	119	155	10	104	149	137	31	70	841	275	2,085
2028	289	177	231	14	155	221	203	46	105	1,239	409	3,089
2029	392	240	313	19	210	301	277	63	142	1,677	555	4,189
2030	519	317	414	26	278	399	366	84	187	2,195	733	5,518
2031	668	408	531	33	356	512	469	107	240	2,787	939	7,050
2032	843	514	669	42	449	646	591	135	302	3,474	1,182	8,847
2033	1,051	640	831	52	558	803	734	169	374	4,251	1,466	10,929
2034	1,275	775	1,007	62	675	974	890	204	452	5,094	1,773	13,181
2035	1,539	935	1,212	75	812	1,173	1,071	246	542	6,038	2,130	15,773
2036	1,838	1,114	1,443	89	967	1,398	1,274	294	643	7,073	2,531	18,664
2037	2,162	1,308	1,691	104	1,133	1,641	1,494	345	751	8,150	2,961	21,740
2038	2,514	1,518	1,962	121	1,313	1,905	1,732	400	869	9,297	3,427	25,058
2039	2,896	1,745	2,252	138	1,507	2,190	1,989	460	994	10,496	3,928	28,595
2040	3,277	1,973	2,543	156	1,700	2,476	2,248	521	1,121	11,687	4,429	32,131
2041	3,658	2,199	2,831	173	1,892	2,761	2,507	581	1,246	12,840	4,927	35,615
2042	4,027	2,419	3,111	190	2,078	3,038	2,760	640	1,368	13,953	5,411	38,995
2043	4,368	2,622	3,368	205	2,247	3,296	2,996	695	1,481	14,972	5,858	42,108
2044	4,667	2,802	3,595	218	2,397	3,525	3,208	744	1,582	15,889	6,257	44,884
2045	4,933	2,961	3,795	230	2,528	3,729	3,398	787	1,672	16,679	6,610	47,322
2046	5,146	3,090	3,956	239	2,632	3,896	3,555	823	1,746	17,338	6,899	49,320
2047	5,315	3,194	4,084	246	2,714	4,032	3,686	853	1,807	17,877	7,134	50,942
2048	5,456	3,281	4,192	251	2,782	4,148	3,799	878	1,859	18,346	7,334	52,326
2049	5,545	3,337	4,259	254	2,824	4,226	3,878	895	1,894	18,645	7,466	53,223
2050	5,622	3,386	4,317	257	2,859	4,295	3,948	910	1,925	18,910	7,583	54,012
2051	5,670	3,418	4,354	258	2,879	4,343	4,001	921	1,948	19,107	7,664	54,563
2052	5,707	3,445	4,383	259	2,895	4,384	4,048	930	1,968	19,294	7,734	55,047
2053	5,721	3,457	4,394	258	2,899	4,407	4,078	936	1,980	19,395	7,772	55,297
2054	5,729	3,466	4,401	258	2,900	4,426	4,105	940	1,990	19,491	7,803	55,509

Note: Reflects end-use electrification of space heating, water heating, cooking, and other end-uses.

Table I-13b: Building Electrification Summer Coincident Peak Demand

Reflects Cumulative Future Impacts

Total Increase in Summer Coincident Peak Demand by Zone - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2024	1	1	1	0	0	1	1	0	1	5	2	13
2025	2	2	2	0	1	2	2	0	1	14	5	31
2026	5	3	4	0	3	4	4	1	2	26	8	60
2027	9	6	7	0	5	7	7	1	3	43	12	100
2028	13	8	11	1	7	10	10	2	5	63	18	148
2029	18	11	15	1	9	14	13	3	7	89	26	206
2030	23	15	19	1	13	18	17	4	10	119	36	275
2031	30	19	25	2	17	24	23	5	12	151	45	353
2032	37	23	31	2	20	30	28	6	15	187	56	435
2033	45	28	37	2	25	36	34	8	18	226	67	526
2034	53	33	43	3	29	42	40	9	21	268	80	621
2035	61	39	51	3	34	49	47	10	24	311	93	722
2036	70	45	58	3	38	56	53	12	28	357	106	826
2037	79	50	65	4	43	64	61	13	31	403	120	933
2038	88	56	73	4	49	72	68	15	35	449	133	1,042
2039	96	62	79	5	54	79	75	17	39	496	147	1,149
2040	105	67	88	5	58	87	82	18	43	542	161	1,256
2041	114	73	95	6	63	94	89	20	46	587	175	1,362
2042	122	78	101	6	67	100	95	21	49	634	188	1,461
2043	130	83	108	7	72	108	102	22	52	676	201	1,561
2044	138	88	115	7	76	114	108	24	56	716	213	1,655
2045	145	93	121	7	80	121	114	26	59	754	224	1,744
2046	151	96	125	8	83	126	120	27	62	790	235	1,823
2047	157	101	130	8	86	131	125	28	64	821	244	1,895
2048	162	104	134	8	89	135	130	28	66	848	252	1,956
2049	166	107	137	8	91	139	133	29	68	872	259	2,009
2050	169	109	140	8	93	142	136	29	70	890	264	2,050
2051	172	110	142	8	93	144	138	30	70	902	268	2,077
2052	172	111	142	8	94	145	139	30	70	909	269	2,089
2053	172	111	142	8	93	145	139	30	70	909	270	2,089
2054	171	110	141	8	93	144	138	30	70	901	267	2,073

Note: Reflects end-use electrification of space conditioning, water heating, cooking, and other end-uses.

Table I-13c: Building Electrification Winter Coincident Peak Demand

Reflects Cumulative Future Impacts

Total Increase in Winter Coincident Peak Demand by Zone - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2024-25	16	10	13	1	9	13	11	3	6	69	23	174
2025-26	30	18	24	1	16	23	21	5	11	127	42	318
2026-27	43	26	34	2	23	33	30	7	16	182	61	457
2027-28	62	37	49	3	33	47	43	10	22	256	86	648
2028-29	89	54	71	4	48	68	63	14	32	369	125	937
2029-30	129	78	103	7	69	99	90	21	46	528	181	1,351
2030-31	185	112	147	9	98	141	129	29	65	744	257	1,916
2031-32	262	158	205	13	138	198	179	41	91	998	358	2,641
2032-33	354	213	277	17	185	266	241	56	122	1,316	481	3,528
2033-34	457	276	357	23	239	344	312	72	158	1,709	622	4,569
2034-35	587	352	456	29	307	439	396	92	199	2,103	790	5,750
2035-36	728	436	563	35	378	543	489	114	245	2,549	973	7,053
2036-37	882	527	679	42	456	656	590	137	294	3,015	1,171	8,449
2037-38	1,039	621	800	49	537	774	696	163	346	3,514	1,379	9,918
2038-39	1,214	723	931	57	624	901	809	189	400	3,977	1,598	11,423
2039-40	1,384	824	1,059	65	709	1,026	921	216	454	4,460	1,817	12,935
2040-41	1,553	922	1,185	72	793	1,150	1,033	242	509	4,930	2,031	14,420
2041-42	1,718	1,019	1,308	79	875	1,271	1,142	268	561	5,363	2,241	15,845
2042-43	1,868	1,108	1,421	87	950	1,384	1,245	292	609	5,787	2,435	17,186
2043-44	2,009	1,191	1,525	93	1,018	1,488	1,341	314	655	6,161	2,615	18,410
2044-45	2,132	1,265	1,618	98	1,079	1,583	1,427	334	696	6,492	2,775	19,499
2045-46	2,234	1,326	1,695	102	1,128	1,661	1,501	351	731	6,791	2,911	20,431
2046-47	2,318	1,377	1,757	106	1,169	1,727	1,564	365	760	7,030	3,024	21,197
2047-48	2,385	1,417	1,807	108	1,201	1,780	1,615	377	782	7,206	3,113	21,791
2048-49	2,431	1,446	1,841	110	1,222	1,818	1,654	385	800	7,333	3,178	22,218
2049-50	2,456	1,462	1,860	111	1,233	1,842	1,679	391	810	7,429	3,219	22,492
2050-51	2,472	1,472	1,871	110	1,239	1,857	1,697	395	818	7,461	3,243	22,635
2051-52	2,474	1,475	1,872	110	1,237	1,863	1,707	396	821	7,481	3,252	22,688
2052-53	2,468	1,473	1,869	110	1,234	1,865	1,713	397	823	7,491	3,254	22,697
2053-54	2,466	1,474	1,867	109	1,231	1,868	1,720	398	826	7,505	3,259	22,723
2054-55	2,464	1,475	1,865	108	1,228	1,871	1,727	399	829	7,519	3,264	22,749

Note: Reflects end-use electrification of space heating, water heating, cooking, and other end-uses.

Table I-13d: Electrification Impacts by Scenario

Reflects Cumulative Impacts

NYCA Annual Energy Usage - GWh

	Baseline Forecast			Lower Demand Scenario			Higher Demand Scenario			Policy Scenario		
Year	EV	Building	Total	EV	Building	Total	EV	Building	Total	EV	Building	Total
2024	1,124	254	1,378	956	254	1,210	1,203	254	1,457	1,203	254	1,457
2025	1,652	565	2,217	1,158	719	1,877	1,802	1,052	2,854	1,802	1,135	2,937
2026	2,374	1,253	3,627	1,544	1,285	2,829	2,616	2,021	4,637	2,616	2,204	4,820
2027	3,345	2,085	5,430	2,073	1,974	4,047	3,707	3,194	6,901	3,707	3,500	7,207
2028	4,501	3,089	7,590	2,835	2,797	5,632	5,027	4,609	9,636	5,027	5,061	10,088
2029	5,846	4,189	10,035	3,741	3,705	7,446	6,581	6,163	12,744	6,581	6,773	13,354
2030	7,394	5,518	12,912	4,808	4,798	9,606	8,392	8,038	16,430	8,392	8,841	17,233
2031	9,114	7,050	16,164	6,015	6,059	12,074	10,429	10,198	20,627	10,429	11,223	21,652
2032	11,011	8,847	19,858	7,380	7,539	14,919	12,698	12,734	25,432	12,698	14,021	26,719
2033	13,126	10,929	24,055	8,926	9,253	18,179	15,244	15,671	30,915	15,244	17,261	32,505
2034	15,459	13,181	28,640	10,665	11,110	21,775	18,092	18,849	36,941	18,092	20,767	38,859
2035	18,014	15,773	33,787	12,610	13,245	25,855	21,277	22,510	43,787	21,277	24,803	46,080
2036	20,543	18,664	39,207	14,587	15,625	30,212	24,455	26,587	51,042	24,455	29,303	53,758
2037	23,025	21,740	44,765	16,579	18,157	34,736	27,598	30,922	58,520	27,598	34,087	61,685
2038	25,421	25,058	50,479	18,557	20,896	39,453	30,689	35,609	66,298	30,689	39,255	69,944
2039	27,706	28,595	56,301	20,503	23,807	44,310	33,693	40,597	74,290	33,693	44,759	78,452
2040	29,869	32,131	62,000	22,404	26,716	49,120	36,589	45,582	82,171	36,589	50,258	86,847
2041	31,878	35,615	67,493	24,228	29,589	53,817	39,349	50,500	89,849	39,349	55,686	95,035
2042	33,731	38,995	72,726	25,973	32,368	58,341	41,961	55,268	97,229	41,961	60,942	102,903
2043	35,421	42,108	77,529	27,628	34,933	62,561	44,417	59,660	104,077	44,417	65,786	110,203
2044	36,937	44,884	81,821	29,181	37,220	66,401	46,710	63,576	110,286	46,710	70,106	116,816
2045	38,280	47,322	85,602	30,622	39,228	69,850	48,809	67,014	115,823	48,809	73,902	122,711
2046	39,417	49,320	88,737	31,927	40,875	72,802	50,694	69,834	120,528	50,694	77,010	127,704
2047	40,344	50,942	91,286	33,082	42,208	75,290	52,338	72,120	124,458	52,338	79,534	131,872
2048	41,064	52,326	93,390	34,083	43,348	77,431	53,743	74,074	127,817	53,743	81,689	135,432
2049	41,602	53,223	94,825	34,947	44,088	79,035	54,905	75,342	130,247	54,905	83,088	137,993
2050	41,979	54,012	95,991	35,682	44,738	80,420	55,879	76,454	132,333	55,879	84,315	140,194
2051	42,127	54,563	96,690	36,230	45,190	81,420	56,522	77,230	133,752	56,522	85,172	141,694
2052	42,170	55,047	97,217	36,689	45,591	82,280	56,976	77,914	134,890	56,976	85,925	142,901
2053	42,131	55,297	97,428	37,075	45,797	82,872	57,286	78,267	135,553	57,286	86,314	143,600
2054	42,092	55,509	97,601	37,461	45,971	83,432	57,596	78,566	136,162	57,596	86,643	144,239

Note: Electric Vehicle annual energy usage from Tables I-1b, I-11b, I-15a, I-16a, and I-17a.
Includes light duty vehicles, medium and heavy duty vechiles, and buses.

Note: Building electrification annual energy usage from Tables I-1b, I-13a, I-15a, I-16a, and I-17a.
Includes electrification of space heating, water heating, cooking, and other end uses.

Table I-14: Interconnecting Large Loads Forecast

Reflects Cumulative Existing and Future Impacts of Large Load Projects

Annual Energy by Zone - GWh

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2024	1,480	0	0	1,300	80	0	0	0	0	0	0	2,860
2025	2,270	1,180	0	1,380	130	0	0	0	0	0	0	4,960
2026	2,740	1,960	900	2,910	160	0	0	0	0	0	0	8,670
2027	2,740	1,960	1,570	4,180	160	320	0	0	0	0	0	10,930
2028	2,740	1,960	2,410	4,180	160	320	0	0	0	0	0	11,770
2029	2,740	1,960	3,490	4,180	160	320	0	0	0	0	0	12,850
2030	2,740	1,960	4,970	4,180	160	320	0	0	0	0	0	14,330
2031	2,740	1,960	5,770	4,180	160	320	0	0	0	0	0	15,130
2032	2,740	1,960	6,580	4,180	160	320	0	0	0	0	0	15,940
2033	2,740	1,960	7,380	4,180	160	320	0	0	0	0	0	16,740
2034	2,740	1,960	7,590	4,180	160	320	0	0	0	0	0	16,950
2035	2,740	1,960	7,790	4,180	160	320	0	0	0	0	0	17,150

Summer Peak Demand by Zone - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2024	188	0	0	169	11	0	0	0	0	0	0	368
2025	288	150	0	173	19	0	0	0	0	0	0	630
2026	348	248	122	352	21	0	0	0	0	0	0	1,091
2027	348	248	218	534	21	40	0	0	0	0	0	1,409
2028	348	248	338	534	21	40	0	0	0	0	0	1,529
2029	348	248	492	534	21	40	0	0	0	0	0	1,683
2030	348	248	703	534	21	40	0	0	0	0	0	1,894
2031	348	248	818	534	21	40	0	0	0	0	0	2,009
2032	348	248	933	534	21	40	0	0	0	0	0	2,124
2033	348	248	1,048	534	21	40	0	0	0	0	0	2,239
2034	348	248	1,077	534	21	40	0	0	0	0	0	2,268
2035	348	248	1,106	534	21	40	0	0	0	0	0	2,297

Winter Peak Demand by Zone - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2024-25	188	0	0	173	11	0	0	0	0	0	0	372
2025-26	288	150	0	324	21	0	0	0	0	0	0	783
2026-27	348	248	122	462	21	0	0	0	0	0	0	1,201
2027-28	348	248	218	534	21	40	0	0	0	0	0	1,409
2028-29	348	248	338	534	21	40	0	0	0	0	0	1,529
2029-30	348	248	492	534	21	40	0	0	0	0	0	1,683
2030-31	348	248	703	534	21	40	0	0	0	0	0	1,894
2031-32	348	248	818	534	21	40	0	0	0	0	0	2,009
2032-33	348	248	933	534	21	40	0	0	0	0	0	2,124
2033-34	348	248	1,048	534	21	40	0	0	0	0	0	2,239
2034-35	348	248	1,077	534	21	40	0	0	0	0	0	2,268
2035-36	348	248	1,106	534	21	40	0	0	0	0	0	2,297

Notes:

Forecasts for 2036 onward match the final year forecasts in these tables.

These forecast values are embedded in the final annual energy, summer peak, and winter peak demand forecasts.

Table IV-7 lists the NYISO Interconnection Queue information for proposed interconnecting large loads. These forecast tables do not necessarily reflect the proposed date and MW values listed in Table IV-7, and include impacts for load projects not listed in the NYISO IQ as of March 15, 2024.

Table I-15a: Summary of NYCA Lower Demand Scenario Annual Energy Forecasts – GWh

Year	(a) Econometric Energy	(b) (-) EE and C&S	(c) (-) Solar PV, BTM	(d) (-) Non-Solar DG, BTM	(e) (+) Storage Net Energy Consumption	(f) (+) EV Energy	(g) (+) Building Electrification	(h) (+) Large Load Projects	(i) (+) Electrolysis	(j) =a-b-c-d+e+f+g+h+i Lower Demand Scenario Annual Energy Forecast
2024	155,695	2,422	6,285	2,013	115	956	254	2,860	0	149,160
2025	155,859	4,973	7,402	2,068	247	1,158	719	4,960	0	148,500
2026	155,427	7,288	8,459	2,101	352	1,544	1,285	8,670	0	149,430
2027	155,234	9,588	9,448	2,133	618	2,073	1,974	10,930	0	149,660
2028	156,040	11,832	10,329	2,164	713	2,835	2,797	11,770	0	149,830
2029	156,599	14,073	11,089	2,193	810	3,741	3,705	12,850	0	150,350
2030	156,981	16,319	11,723	2,222	907	4,808	4,798	14,330	0	151,560
2031	158,441	18,551	12,238	2,251	995	6,015	6,059	15,130	0	153,600
2032	160,121	20,760	12,652	2,278	1,080	7,380	7,539	15,940	0	156,370
2033	161,662	22,896	12,990	2,306	1,171	8,926	9,253	16,740	0	159,560
2034	163,128	24,891	13,252	2,329	1,259	10,665	11,110	17,150	0	162,840
2035	164,354	26,747	13,497	2,352	1,347	12,610	13,245	17,150	0	166,110
2036	165,133	28,464	13,750	2,375	1,434	14,587	15,625	17,150	0	169,340
2037	165,623	30,063	13,974	2,396	1,524	16,579	18,157	17,150	0	172,600
2038	165,994	31,616	14,185	2,419	1,613	18,557	20,896	17,150	0	175,990
2039	166,221	33,125	14,384	2,442	1,700	20,503	23,807	17,150	0	179,430
2040	166,422	34,614	14,555	2,461	1,788	22,404	26,716	17,150	0	182,850
2041	166,609	36,065	14,722	2,480	1,881	24,228	29,589	17,150	0	186,190
2042	166,824	37,488	14,870	2,498	1,971	25,973	32,368	17,150	0	189,430
2043	167,081	38,822	15,005	2,517	2,062	27,628	34,933	17,150	0	192,510
2044	167,443	40,075	15,130	2,537	2,148	29,181	37,220	17,150	0	195,400
2045	167,831	41,275	15,245	2,550	2,239	30,622	39,228	17,150	0	198,000
2046	168,289	42,454	15,352	2,562	2,327	31,927	40,875	17,150	0	200,200
2047	168,840	43,593	15,444	2,576	2,413	33,082	42,208	17,150	0	202,080
2048	169,325	44,713	15,544	2,589	2,500	34,083	43,348	17,150	0	203,560
2049	170,004	45,821	15,628	2,603	2,583	34,947	44,088	17,150	0	204,720
2050	170,583	46,909	15,696	2,615	2,667	35,682	44,738	17,150	0	205,600
2051	171,299	47,961	15,769	2,628	2,749	36,230	45,190	17,150	0	206,260
2052	171,896	48,995	15,840	2,642	2,831	36,689	45,591	17,150	0	206,680
2053	172,557	50,040	15,905	2,655	2,911	37,075	45,797	17,150	0	206,890
2054	173,024	51,033	15,950	2,668	2,995	37,461	45,971	17,150	0	206,950

(a) - Econometric Energy Forecast - Reflects impacts of projected weather trends and economic growth
(b) - Table I-8a: Energy Efficiency and Codes & Standards Energy Impacts, Relative to 2023
(c) - Table I-9b: Solar PV Impacts, Behind-the-Meter - Total Reductions in Annual Energy
(d) - Table I-10b: Non-Solar Distributed Generation Impacts, Behind-the-Meter - Total Reductions in Annual Energy
(e) - Table I-12b: Storage Annual Net Energy Consumption, both wholesale and behind-the-meter (pumped storage is not included - see Table III-2 for current resources)
(f) - Table I-11b-L: Electric Vehicle Energy Usage
(g) - Table I-13a-L: Building Electrification Energy Usage - future end-use electrification including heat pumps, water heating, cooking, and other end-uses
(h) - Table I-14: Large Loads Forecast - reflects existing plus future load growth
(i) - There is no electrolysis in the Lower Demand Scenario beyond that included in the large loads forecast
(j) - Table I-2-L: Lower Demand Scenario Annual Energy Forecast

Lower Demand Scenario forecast tables: https://www.nyiso.com/library

Table I-15b: Summary of NYCA Lower Demand Scenario Summer Coincident Peak Demand Forecasts – MW

Year	(a) Econometric Peak Demand	(b) (-) EE and C&S	(c) (-) Solar PV, BTM	(d) (-) Non-Solar DG, BTM	(e) (-) BTM Storage Peak Reductions	(f) (+) EV Peak Demand	(g) (+) Building Electrification	(h) (+) Large Load Projects	(i) (+) Electrolysis	(j) =a-b-c-d-e+f+g+h+i Lower Demand Scenario Summer Peak Forecast
2024	33,256	406	1,505	351	239	134	13	368	0	31,270
2025	33,408	864	1,503	361	297	161	26	630	0	31,200
2026	33,414	1,300	1,496	367	356	220	54	1,091	0	31,260
2027	33,488	1,773	1,482	372	423	302	81	1,409	0	31,230
2028	33,686	2,241	1,469	378	492	432	123	1,529	0	31,190
2029	33,816	2,706	1,439	383	562	588	173	1,683	0	31,170
2030	33,901	3,146	1,394	388	638	761	230	1,894	0	31,220
2031	34,127	3,593	1,342	392	714	960	295	2,009	0	31,350
2032	34,413	4,041	1,282	397	794	1,170	367	2,124	0	31,560
2033	34,686	4,464	1,224	402	871	1,393	443	2,239	0	31,800
2034	34,975	4,862	1,168	406	953	1,623	524	2,297	0	32,030
2035	35,243	5,228	1,108	410	1,034	1,861	609	2,297	0	32,230
2036	35,474	5,570	1,042	414	1,115	2,095	695	2,297	0	32,420
2037	35,719	5,888	988	418	1,193	2,333	788	2,297	0	32,650
2038	35,982	6,192	937	421	1,273	2,566	878	2,297	0	32,900
2039	36,230	6,491	877	426	1,352	2,792	967	2,297	0	33,140
2040	36,419	6,756	811	429	1,427	3,009	1,058	2,297	0	33,360
2041	36,587	7,026	745	433	1,506	3,228	1,148	2,297	0	33,550
2042	36,694	7,269	679	435	1,577	3,436	1,233	2,297	0	33,700
2043	36,807	7,513	623	439	1,647	3,629	1,319	2,297	0	33,830
2044	36,855	7,718	560	442	1,711	3,811	1,398	2,297	0	33,930
2045	36,897	7,917	502	445	1,771	3,976	1,475	2,297	0	34,010
2046	36,964	8,111	450	446	1,826	4,089	1,533	2,297	0	34,050
2047	37,063	8,286	403	449	1,875	4,181	1,562	2,297	0	34,090
2048	37,082	8,450	364	451	1,922	4,266	1,652	2,297	0	34,110
2049	37,171	8,620	331	454	1,964	4,335	1,696	2,297	0	34,130
2050	37,263	8,776	304	456	2,001	4,387	1,730	2,297	0	34,140
2051	37,372	8,925	278	459	2,036	4,426	1,753	2,297	0	34,150
2052	37,486	9,064	267	461	2,063	4,456	1,766	2,297	0	34,150
2053	37,646	9,212	256	464	2,093	4,478	1,754	2,297	0	34,150
2054	37,797	9,348	253	465	2,120	4,490	1,742	2,297	0	34,140

(a) - Econometric Summer Peak Demand - Reflects impacts of projected weather trends and economic growth

(b) - Table I-8b: Energy Efficiency and Codes & Standards Summer Coincident Peak Demand Reductions, Relative to 2023

(c) - Table I-9c: Solar PV Impacts, Behind-the-Meter, Total Reductions in Summer Coincident Peak Demand

(d) - Table I-10d: Non-Solar Distributed Generation Impacts, Behind-the-Meter, Total Reductions in Coincident Peak Demand

(e) - Table I-12c: Storage Impacts, Behind-the-Meter, Reductions in Coincident Peak Demand (pumped storage is not included - see Table III-2 for current resources)

(f) - Table I-11c-L: Electric Vehicle Summer Coincident Peak Demand

(g) - Table I-13b-L: Building Electrification Summer Coincident Peak Demand - future end-use electrification including heat pumps, water heating, cooking, and other end-uses

(h) - Table I-14: Large Loads Forecast - reflects existing plus future load growth

(i) - There is no electrolysis in the Lower Demand Scenario beyond that included in the large loads forecast

(j) - Table I-3a-L: Lower Demand Scenario Summer Coincident Peak Demand Forecast

Lower Demand Scenario forecast tables: https://www.nyiso.com/library

Table I-15c: Summary of NYCA Lower Demand Scenario Winter Coincident Peak Demand Forecasts – MW

Year	(a) Econometric Peak Demand	(b) (-) EE and C&S	(c) (-) Solar PV, BTM	(d) (-) Non-Solar DG, BTM	(e) (-) BTM Storage Peak Reductions	(f) (+) EV Peak Demand	(g) (+) Building Electrification	(h) (+) Large Load Projects	(i) (+) Electrolysis	(j) =a-b-c-d-e+f+g+h+i Lower Demand Scenario Winter Peak Forecast
2024-25	23,713	349	0	351	239	250	174	372	0	23,570
2025-26	23,839	722	0	361	297	278	300	783	0	23,820
2026-27	23,917	1,065	0	367	356	375	415	1,201	0	24,120
2027-28	24,122	1,414	0	372	423	509	579	1,409	0	24,410
2028-29	24,282	1,759	0	378	492	702	836	1,529	0	24,720
2029-30	24,320	2,112	0	383	562	932	1,212	1,683	0	25,090
2030-31	24,236	2,470	0	388	638	1,184	1,732	1,894	0	25,550
2031-32	24,163	2,840	0	392	714	1,459	2,405	2,009	0	26,090
2032-33	24,226	3,221	0	397	794	1,754	3,088	2,124	0	26,780
2033-34	24,283	3,602	0	402	871	2,058	3,925	2,239	0	27,630
2034-35	24,245	3,974	0	406	953	2,372	5,079	2,297	0	28,660
2035-36	24,482	4,338	0	410	1,034	2,686	6,107	2,297	0	29,790
2036-37	24,607	4,693	0	414	1,115	2,998	7,330	2,297	0	31,010
2037-38	24,741	5,051	0	418	1,193	3,306	8,588	2,297	0	32,270
2038-39	24,780	5,416	0	421	1,273	3,606	10,017	2,297	0	33,590
2039-40	25,137	5,782	0	426	1,352	3,899	11,137	2,297	0	34,910
2040-41	25,345	6,149	0	429	1,427	4,170	12,413	2,297	0	36,220
2041-42	25,570	6,508	0	433	1,506	4,445	13,555	2,297	0	37,420
2042-43	25,725	6,871	0	435	1,577	4,702	14,679	2,297	0	38,520
2043-44	25,888	7,227	0	439	1,647	4,936	15,672	2,297	0	39,480
2044-45	25,988	7,569	0	442	1,711	5,151	16,606	2,297	0	40,320
2045-46	26,158	7,907	0	445	1,771	5,349	17,359	2,297	0	41,040
2046-47	26,447	8,249	0	446	1,826	5,468	17,959	2,297	0	41,650
2047-48	26,730	8,587	0	449	1,875	5,567	18,447	2,297	0	42,130
2048-49	26,993	8,919	0	451	1,922	5,652	18,830	2,297	0	42,480
2049-50	27,341	9,251	0	454	1,964	5,719	19,022	2,297	0	42,710
2050-51	27,699	9,565	0	456	2,001	5,767	19,089	2,297	0	42,830
2051-52	28,041	9,871	0	459	2,036	5,797	19,141	2,297	0	42,910
2052-53	28,383	10,171	0	461	2,063	5,824	19,141	2,297	0	42,950
2053-54	28,735	10,480	0	464	2,093	5,836	19,149	2,297	0	42,980
2054-55	29,027	10,781	0	465	2,120	5,849	19,173	2,297	0	42,980

(a) - Econometric Winter Peak Demand - Reflects impacts of projected weather trendsand economic growth

(b) - Table I-8c: Energy Efficiency and Codes & Standards Winter Coincident Peak Demand Reductions, Relative to 2023-24

(c) - The forecast of solar PV-related reductions to the winter peak is zero because the system typically peaks after sunset

(d) - Table I-10c: Non-Solar Distributed Generation Impacts, Behind-the-Meter, Total Reductions in Coincident Peak Demand

(e) - Table I-12c: Storage Impacts, Behind-the-Meter, Reductions in Coincident Peak Demand (pumped storage is not included - see Table III-2 for current resources)

(f) - Table I-11d-L: Electric Vehicle Winter Coincident Peak Demand

(g) - Table I-13c-L: Building Electrification Winter Coincident Peak Demand - future end-use electrification including heat pumps, water heating, cooking, and other end-uses

(h) - Table I-14: Large Loads Forecast - reflects existing plus future load growth

(i) - There is no electrolysis in the Lower Demand Scenario beyond that included in the large loads forecast

(j) - Table I-3b-L: Lower Demand Scenario Winter Coincident Peak Demand Forecast

Lower Demand Scenario forecast tables: https://www.nyiso.com/library

Table I-16a: Summary of NYCA Higher Demand Scenario Annual Energy Forecasts – GWh

Year	(a) Econometric Energy	(b) (-) EE and C&S	(c) (-) Solar PV, BTM	(d) (-) Non-Solar DG, BTM	(e) (+) Storage Net Energy Consumption	(f) (+) EV Energy	(g) (+) Building Electrification	(h) (+) Large Load Projects	(i) (+) Electrolysis	(j) =a-b-c-d+e+f+g+h+i Higher Demand Scenario Annual Energy Forecast
2024	157,928	2,422	6,285	2,013	115	1,203	254	2,860	0	151,640
2025	159,982	4,973	7,402	2,068	247	1,802	1,052	6,150	0	154,790
2026	160,079	7,288	8,459	2,101	352	2,616	2,021	11,830	0	159,050
2027	161,280	9,588	9,448	2,133	618	3,707	3,194	15,330	0	162,960
2028	163,566	11,832	10,329	2,164	713	5,027	4,609	17,420	0	167,010
2029	165,536	14,073	11,089	2,193	810	6,581	6,163	18,500	1,105	171,340
2030	167,106	16,319	11,723	2,222	907	8,392	8,038	19,980	2,311	176,470
2031	169,657	18,551	12,238	2,251	995	10,429	10,198	20,780	3,501	182,520
2032	172,336	20,760	12,652	2,278	1,080	12,698	12,734	21,590	4,662	189,410
2033	174,853	22,896	12,990	2,306	1,171	15,244	15,671	22,390	5,783	196,920
2034	177,605	24,891	13,252	2,329	1,259	18,092	18,849	22,600	6,907	204,840
2035	179,585	26,747	13,497	2,352	1,347	21,277	22,510	22,800	8,227	213,150
2036	181,354	28,464	13,750	2,375	1,434	24,455	26,587	22,800	9,929	221,970
2037	182,725	30,063	13,974	2,396	1,524	27,598	30,922	22,800	12,204	231,340
2038	183,878	31,616	14,185	2,419	1,613	30,689	35,609	22,800	14,861	241,230
2039	184,886	33,125	14,384	2,442	1,700	33,693	40,597	22,800	17,605	251,330
2040	186,022	34,614	14,555	2,461	1,788	36,589	45,582	22,800	20,139	261,290
2041	187,315	36,065	14,722	2,480	1,881	39,349	50,500	22,800	22,372	270,950
2042	188,617	37,488	14,870	2,498	1,971	41,961	55,268	22,800	24,429	280,190
2043	189,982	38,822	15,005	2,517	2,062	44,417	59,660	22,800	26,383	288,960
2044	191,421	40,075	15,130	2,537	2,148	46,710	63,576	22,800	28,247	297,160
2045	192,906	41,275	15,245	2,550	2,239	48,809	67,014	22,800	29,912	304,610
2046	194,623	42,454	15,352	2,562	2,327	50,694	69,834	22,800	31,350	311,260
2047	196,442	43,593	15,444	2,576	2,413	52,338	72,120	22,800	32,620	317,120
2048	198,157	44,713	15,544	2,589	2,500	53,743	74,074	22,800	33,792	322,220
2049	200,216	45,821	15,628	2,603	2,583	54,905	75,342	22,800	34,906	326,700
2050	202,033	46,909	15,696	2,615	2,667	55,879	76,454	22,800	35,957	330,570
2051	204,060	47,961	15,769	2,628	2,749	56,522	77,230	22,800	36,967	333,970
2052	205,895	48,995	15,840	2,642	2,831	56,976	77,914	22,800	37,951	336,890
2053	207,320	50,040	15,905	2,655	2,911	57,286	78,267	22,800	38,936	338,920
2054	208,312	51,033	15,950	2,668	2,995	57,596	78,566	22,800	39,672	340,290

(a) - Econometric Energy Forecast - Reflects impacts of projected weather trends and economic growth
(b) - Table I-8a: Energy Efficiency and Codes & Standards Energy Impacts, Relative to 2023
(c) - Table I-9b: Solar PV Impacts, Behind-the-Meter - Total Reductions in Annual Energy
(d) - Table I-10b: Non-Solar Distributed Generation Impacts, Behind-the-Meter - Total Reductions in Annual Energy
(e) - Table I-12b: Storage Annual Net Energy Consumption, both wholesale and behind-the-meter (pumped storage is not included - see Table III-2 for current resources)
(f) - Table I-11b-H: Electric Vehicle Energy Usage
(g) - Table I-13a-H: Building Electrification Energy Usage - future end-use electrification including heat pumps, water heating, cooking, and other end-uses
(h) - Table I-14-H: Large Loads Forecast - reflects existing plus future load growth
(i) - Table I-22-H: Electrolysis Annual Energy Impacts
(j) - Table I-2-H: Higher Demand Scenario Annual Energy Forecast

Higher Demand Scenario forecast tables: https://www.nyiso.com/library

Table I-16b: Summary of NYCA Higher Demand Scenario Summer Coincident Peak Demand Forecasts – MW

Year	(a) Econometric Peak Demand	(b) (-) EE and C&S	(c) (-) Solar PV, BTM	(d) (-) Non-Solar DG, BTM	(e) (-) BTM Storage Peak Reductions	(f) (+) EV Peak Demand	(g) (+) Building Electrification	(h) (+) Large Load Projects	(i) (+) Electrolysis	(j) =a-b-c-d-e+f+g+h+i Higher Demand Scenario Summer Peak Forecast
2024	33,741	406	1,505	351	239	169	13	368	0	31,790
2025	34,150	864	1,503	361	297	253	42	780	0	32,200
2026	34,350	1,300	1,496	367	356	373	87	1,619	0	32,910
2027	34,825	1,773	1,482	372	423	551	147	1,977	0	33,450
2028	35,262	2,241	1,469	378	492	787	214	2,257	0	33,940
2029	35,715	2,706	1,439	383	562	1,068	296	2,411	0	34,400
2030	36,073	3,146	1,394	388	638	1,391	390	2,622	0	34,910
2031	36,534	3,593	1,342	392	714	1,755	495	2,737	0	35,480
2032	37,040	4,041	1,282	397	794	2,143	609	2,852	0	36,130
2033	37,515	4,464	1,224	402	871	2,557	732	2,967	0	36,810
2034	38,022	4,862	1,168	406	953	2,983	868	2,996	0	37,480
2035	38,460	5,228	1,108	410	1,034	3,434	1,011	3,025	0	38,150
2036	38,899	5,570	1,042	414	1,115	3,879	1,158	3,025	0	38,820
2037	39,353	5,888	988	418	1,193	4,329	1,310	3,025	0	39,530
2038	39,818	6,192	937	421	1,273	4,770	1,460	3,025	0	40,250
2039	40,286	6,491	877	426	1,352	5,204	1,611	3,025	0	40,980
2040	40,684	6,756	811	429	1,427	5,622	1,762	3,025	0	41,670
2041	41,083	7,026	745	433	1,506	6,026	1,906	3,025	0	42,330
2042	41,427	7,269	679	435	1,577	6,410	2,048	3,025	0	42,950
2043	41,785	7,513	623	439	1,647	6,771	2,181	3,025	0	43,540
2044	42,085	7,718	560	442	1,711	7,113	2,308	3,025	0	44,100
2045	42,391	7,917	502	445	1,771	7,422	2,427	3,025	0	44,630
2046	42,718	8,111	450	446	1,826	7,665	2,555	3,025	0	45,130
2047	42,949	8,286	403	449	1,875	7,884	2,745	3,025	0	45,590
2048	43,352	8,450	364	451	1,922	8,072	2,738	3,025	0	46,000
2049	43,698	8,620	331	454	1,964	8,228	2,808	3,025	0	46,390
2050	44,053	8,776	304	456	2,001	8,357	2,862	3,025	0	46,760
2051	44,430	8,925	278	459	2,036	8,458	2,905	3,025	0	47,120
2052	44,849	9,064	267	461	2,063	8,534	2,907	3,025	0	47,460
2053	45,159	9,212	256	464	2,093	8,588	2,943	3,025	0	47,690
2054	45,500	9,348	253	465	2,120	8,628	2,913	3,025	0	47,880

(a) - Econometric Summer Peak Demand - Reflects impacts of projected weather trends and economic growth

(b) - Table I-8b: Energy Efficiency and Codes & Standards Summer Coincident Peak Demand Reductions, Relative to 2023

(c) - Table I-9c: Solar PV Impacts, Behind-the-Meter, Total Reductions in Summer Coincident Peak Demand

(d) - Table I-10d: Non-Solar Distributed Generation Impacts, Behind-the-Meter, Total Reductions in Coincident Peak Demand

(e) - Table I-12c: Storage Impacts, Behind-the-Meter, Reductions in Coincident Peak Demand (pumped storage is not included - see Table III-2 for current resources)

(f) - Table I-11c-H: Electric Vehicle Summer Coincident Peak Demand

(g) - Table I-13b-H: Building Electrification Summer Coincident Peak Demand - future end-use electrification including heat pumps, water heating, cooking, and other end-uses

(h) - Table I-14-H: Large Loads Forecast - reflects existing plus future load growth

(i) - There are no electrolysis peak demand impacts as hydrogen production is expected to occur non-coincident with system peak electric load

(j) - Table I-3a-H: Higher Demand Scenario Summer Coincident Peak Demand Forecast

Higher Demand Scenario forecast tables: https://www.nyiso.com/library

Table I-16c: Summary of NYCA Higher Demand Scenario Winter Coincident Peak Demand Forecasts – MW

Year	(a) Econometric Peak Demand	(b) (-) EE and C&S	(c) (-) Solar PV, BTM	(d) (-) Non-Solar DG, BTM	(e) (-) BTM Storage Peak Reductions	(f) (+) EV Peak Demand	(g) (+) Building Electrification	(h) (+) Large Load Projects	(i) (+) Electrolysis	(j) =a-b-c-d-e+f+g+h+i Higher Demand Scenario Winter Peak Forecast
2024-25	24,080	349	0	351	239	313	174	422	0	24,050
2025-26	24,565	722	0	361	297	434	358	983	0	24,960
2026-27	24,645	1,065	0	367	356	642	562	1,729	0	25,790
2027-28	25,175	1,414	0	372	423	926	821	1,977	0	26,690
2028-29	25,508	1,759	0	378	492	1,278	1,196	2,257	0	27,610
2029-30	25,803	2,112	0	383	562	1,697	1,706	2,411	0	28,560
2030-31	25,979	2,470	0	388	638	2,161	2,384	2,622	0	29,650
2031-32	26,253	2,840	0	392	714	2,671	3,245	2,737	0	30,960
2032-33	26,236	3,221	0	397	794	3,213	4,651	2,852	0	32,540
2033-34	26,276	3,602	0	402	871	3,774	6,208	2,967	0	34,350
2034-35	26,895	3,974	0	406	953	4,360	7,452	2,996	0	36,370
2035-36	26,904	4,338	0	410	1,034	4,959	9,464	3,025	0	38,570
2036-37	27,183	4,693	0	414	1,115	5,553	11,311	3,025	0	40,850
2037-38	27,442	5,051	0	418	1,193	6,137	13,318	3,025	0	43,260
2038-39	28,105	5,416	0	421	1,273	6,705	15,005	3,025	0	45,730
2039-40	28,120	5,782	0	426	1,352	7,262	17,513	3,025	0	48,360
2040-41	28,633	6,149	0	429	1,427	7,788	19,539	3,025	0	50,980
2041-42	28,955	6,508	0	433	1,506	8,296	21,691	3,025	0	53,520
2042-43	29,329	6,871	0	435	1,577	8,775	23,574	3,025	0	55,820
2043-44	29,598	7,227	0	439	1,647	9,211	25,389	3,025	0	57,910
2044-45	29,986	7,569	0	442	1,711	9,613	26,868	3,025	0	59,770
2045-46	30,327	7,907	0	445	1,771	9,981	28,260	3,025	0	61,470
2046-47	30,712	8,249	0	446	1,826	10,257	29,447	3,025	0	62,920
2047-48	31,214	8,587	0	449	1,875	10,495	30,317	3,025	0	64,140
2048-49	31,822	8,919	0	451	1,922	10,695	30,850	3,025	0	65,100
2049-50	32,323	9,251	0	454	1,964	10,855	31,336	3,025	0	65,870
2050-51	32,803	9,565	0	456	2,001	10,984	31,670	3,025	0	66,460
2051-52	33,455	9,871	0	459	2,036	11,081	31,725	3,025	0	66,920
2052-53	34,041	10,171	0	461	2,063	11,151	31,758	3,025	0	67,280
2053-54	34,507	10,480	0	464	2,093	11,195	31,830	3,025	0	67,520
2054-55	34,908	10,781	0	465	2,120	11,241	31,862	3,025	0	67,670

(a) - Econometric Winter Peak Demand - Reflects impacts of projected weather trendsand economic growth

(b) - Table I-8c: Energy Efficiency and Codes & Standards Winter Coincident Peak Demand Reductions, Relative to 2023-24

(c) - The forecast of solar PV-related reductions to the winter peak is zero because the system typically peaks after sunset

(d) - Table I-10c: Non-Solar Distributed Generation Impacts, Behind-the-Meter, Total Reductions in Coincident Peak Demand

(e) - Table I-12c: Storage Impacts, Behind-the-Meter, Reductions in Coincident Peak Demand (pumped storage is not included - see Table III-2 for current resources)

(f) - Table I-11d-H: Electric Vehicle Winter Coincident Peak Demand

(g) - Table I-13c-H: Building Electrification Winter Coincident Peak Demand - future end-use electrification including heat pumps, water heating, cooking, and other end-uses

(h) - Table I-14-H: Large Loads Forecast - reflects existing plus future load growth

(i) - There are no electrolysis peak demand impacts as hydrogen production is expected to occur non-coincident with system peak electric load

(j) - Table I-3b-H: Higher Demand Scenario Winter Coincident Peak Demand Forecast

Higher Demand Scenario forecast tables: https://www.nyiso.com/library

Table I-17a: Summary of NYCA Policy Scenario Annual Energy Forecasts – GWh

Reflects Achievement of State Policy Targets

Year	(a) Econometric Energy	(b) (-) EE and C&S	(c) (-) Solar PV, BTM	(d) (-) Non-Solar DG, BTM	(e) (+) Storage Net Energy Consumption	(f) (+) EV Energy	(g) (+) Building Electrification	(h) (+) Large Load Projects	(i) (+) Electrolysis	(j) =a-b-c-d+e+f+g+h+i Policy Scenario Annual Energy Forecast
2024	156,916	3,750	6,285	2,013	115	1,203	254	2,860	0	149,300
2025	157,576	7,810	7,402	2,068	247	1,802	1,135	4,960	0	148,440
2026	157,888	11,830	8,459	2,101	352	2,616	2,204	8,670	0	149,340
2027	158,426	15,810	9,448	2,133	618	3,707	3,500	10,930	0	149,790
2028	160,292	19,580	10,329	2,164	713	5,027	5,061	11,770	0	150,790
2029	161,193	23,090	11,089	2,193	810	6,581	6,773	12,850	1,105	152,940
2030	161,744	26,110	11,723	2,222	907	8,392	8,841	14,330	2,311	156,470
2031	163,541	28,920	12,238	2,251	995	10,429	11,223	15,130	3,501	161,410
2032	165,519	31,600	12,652	2,278	1,080	12,698	14,021	15,940	4,662	167,390
2033	167,277	34,080	12,990	2,306	1,171	15,244	17,261	16,740	5,783	174,100
2034	169,126	36,420	13,252	2,329	1,259	18,092	20,767	17,150	6,907	181,300
2035	170,635	38,660	13,497	2,352	1,347	21,277	24,803	17,150	8,227	188,930
2036	171,654	40,730	13,750	2,375	1,434	24,455	29,303	17,150	9,929	197,070
2037	172,317	42,660	13,974	2,396	1,524	27,598	34,087	17,150	12,204	205,850
2038	172,656	44,550	14,185	2,419	1,613	30,689	39,255	17,150	14,861	215,070
2039	172,839	46,400	14,384	2,442	1,700	33,693	44,759	17,150	17,605	224,520
2040	173,242	48,360	14,555	2,461	1,788	36,589	50,258	17,150	20,139	233,790
2041	173,744	50,310	14,722	2,480	1,881	39,349	55,686	17,150	22,372	242,670
2042	174,275	52,240	14,870	2,498	1,971	41,961	60,942	17,150	24,429	251,120
2043	174,694	53,930	15,005	2,517	2,062	44,417	65,786	17,150	26,383	259,040
2044	175,266	55,650	15,130	2,537	2,148	46,710	70,106	17,150	28,247	266,310
2045	175,893	57,370	15,245	2,550	2,239	48,809	73,902	17,150	29,912	272,740
2046	176,663	59,040	15,352	2,562	2,327	50,694	77,010	17,150	31,350	278,240
2047	177,655	60,850	15,444	2,576	2,413	52,338	79,534	17,150	32,620	282,840
2048	178,499	62,670	15,544	2,589	2,500	53,743	81,689	17,150	33,792	286,570
2049	179,609	64,420	15,628	2,603	2,583	54,905	83,088	17,150	34,906	289,590
2050	180,473	66,170	15,696	2,615	2,667	55,879	84,315	17,150	35,957	291,960
2051	181,617	67,950	15,769	2,628	2,749	56,522	85,172	17,150	36,967	293,830
2052	182,529	69,710	15,840	2,642	2,831	56,976	85,925	17,150	37,951	295,170
2053	183,403	71,420	15,905	2,655	2,911	57,286	86,314	17,150	38,936	296,020
2054	184,162	73,130	15,950	2,668	2,995	57,596	86,643	17,150	39,672	296,470

(a) - Econometric Energy Forecast - Reflects impacts of projected weather trends and economic growth
(b) - Table I-8a-P: Energy Efficiency and Codes & Standards Energy Impacts, Relative to 2023
(c) - Table I-9b: Solar PV Impacts, Behind-the-Meter - Total Reductions in Annual Energy
(d) - Table I-10b: Non-Solar Distributed Generation Impacts, Behind-the-Meter - Total Reductions in Annual Energy
(e) - Table I-12b: Storage Annual Net Energy Consumption, both wholesale and behind-the-meter (pumped storage is not included - see Table III-2 for current resources)
(f) - Table I-11b-P: Electric Vehicle Energy Usage
(g) - Table I-13a-P: Building Electrification Energy Usage - future end-use electrification including heat pumps, water heating, cooking, and other end-uses
(h) - Table I-14: Large Loads Forecast - reflects existing plus future load growth
(i) - Table I-22-P: Electrolysis Annual Energy Impacts
(j) - Table I-2-P: Policy Scenario Annual Energy Forecast

Policy Scenario forecast tables: https://www.nyiso.com/library

Table I-17b: Summary of NYCA Higher Demand Scenario Summer Coincident Peak Demand Forecasts – MW

Reflects Achievement of State Policy Targets

Year	(a) Econometric Peak Demand	(b) (-) EE and C&S	(c) (-) Solar PV, BTM	(d) (-) Non-Solar DG, BTM	(e) (-) BTM Storage Peak Reductions	(f) (+) EV Peak Demand	(g) (+) Building Electrification	(h) (+) Large Load Projects	(i) (+) Electrolysis	(j) =a-b-c-d-e+f+g+h+i Policy Scenario Summer Peak Forecast
2024	33,525	560	1,505	351	239	169	13	368	0	31,420
2025	33,803	1,290	1,503	361	297	253	45	630	0	31,280
2026	33,930	2,040	1,496	367	356	367	91	1,091	0	31,220
2027	34,158	2,860	1,482	372	423	533	157	1,409	0	31,120
2028	34,511	3,650	1,469	378	492	750	229	1,529	0	31,030
2029	34,803	4,400	1,439	383	562	1,004	314	1,683	0	31,020
2030	34,959	4,990	1,394	388	638	1,283	414	1,894	0	31,140
2031	35,261	5,530	1,342	392	714	1,593	525	2,009	0	31,410
2032	35,629	6,070	1,282	397	794	1,914	646	2,124	0	31,770
2033	35,967	6,570	1,224	402	871	2,243	778	2,239	0	32,160
2034	36,322	7,050	1,168	406	953	2,577	921	2,297	0	32,540
2035	36,670	7,490	1,108	410	1,034	2,913	1,072	2,297	0	32,910
2036	36,993	7,910	1,042	414	1,115	3,243	1,228	2,297	0	33,280
2037	37,302	8,300	988	418	1,193	3,571	1,389	2,297	0	33,660
2038	37,649	8,660	937	421	1,273	3,885	1,550	2,297	0	34,090
2039	38,054	9,050	877	426	1,352	4,181	1,713	2,297	0	34,540
2040	38,261	9,200	811	429	1,427	4,459	1,870	2,297	0	35,020
2041	38,467	9,310	745	433	1,506	4,736	2,024	2,297	0	35,530
2042	38,624	9,370	679	435	1,577	4,998	2,172	2,297	0	36,030
2043	38,849	9,490	623	439	1,647	5,235	2,318	2,297	0	36,500
2044	38,911	9,490	560	442	1,711	5,457	2,448	2,297	0	36,910
2045	39,036	9,590	502	445	1,771	5,650	2,575	2,297	0	37,250
2046	39,223	9,820	450	446	1,826	5,766	2,716	2,297	0	37,460
2047	39,287	10,040	403	449	1,875	5,855	2,928	2,297	0	37,600
2048	39,524	10,250	364	451	1,922	5,920	2,906	2,297	0	37,660
2049	39,665	10,450	331	454	1,964	5,958	2,979	2,297	0	37,700
2050	39,853	10,680	304	456	2,001	5,976	3,035	2,297	0	37,720
2051	40,034	10,880	278	459	2,036	5,996	3,086	2,297	0	37,760
2052	40,216	11,030	267	461	2,063	5,995	3,083	2,297	0	37,770
2053	40,426	11,240	256	464	2,093	5,981	3,129	2,297	0	37,780
2054	40,715	11,450	253	465	2,120	5,951	3,095	2,297	0	37,770

(a) - Econometric Summer Peak Demand - Reflects impacts of projected weather trends and economic growth

(b) - Table I-8b-P: Energy Efficiency and Codes & Standards Summer Coincident Peak Demand Reductions, Relative to 2023

(c) - Table I-9c: Solar PV Impacts, Behind-the-Meter, Total Reductions in Summer Coincident Peak Demand

(d) - Table I-10d: Non-Solar Distributed Generation Impacts, Behind-the-Meter, Total Reductions in Coincident Peak Demand

(e) - Table I-12c: Storage Impacts, Behind-the-Meter, Reductions in Coincident Peak Demand (pumped storage is not included - see Table III-2 for current resources)

(f) - Table I-11c-P: Electric Vehicle Summer Coincident Peak Demand

(g) - Table I-13b-P: Building Electrification Summer Coincident Peak Demand - future end-use electrification including heat pumps, water heating, cooking, and other end-uses

(h) - Table I-14: Large Loads Forecast - reflects existing plus future load growth

(i) - There are no electrolysis peak demand impacts as hydrogen production is expected to occur non-coincident with system peak electric load

(j) - Table I-3a-P: Policy Scenario Summer Coincident Peak Demand Forecast

Policy Scenario forecast tables: https://www.nyiso.com/library

Table I-16c: Summary of NYCA Policy Scenario Winter Coincident Peak Demand Forecasts – MW

Reflects Achievement of State Policy Targets

Year	(a) Econometric Peak Demand	(b) (-) EE and C&S	(c) (-) Solar PV, BTM	(d) (-) Non-Solar DG, BTM	(e) (-) BTM Storage Peak Reductions	(f) (+) EV Peak Demand	(g) (+) Building Electrification	(h) (+) Large Load Projects	(i) (+) Electrolysis	(j) =a-b-c-d-e+f+g+h+i Policy Scenario Winter Peak Forecast
2024-25	23,921	470	0	351	239	313	174	372	0	23,720
2025-26	24,152	1,050	0	361	297	434	369	783	0	24,030
2026-27	24,348	1,670	0	367	356	630	584	1,201	0	24,370
2027-28	24,662	2,270	0	372	423	895	859	1,409	0	24,760
2028-29	24,958	2,890	0	378	492	1,218	1,255	1,529	0	25,200
2029-30	25,096	3,460	0	383	562	1,593	1,783	1,683	0	25,750
2030-31	25,141	4,000	0	388	638	1,996	2,485	1,894	0	26,490
2031-32	25,309	4,490	0	392	714	2,425	3,373	2,009	0	27,520
2032-33	25,143	5,030	0	397	794	2,869	4,895	2,124	0	28,810
2033-34	25,067	5,560	0	402	871	3,315	6,562	2,239	0	30,350
2034-35	25,619	6,070	0	406	953	3,761	7,822	2,297	0	32,070
2035-36	25,524	6,600	0	410	1,034	4,207	9,986	2,297	0	33,970
2036-37	25,706	7,160	0	414	1,115	4,646	11,930	2,297	0	35,890
2037-38	25,845	7,730	0	418	1,193	5,065	14,054	2,297	0	37,920
2038-39	26,520	8,340	0	421	1,273	5,459	15,778	2,297	0	40,020
2039-40	26,420	8,940	0	426	1,352	5,836	18,505	2,297	0	42,340
2040-41	26,812	9,370	0	429	1,427	6,180	20,647	2,297	0	44,710
2041-42	26,983	9,740	0	433	1,506	6,525	22,954	2,297	0	47,080
2042-43	27,224	10,070	0	435	1,577	6,842	24,959	2,297	0	49,240
2043-44	27,336	10,370	0	439	1,647	7,123	26,900	2,297	0	51,200
2044-45	27,556	10,650	0	442	1,711	7,375	28,465	2,297	0	52,890
2045-46	27,719	11,040	0	445	1,771	7,602	29,958	2,297	0	54,320
2046-47	28,030	11,590	0	446	1,826	7,712	31,233	2,297	0	55,410
2047-48	28,420	12,180	0	449	1,875	7,794	32,163	2,297	0	56,170
2048-49	28,924	12,770	0	451	1,922	7,842	32,720	2,297	0	56,640
2049-50	29,256	13,340	0	454	1,964	7,863	33,252	2,297	0	56,910
2050-51	29,588	13,900	0	456	2,001	7,855	33,627	2,297	0	57,010
2051-52	30,089	14,440	0	459	2,036	7,855	33,684	2,297	0	56,990
2052-53	30,551	15,000	0	461	2,063	7,835	33,721	2,297	0	56,880
2053-54	30,972	15,540	0	464	2,093	7,795	33,803	2,297	0	56,770
2054-55	31,381	15,990	0	465	2,120	7,753	33,834	2,297	0	56,690

(a) - Econometric Winter Peak Demand - Reflects impacts of projected weather trendsand economic growth

(b) - Table I-8c-P: Energy Efficiency and Codes & Standards Winter Coincident Peak Demand Reductions, Relative to 2023-24

(c) - The forecast of solar PV-related reductions to the winter peak is zero because the system typically peaks after sunset

(d) - Table I-10c: Non-Solar Distributed Generation Impacts, Behind-the-Meter, Total Reductions in Coincident Peak Demand

(e) - Table I-12c: Storage Impacts, Behind-the-Meter, Reductions in Coincident Peak Demand (pumped storage is not included - see Table III-2 for current resources)

(f) - Table I-11d-P: Electric Vehicle Winter Coincident Peak Demand

(g) - Table I-13c-P: Building Electrification Winter Coincident Peak Demand - future end-use electrification including heat pumps, water heating, cooking, and other end-uses

(h) - Table I-14: Large Loads Forecast - reflects existing plus future load growth

(i) - There are no electrolysis peak demand impacts as hydrogen production is expected to occur non-coincident with system peak electric load

(j) - Table I-3b-P: Policy Scenario Winter Coincident Peak Demand Forecast

Policy Scenario forecast tables: https://www.nyiso.com/library

Table I-18: Projection of SCR and EDRP Enrollment

Special Case Resources - MW

Zone	Summer	Winter
A	230.6	261.1
B	29.5	22.4
C	79.7	60.1
D	225.1	234.8
E	30.3	39.1
F	123.8	73.5
G	40.2	22.0
H	11.6	8.2
I	32.7	21.3
J	442.2	242.6
K	35.3	19.7
NYCA	1,281.0	1,004.8

Emergency Demand Response Program - MW

Zone	Summer	Winter
A	0.0	0.1
B	0.0	0.0
C	0.0	0.0
D	0.2	0.0
E	0.0	0.0
F	0.0	0.0
G	0.0	0.0
H	0.2	0.2
I	1.2	0.0
J	11.8	0.0
K	0.0	0.0
NYCA	13.4	0.3

Note: SCR and EDRP values are based on the projected enrollment for Summer 2024 and Winter 2024-25.
Projected SCR enrollment is assumed to remain constant through the 2034-35 Capability Year in Table V-2.

Table I-19: Historical NYCA System Peak Demand

New York Control Area System Coincident Peaks

Summer Coincident Peak Dates & Times

May 1 through October 31

Year	Date	Hour Beginning	Summer Peak MW
1997	7/15/1997	14	28,699
1998	7/22/1998	16	28,161
1999	7/6/1999	13	30,311
2000	6/26/2000	16	28,138
2001	8/9/2001	14	30,982
2002	7/29/2002	16	30,664
2003	6/26/2003	16	30,333
2004	6/9/2004	16	28,433
2005	7/26/2005	16	32,075
2006	8/2/2006	13	33,939
2007	8/8/2007	16	32,169
2008	6/9/2008	16	32,432
2009	8/17/2009	15	30,844
2010	7/6/2010	16	33,452
2011	7/22/2011	15	33,865
2012	7/17/2012	16	32,439
2013	7/19/2013	16	33,956
2014	9/2/2014	15	29,782
2015	7/29/2015	16	31,138
2016	8/11/2016	16	32,076
2017	7/19/2017	17	29,699
2018	8/29/2018	16	31,861
2019	7/20/2019	16	30,397
2020	7/27/2020	17	30,660
2021*	6/29/2021	17	30,919
2022	7/20/2022	17	30,505
2023^	9/6/2023	17	30,206

Winter Coincident Peak Dates & Times

November 1 through following April 30

Year	Date	Hour Beginning	Winter Peak MW
1997 - 98	12/10/1997	17	22,445
1998 - 99	1/14/1999	17	23,878
1999 - 00	1/18/2000	17	24,041
2000 - 01	12/13/2000	17	23,774
2001 - 02	4/18/2002	16	23,713
2002 - 03	1/23/2003	18	24,454
2003 - 04	1/15/2004	18	25,262
2004 - 05	12/20/2004	17	25,541
2005 - 06	12/14/2005	18	25,060
2006 - 07	2/5/2007	17	25,057
2007 - 08	1/3/2008	18	25,021
2008 - 09	12/22/2008	17	24,673
2009 - 10	12/17/2009	17	24,074
2010 - 11	12/14/2010	17	24,654
2011 - 12	1/3/2012	17	23,901
2012 - 13	1/24/2013	18	24,658
2013 - 14	1/7/2014	18	25,738
2014 - 15	1/7/2015	18	24,648
2015 - 16	1/19/2016	18	23,317
2016 - 17	12/15/2016	17	24,164
2017 - 18	1/5/2018	17	25,081
2018 - 19	1/21/2019	18	24,728
2019 - 20	12/19/2019	17	23,253
2020 - 21	12/16/2020	17	22,542
2021 - 22	1/11/2022	17	23,369
2022 - 23	2/3/2023	18	23,369
2023 - 24	1/17/2024	18	22,754

Note: Record peaks are highlighted.

Note: Peak hours are reported as hour beginning (e.g., if the peak occurs during the 4 to 5 PM hour, the hour beginning value is 16).

Note: Beginning in 2021, the peak hour for purposes of the ICAP market weather normalization and forecast is constrained to July and August non-holiday weekdays.

* The ICAP market peak hour in 2021 was 8/26/2021, hour beginning 16 (30,309 MW).

^ The ICAP market peak hour in 2023 was 7/28/2023, hour beginning 17 (28,735 MW).

Note: Values reflect NYISO operational data metered peak load, before weather normalization and demand response addbacks.

Table I-20: Weather Normalized Annual Energy and Seasonal Peak Demand

Historical System Weather Normalized Values

Year	Weather Normalized Energy (GWh)
2003	158,141
2004	160,843
2005	164,105
2006	163,200
2007	165,922
2008	166,950
2009	161,680
2010	161,838
2011	163,123
2012	163,081
2013	163,610
2014	161,113
2015	160,352
2016	159,203
2017	156,747
2018	158,435
2019	155,848
2020	150,310
2021	152,147
2022	152,058
2023	149,518

Summer	Weather Normalized Peak (MW)
2003	31,410
2004	31,400
2005	33,068
2006	32,992
2007	33,444
2008	33,670
2009	33,063
2010	32,453
2011	33,019
2012	33,106
2013	33,497
2014	33,291
2015	33,226
2016	33,225
2017	32,914
2018	32,512
2019	32,357
2020	31,723
2021	31,528
2022	31,709
2023	31,288

Winter	Weather Normalized Peak (MW)
2003 - 04	24,900
2004 - 05	25,250
2005 - 06	24,770
2006 - 07	25,030
2007 - 08	25,490
2008 - 09	25,016
2009 - 10	24,537
2010 - 11	24,452
2011 - 12	24,630
2012 - 13	24,630
2013 - 14	24,610
2014 - 15	24,500
2015 - 16	24,220
2016 - 17	24,416
2017 - 18	24,265
2018 - 19	24,114
2019 - 20	24,123
2020 - 21	23,890
2021 - 22	23,708
2022 - 23	23,674
2023 - 24	23,370

Note: Historical summer peak weather normalized values are from the ICAP forecast process, and include estimated demand response impacts added back. The NYCA aggregate design weather condition is 57th percentile summer peak day weather.

Note: Weather normalized annual energy values for all prior years have been calculated using the current methodology, and may differ slightly from values reported in prior Gold Books.

Table I-21: Historical NYCA Peak Day Weather Distributions

Summer NYCA Peak Day Temperature - Daily Average (deg F)

Weather	A	B	C	D	E	F	G	H	I	J	K	NYCA
10th	75	75	75	73	74	77	79	79	80	82	78	79
Baseline	79	80	79	78	78	81	83	84	85	87	83	83
90th	83	84	83	83	81	84	86	87	87	90	87	86
99th	87	88	86	87	84	87	89	90	90	93	91	89

Summer NYCA Peak Day Temperature - Daily Maximum (deg F)

Weather	A	B	C	D	E	F	G	H	I	J	K	NYCA
10th	83	85	86	83	85	87	89	89	88	89	87	87
Baseline	88	90	90	88	89	92	94	94	95	95	92	92
90th	92	94	95	94	93	96	97	98	98	98	98	95
99th	96	98	99	99	97	100	100	102	102	102	103	99

Summer NYCA Peak Day Temperature - Daily Maximum Wet Bulb (deg F)

Weather	A	B	C	D	E	F	G	H	I	J	K	NYCA
10th	72	73	72	72	73	73	74	74	74	75	75	74
Baseline	75	76	75	75	76	76	77	77	77	77	78	76
90th	77	78	77	78	78	79	80	79	80	79	81	78
99th	79	81	79	81	81	81	82	82	82	81	83	80

Note: Wet bulb temperature includes humidity impacts.

Winter NYCA Peak Day Temperature - Daily Average (deg F)

Weather	A	B	C	D	E	F	G	H	I	J	K	NYCA
10th	20	19	19	15	17	20	24	25	26	28	28	24
Baseline	11	10	9	3	7	10	13	15	14	17	20	14
90th	2	1	0	-8	-3	0	5	8	9	11	11	6
99th	-6	-6	-8	-18	-12	-8	-2	0	1	4	4	-1

Winter NYCA Peak Day Temperature - Daily Minimum (deg F)

Weather	A	B	C	D	E	F	G	H	I	J	K	NYCA
10th	14	13	13	8	11	14	18	20	21	24	23	19
Baseline	5	4	3	-4	0	3	7	9	8	11	14	8
90th	-4	-4	-7	-16	-11	-7	-1	1	2	5	5	0
99th	-11	-11	-16	-26	-20	-16	-9	-7	-5	-2	-3	-7

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Section II

Changes in Generating Facilities & Generation Since the 2023 *Gold Book*

New York ISO

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Section II

This section provides an overview of significant changes in generating facilities since the 2023 *Gold Book* was issued, together with a summary of changes in energy generation in the past year. This information is presented in two steps. Reported first is the net change from the existing generation reported in the 2023 Gold Book, which is an increase of 205.3 MW[13] of summer capability. Second, any additional generation changes expected to occur prior to summer 2024 are reported, which is an increase of 636.2 MW, excluding changes in Special Case Resources and Net Purchases. This results in a total capacity increase of 841.5 MW from existing summer capability reported in the 2023 Gold Book to the expected capability for NYCA generating facilities for summer of 2024. All generator capacity values listed in this section are DMNC.

Changes in Existing Generation Since the 2023 *Gold Book*

The existing summer 2024 NYCA installed generating capacity of 37,374.9 MW increased by 197.0 MW from the existing summer 2023 generating capacity reported in the 2023 *Gold Book* of 37,177.9 MW, as shown in Table II-1a. The winter 2024-25 NYCA installed generating capacity of 39,704.8 MW decreased by 78.1 MW from the existing winter 2023-24 generating capacity of 39,782.9 MW reported in the 2023 *Gold Book*, as shown in Table II-1b.

Table II-1a: Summary of Changes in Summer Capacity Since 2023 – MW

Generator Fuel Types	2023 Capacity	Reductions	Additions & Uprates	Reclassi-fications	Ratings Changes	2024 Capacity
Gas	4,591.9	0.0	0.0	0.0	69.8	4,661.7
Oil	1,994.5	-59.1	0.0	0.0	18.7	1,954.1
Gas & Oil	19,079.5	-431.7	0.0	0.0	35.1	18,682.9
Nuclear	3,304.6	0.0	0.0	0.0	25.8	3,330.4
Hydro	4,265.3	-3.3	0.0	0.0	12.1	4,274.1
Wind	2,050.6	0.0	402.9	0.0	0.0	2,453.5
Solar	154.4	0.0	100.0	0.0	0.0	254.4
Energy Storage	1,407.4	0.0	20.0	0.0	2.4	1,429.8
Other	329.7	0.0	0.0	0.0	4.3	334.0
Total	37,177.9	--494.1	522.9	0.0	168.2	37,374.9

[13] All values in this section have been rounded to the 0.1 MW. This may result in slight numerical differences as compared to values reported in other sections of this report.

Since the publication of the 2023 *Gold Book*, ten generating units totaling 522.9 MW of summer and winter capacity have been added. Eighteen units that have been removed from the listing of existing units[14] totaling 494.1 MW of summer capacity and 638.4 MW of winter capacity. There were no reclassifications of generators from one fuel type to another since the 2023 *Gold Book*. Finally, capability (or ratings) changes in existing generators resulted in a net increase of 168.2 MW in summer and a net increase of 37.4 MW in winter.

Table II-1b: Summary of Changes in Winter Capacity Since 2023 – MW

Generator Fuel Types	2023-24 Capacity	Reductions	Additions & Uprates	Reclassi-fications	Ratings Changes	2024-25 Capacity
Gas	5,067.6	-0.0	0.0	0.0	31.1	5,098.7
Oil	2,304.5	-71.6	0.0	0.0	-18.9	2,214.0
Gas & Oil	20,900.0	--563.5	0.0	0.0	6.7	20,343.2
Nuclear	3,355.8	0.0	0.0	0.0	-1.2	3,354.6
Hydro	4,207.2	-3.3	0.0	0.0	21.1	4,225.0
Wind	2,050.6	0.0	402.9	0.0	0.0	2,453.5
Solar	154.4	0.0	100.0	0.0	0.0	254.4
Energy Storage	1,407.6	0.0	20.0	0.0	1.8	1,429.4
Other	335.2	0.0	0.0	0.0	-3.2	332.0
Total	39,782.9	-638.4	522.9	0.0	37.4	39,704.8

The "Gas & Oil" fuel type is identified based upon whether or not environmental permits, pipeline connections, regulatory compliance requirements, and/or storage tanks, as appropriate, are in place to allow for the use of the fuel(s) listed for each generating unit in Table III-2. The fuel type selection is not meant to provide any information on current fuel inventory. It should be noted that maximum capabilities on secondary fuels may be limited.

Generator ratings are updated semi-annually for the summer and winter capability periods. Additional information on existing generation is provided in Section III. The NYISO also reports generator status changes each month on our website at: https://www.nyiso.com/ny-power-system-information-outlook.

[14] Deactivations include units in an ICAP Ineligible Forced Outage ("IIFO") state that have been removed from Table III-2.

Proposed Changes to Generation for Summer 2024

Proposed generator additions result in an increase of 776.0 MW for the summer capability period. Proposed generator deactivations result in a decrease 144.9 MW for the summer, resulting in an overall increase of 631.1 MW, as shown in Table V-2a.

Demand Response Resources for Summer 2024 and Winter 2024-25

The projected 2024 summer capability for SCR is 1,281.0 MW. The projected summer 2024 enrollment for the EDRP is 13.4 MW. For winter 2024-25, the SCR total is 1,004.8 MW and the EDRP enrollment is 0.3 MW.

Total Resource Capability for Summer 2024 and Winter 2024-25

The total resource capability forecast for the 2024 summer capability period is 40,871.7 MW. This value is the sum of existing facilities (37,374.9 MW), Special Case Resources (1,281.0 MW), net generation additions[15] and deactivations (631.1 MW) and net purchases from external areas (1,584.7 MW). This is an increase of 610.1 MW from the 2023 value of 40,261.6 MW projected in the 2023 *Gold Book*.

For the winter capability period, the forecasted total resource capability is 44,326.3 MW. This value is the sum of existing facilities (39,704.8 MW), Special Case Resources (1,004.8 MW), net generation additions and deactivations (2,857.7 MW), and net purchases from external areas (759.0 MW). This is an increase of 1,780.6 MW from the 2023-2024 value of 42,545.7 MW projected in the 2023 *Gold Book*.

Summary of 2023 Energy Generation

In 2023, a total of 124,153 GWh was generated in the NYCA, a decrease of 1.2% from the 125,691 GWh generated in 2022. Renewable energy generation was 35,770 GWh in 2023 (28.7% of total NYCA generation), compared to 34,658 GWh in 2022 (27.5%). Fossil-fueled energy generation in 2023 was 61,229 GWh (49.2%), compared to 64,603 GWh in 2022 (51.2%). Nuclear energy generation was 27,522 GWh in 2023 (22.1%), compared to 26,883 GWh in 2022 (21.3%). Net energy storage generation (injections less withdrawals) increased by 84.5 GWh from 2022 to 2023; from -452.5 GWh to -368.0 GWh.

[15] Expected additions include projects that have either completed a Class Year Interconnection Facilities Study or an Interconnection Agreement for Non Class Year Generators, as shown in Table IV-1.

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Section III

Existing Generating Facilities

New York ISO

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Section III

This section lists existing generating resources operating in the NYCA as of March 15, 2024. Table III-2 reports information on generator ownership, location, in-service date, fuels used, and generator type. It includes values for nameplate rating, NYISO summer and winter Capacity Resource Interconnection Service (CRIS) MW values[16] for generators, summer and winter capability, and net energy generated during the preceding calendar year. Generator facilities that have been deactivated since the publication of the 2023 *Gold Book* remain listed in Table III-2 for one year. Table III-2a reports this information for generators that participate in the NYISO's markets, while Table III-2b reports applicable information for generators that do not participate in the NYISO's markets, such as generators that operate solely as load modifiers. Generators are listed by zone, and generally by PTID number and/or station-unit name. Net energy values reported for battery storage, flywheel, and pumped storage resources reflect aggregate net injections (energy supplied to the grid less energy drawn from the grid).

The values for the Summer Capability Period in this *Gold Book* reflect the most recent DMNC values available. The 2024 Summer Installed Capacity market will generally use DMNC values taken from the 2023 Summer Capability Period. The Winter Capability Period values represent the most recent DMNC values demonstrated during a Winter Capability Period. The 2024-25 Winter Installed Capacity Market will generally use DMNC values taken from the 2023-24 Winter Capability Period.

Units are classified as dual-fuel (gas & oil) when environmental permits, pipeline connections, regulatory compliance requirements, and/or storage tanks allow for the use of the Type 2 fuel listed for each generating unit in Table III-2. Generators may choose the fuel type when conducting their DMNC test. The fuel type selection is not meant to provide any information on current fuel inventories, nor does it indicate which of the fuels generators might consider as their primary fuel. The NYISO does not report the DMNC for generation with alternate fuels for the following reasons: (1) the NYISO does not currently require a DMNC test on alternate fuels, (2) alternate fuel inventories are unit-specific, and (3) permit capabilities do not necessarily reflect unit performance.

Table III-3c provides the amount of energy generated in the state, and Table III-3d provides the amount of NYCA net energy interchange scheduled with other control areas.

[16] CRIS values, in MW of Installed Capacity, for the Summer Capability Period are established pursuant to applicable procedures contained in Attachments X, S and Z to the NYISO OATT.

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Table III-1: Existing Generating Facilities Codes and Abbreviations

FUEL TYPE		UNIT TYPE	
BAT	Battery	CC	Combined Cycle
BUT	Butane	CG	Cogeneration
FO2	No. 2 Fuel Oil	CT	Combustion Turbine Portion (CC)
FO4	No. 4 Fuel Oil	CW	Waste Heat Only (CC)
FO6	No. 6 Fuel Oil	ES	Energy Storage
FW	Fly Wheel	FC	Fuel Cell
JF	Jet Fuel	GT	Combustion Turbine
KER	Kerosene	HY	Conventional Hydro
MTE	Methane (Bio Gas)	IC	Internal Combustion
NG	Natural Gas	JE	Jet Engine
OT	Other (Describe in Footnote)	NB	Steam (BWR Nuclear)
REF	Refuse (Solid Waste)	NP	Steam (PWR Nuclear)
SUN	Sunlight	PS	Pumped Storage Hydro
UR	Uranium	PV	Photovoltaic
WAT	Water	ST	Steam Turbine (Fossil)
WD	Wood and/or Wood Waste	WT	Wind Turbine
WND	Wind		

COUNTY CODES
NEW YORK - NY - 36

001 - Albany	063 - Niagara
003 - Allegany	065 - Oneida
005 - Bronx	067 - Onondaga
007 - Broome	069 - Ontario
009 - Cattaraugus	071 - Orange
011 - Cayuga	073 - Orleans
013 - Chautauqua	075 - Oswego
015 - Chemung	077 - Otsego
017 - Chenango	079 - Putnam
019 - Clinton	081 - Queens
021 - Columbia	083 - Rensselaer
023 - Cortland	085 - Richmond
025 - Delaware	087 - Rockland
027 - Dutchess	089 - St Lawrence
029 - Erie	091 - Saratoga
031 - Essex	093 - Schenectady
033 - Franklin	095 - Schoharie
035 - Fulton	097 - Schuyler
037 - Genesee	099 - Seneca
039 - Greene	101 - Steuben
041 - Hamilton	103 - Suffolk
043 - Herkimer	105 - Sullivan
045 - Jefferson	107 - Tioga
047 - Kings	109 - Tompkins
049 - Lewis	111 - Ulster
051 - Livingston	113 - Warren
053 - Madison	115 - Washington
055 - Monroe	117 - Wayne
057 - Montgomery	119 - Westchester
059 - Nassau	121 - Wyoming
061 - New York	123 - Yates

COUNTY CODES
PENNSYLVANIA - PA - 42

001 - Adams	067 - Juniata
003 - Allegheny	069 - Lackawanna
005 - Armstrong	071 - Lancaster
007 - Beaver	073 - Lawrence
009 - Bedford	075 - Lebanon
011 - Berks	077 - Lehigh
013 - Blair	079 - Luzerne
015 - Bradford	081 - Lycoming
017 - Bucks	083 - McKean
019 - Butler	085 - Mercer
021 - Cambria	087 - Mifflin
023 - Cameron	089 - Monroe
025 - Carbon	091 - Montgomery
027 - Centre	093 - Montour
029 - Chester	095 - Northhampton
031 - Clarion	097 - Northumberland
033 - Clearfield	099 - Perry
035 - Clinton	101 - Philadelphia
037 - Columbia	103 - Pike
039 - Crawford	105 - Potter
041 - Cumberland	107 - Schuylkill
043 - Dauphin	109 - Snyder
045 - Delaware	111 - Somerset
047 - Elk	113 - Sullivan
049 - Erie	115 - Susquehanna
051 - Fayette	117 - Tioga
053 - Forest	119 - Union
055 - Franklin	121 - Venango
057 - Fulton	123 - Warren
059 - Greene	125 - Washington
061 - Huntingdon	127 - Wayne
063 - Indiana	129 - Westmoreland
065 - Jefferson	131 - Wyoming
	133 - York

COUNTY CODES
MASSACHUSETTS - MA - 25

001 - Barnstable
003 - Berkshire
005 - Bristol
007 - Dukes
009 - Essex
011 - Franklin
013 - Hampden
015 - Hampshire
017 - Middlesex
019 - Nantucket
021 - Norfolk
023 - Plymouth
025 - Suffolk
027 - Worcester

COUNTY CODES
NEW JERSEY - NJ - 34

001 - Atlantic
003 - Bergen
005 - Burlington
007 - Camden
009 - Cape May
011 - Cumberland
013 - Essex
015 - Gloucester
017 - Hudson
019 - Hunterdon
021 - Mercer
023 - Middlesex
025 - Monmouth
027 - Morris
029 - Ocean
031 - Passaic
033 - Salem
035 - Somerset
037 - Sussex
039 - Union
041 - Warren

Table III-2a: NYISO Market Generators

Owner, Operator, and / or Billing Organization	Station	Unit	Zone	PTID	Location Town	Cnty	St	In-Service Date	Name Plate Rating (D)	2024 CRIS (A) MW SUM	2024 CRIS (A) MW WIN	2024 Capability (B) MW SUM	2024 Capability (B) MW WIN	DUAL	Unit Type	Fuel (U) Type 1	Fuel (U) Type 2	2023 Net Energy GWh	Notes
								YYYY-MM-DD	MW										
Jamestown Board of Public Utilities	Jamestown 5		A	1658	Jamestown	013	36	1951-08-01	28.7	23.0	23.0	21.9	21.1	YES	ST	NG	FO2	1.7	
Jamestown Board of Public Utilities	Jamestown 6		A	1658	Jamestown	013	36	1968-08-01	25.0	22.4	22.4	19.1	18.3	YES	ST	NG	FO2	8.9	
Jamestown Board of Public Utilities	Jamestown 7		A	1659	Jamestown	013	36	2002-01-01	47.3	40.0	40.0	39.8	45.7		GT	NG		41.9	
New York Power Authority	Lewiston PS (Fleet)		A	23760	Niagara Falls	063	36	1961-01-01	240.0	240.0	240.0	240.0	240.0		PS	WAT		-226.2	
New York Power Authority	Moses Niagara (Fleet)		A	23760	Niagara Falls	063	36	1961-01-01	2,860.0	2,460.0	2,460.0	2,435.0	2,435.0		HY	WAT		15,767.3	
Indeck-Yerkes LP	Indeck-Yerkes		A	23781	Tonawanda	029	36	1990-02-01	59.9	49.7	60.5	43.8	56.5	YES	CC	NG	FO2	30.8	
Erie Blvd. Hydro - NYS Barge	Hydraulic Race		A	23848	Lockport	063	36	1942-01-01	4.7	3.1	3.1	4.7	4.7		HY	WAT		7.4	
Indeck-Olean LP	Indeck-Olean		A	23982	Olean	009	36	1993-12-01	90.6	79.4	88.5	77.5	85.7	YES	CC	NG	FO2	35.2	
Covanta Niagara, LP	American Ref-Fuel 1		A	24010	Niagara	063	36	1993-05-01	25.0	19.6	19.6	18.8	17.9		ST	REF		245.3	(G)
Covanta Niagara, LP	American Ref-Fuel 2		A	24010	Niagara	063	36	1993-05-01	25.0	19.6	19.6	18.8	17.9		ST	REF			
Model City Energy LLC	Model City Energy		A	24167	Lewiston	063	36	2001-06-01	5.6	5.6	5.6	5.6	5.6		IC	MTE		28.6	
Modern Innovative Energy, LLC	Modern LF		A	323580	Lewiston	063	36	2006-02-01	6.4	6.4	6.4	6.4	6.4		IC	MTE		33.7	
Niagara Wind Power, LLC	Steel Wind		A	323596	Lackawanna	029	36	2007-01-23	20.0	0.0	0.0	0.0	0.0		WT	WND		59.7	
WM Renewable Energy,LLC	Chaffee		A	323603	Chaffee	029	36	2007-08-09	6.4	6.4	6.4	6.4	6.4		IC	MTE		40.0	
Valcour Bliss Windpark, LLC	Bliss Wind Power		A	323608	Bliss	121	36	2008-03-20	100.5	100.5	100.5	100.5	100.5		WT	WND		169.8	
RWE Clean Energy Wholesale Services, Inc.	Chautauqua LFGE		A	323629	Jamestown	013	36	2010-02-12	9.6	0.0	0.0	0.0	0.0		IC	MTE		0.8	
Erie Wind, LLC	Erie Wind		A	323693	Lackawanna	029	36	2012-02-01	15.0	0.0	0.0	0.0	0.0		WT	WND		42.6	
Arkwright Summit Wind Farm LLC	Arkwright Summit Wind Farm		A	323751	Arkwright	013	36	2018-09-01	78.4	78.4	78.4	78.4	78.4		WT	WND		224.7	
RWE Clean Energy Wholesale Services, Inc.	Lockport CC1		A	323769	Lockport	063	36	1992-07-01	73.8	75.1	87.3	69.6	74.5	YES	CC	NG	FO2	88.3	(G)
RWE Clean Energy Wholesale Services, Inc.	Lockport CC2		A	323770	Lockport	063	36	1992-07-01	73.8	75.1	87.2	69.6	74.5	YES	CC	NG	FO2		
RWE Clean Energy Wholesale Services, Inc.	Lockport CC3		A	323771	Lockport	063	36	1992-07-01	73.8	75.0	87.2	69.6	74.5	YES	CC	NG	FO2		
Cassadaga Wind, LLC	Cassadaga Wind		A	323784	Charlotte	013	36	2021-04-01	126.5	126.0	126.0	0.0	0.0		WT	WND		235.1	
Orangeville Energy Storage LLC	Orangeville ESR		A	323794	Orangeville	121	36	2021-10-19	20.0	0.0	0.0	0.0	0.0		ES	BAT		-3.5	
Galt Power Inc.	KCE NY 6		A	323823	Hamburg	029	36	2023-07-01	20.0	20.0	20.0	20.0	20.0		ES	BAT		-1.7	(N)(1)
Ball Hill Wind Energy, LLC	Ball Hill Wind		A	323825	Hanover	013	36	2024-02-01	107.5	100.0	100.0	107.5	107.5		WT	WND		55.4	(N)(4)
World Generation X, LLC	Fortistar - N.Tonawanda (BTM:NG)		A	323836	N Tonawanda	029	36	1993-06-01	68.5	59.0	75.0	53.3	60.7	YES	CC	NG	FO2	32.5	(E)(41)
Seneca Power Partners, L.P.	Allegany		B	23514	Hume	003	36	1995-03-01	67.0	62.9	82.2	62.8	62.7		CC	NG		11.7	
R.E. Ginna Nuclear Power Plant, LLC	R. E. Ginna		B	23603	Ontario	117	36	1970-07-01	614.0	582.0	582.0	581.5	581.8		NP	UR		4,644.9	
Rochester Gas and Electric Corp.	Station 2	1	B	23604	Rochester	055	36	1913-07-01	8.5	6.5	6.5	8.5	8.5		HY	WAT		12.0	(G)
Rochester Gas and Electric Corp.	Station 26	1	B	23604	Rochester	055	36	1952-08-01	3.0	3.0	3.0	3.0	3.0		HY	WAT			
Rochester Gas and Electric Corp.	Station 5	1	B	23604	Rochester	055	36	1918-07-01	14.0	11.8	11.8	14.0	14.0		HY	WAT			
Rochester Gas and Electric Corp.	Station 5	2	B	23604	Rochester	055	36	1918-07-01	13.6	11.8	11.8	13.6	13.6		HY	WAT			
Rochester Gas and Electric Corp.	Station 5	3	B	23604	Rochester	055	36	1918-07-01	18.0	16.5	16.5	18.0	18.0		HY	WAT			
Seneca Power Partners, L.P.	Batavia		B	24024	Batavia	037	36	1992-06-01	67.3	57.1	71.7	47.7	58.0		CC	NG		3.0	
Erie Blvd. Hydro - Oak Orchard	Glenwood 1		B	24046	Medina	073	36	1950-01-01	0.5	0.5	0.5	0.5	0.5		HY	WAT		2.5	
Erie Blvd. Hydro - Oak Orchard	Glenwood 2		B	24046	Medina	073	36	1950-01-01	0.5	0.5	0.5	0.5	0.5		HY	WAT		2.3	
Erie Blvd. Hydro - Oak Orchard	Glenwood 3		B	24046	Medina	073	36	1950-01-01	0.5	0.5	0.5	0.5	0.5		HY	WAT		2.9	
Erie Blvd. Hydro - Oak Orchard	Oak Orchard		B	24046	Waterport	073	36	1941-01-01	0.4	0.3	0.3	0.4	0.4		HY	WAT		0.3	

Table III-2a: NYISO Market Generators (cont'd)

Owner, Operator, and / or Billing Organization	Station	Unit	Zone	PTID	Location Town	Cnty	St	In-Service Date	Name Plate Rating (D)	2024 CRIS (A) MW		2024 Capability (B) MW		DUAL	Unit Type	Fuel (U) Type 1	Type 2	2023 Net Energy	Notes
								YYYY-MM-DD	MW	SUM	WIN	SUM	WIN					GWh	
Erie Blvd. Hydro - Oak Orchard	Waterport 1		B	24046	Waterport	073	36	1941-01-01	2.3	1.6	1.6	2.3	2.3		HY	WAT		8.6	
Erie Blvd. Hydro - Oak Orchard	Waterport 2		B	24046	Waterport	073	36	1968-01-01	2.5	1.8	1.8	2.5	2.5		HY	WAT		6.7	
Western New York Wind Corp.	Western NY Wind Power		B	24143	Wethersfield	121	36	2000-10-01	6.6	0.0	0.0	0.0	0.0		WT	WND		0.0	(R)(29)
WM Renewable Energy,LLC	Mill Seat		B	323607	Riga	055	36	2007-07-20	6.4	6.4	6.4	6.4	6.4		IC	MTE		52.5	
Innovative Energy Systems, Inc.	Hyland LFGE		B	323620	Angelica	003	36	2008-09-08	4.8	4.8	4.8	4.8	4.8		IC	MTE		34.1	
Galt Power Inc.	Synergy Biogas		B	323694	Wyoming	121	36	2012-09-01	2.0	0.0	0.0	0.0	0.0		IC	MTE		4.6	
RED-Rochester, LLC	Red Rochester (BTM:NG)		B	323720	Rochester	055	36	2021-04-05	117.0	14.8	14.8	13.3	10.2	YES	ST	NG	FO2	2.0	(E)(39)
New York State Elec. & Gas Corp.	Allegheny 8		C	23528	Kittanning PA	005	42	1990-10-01	16.0	14.7	14.7	13.3	16.0		HY	WAT		159.9	(G)
New York State Elec. & Gas Corp.	Allegheny 9		C	23528	Kittanning PA	005	42	1990-10-01	22.0	20.2	20.2	18.2	22.0		HY	WAT			
Nine Mile Point Nuclear Station, LLC	Nine Mile Point 1		C	23575	Scriba	075	36	1969-11-01	641.8	630.5	630.5	621.4	622.3		NB	UR		4,666.6	
Nine Mile Point Nuclear Station, LLC	Nine Mile Point 2		C	23744	Scriba	075	36	1988-08-01	1,399.0	1,310.0	1,310.0	1,274.7	1,297.6		NB	UR		10,837.1	
Emera Energy Services Subsidiary No. 3 LLC	Greenidge 4 (BTM:NG)		C	23583	Torrey	123	36	1953-12-01	112.5	106.3	106.3	25.9	42.4		ST	NG	WD	143.0	(E)(37)
Constellation Energy Generation, LLC	James A. FitzPatrick		C	23598	Scriba	075	36	1975-07-01	882.0	858.9	858.9	852.8	852.9		NB	UR		7,373.1	
Oswego Harbor Power, LLC	Oswego 5		C	23606	Oswego	075	36	1976-02-01	901.8	850.3	850.3	809.5	817.2		ST	FO6		9.0	
Oswego Harbor Power, LLC	Oswego 6		C	23613	Oswego	075	36	1980-07-01	901.8	835.2	835.2	803.0	808.7	YES	ST	FO6	NG	25.1	
WM Renewable Energy,LLC	High Acres		C	23767	Fairport	117	36	1991-06-01	9.6	9.6	9.6	9.6	9.6		IC	MTE		24.3	
Indeck Energy Services of Silver Springs	Indeck-Silver Springs		C	23768	Silver Springs	121	36	1991-04-01	56.6	51.5	66.1	51.4	59.8	YES	CC	NG	FO2	36.7	
Indeck-Oswego LP	Indeck-Oswego		C	23783	Oswego	075	36	1990-05-01	57.4	51.6	66.7	51.8	60.6	YES	CC	NG	FO2	37.3	
Seneca Energy II, LLC	Seneca Energy 1		C	23797	Seneca Falls	099	36	1996-03-01	8.8	8.8	8.8	8.8	8.8		IC	MTE		78.2	(G)
Seneca Energy II, LLC	Seneca Energy 2		C	23797	Seneca Falls	099	36	1997-08-01	8.8	8.8	8.8	8.8	8.8		IC	MTE			
Seneca Energy II, LLC	Ontario LFGE		C	23819	Canandaigua	069	36	2003-12-01	11.2	11.2	11.2	11.2	11.2		IC	MTE		78.3	
SBF New York, L.L.C.	Syracuse		C	23985	Syracuse	067	36	1993-09-01	102.7	88.8	109.3	83.2	102.8	YES	CC	NG	FO2	10.8	
Erie Blvd. Hydro - Seneca Oswego	Baldwinsville 1		C	24041	Baldwinsville	067	36	1927-01-01	0.3	0.2	0.2	0.3	0.3		HY	WAT		1.3	
Erie Blvd. Hydro - Seneca Oswego	Baldwinsville 2		C	24041	Baldwinsville	067	36	1927-01-01	0.3	0.2	0.2	0.3	0.3		HY	WAT		1.3	
Erie Blvd. Hydro - Seneca Oswego	Fulton 1		C	24041	Fulton	075	36	1924-01-01	0.8	0.8	0.8	0.8	0.8		HY	WAT		2.8	
Erie Blvd. Hydro - Seneca Oswego	Fulton 2		C	24041	Fulton	075	36	1928-01-01	0.5	0.4	0.4	0.5	0.5		HY	WAT		3.0	
Erie Blvd. Hydro - Seneca Oswego	Granby 1		C	24041	Granby	075	36	1983-05-01	5.0	5.1	5.1	5.0	5.0		HY	WAT		20.2	
Erie Blvd. Hydro - Seneca Oswego	Granby 2		C	24041	Granby	075	36	1983-05-01	5.0	5.1	5.1	5.0	5.0		HY	WAT		16.0	
Erie Blvd. Hydro - Seneca Oswego	Minetto 2		C	24041	Minetto	075	36	1915-01-01	1.6	1.5	1.5	1.6	1.6		HY	WAT		6.5	
Erie Blvd. Hydro - Seneca Oswego	Minetto 3		C	24041	Minetto	075	36	1915-01-01	1.6	1.5	1.5	1.6	1.6		HY	WAT		6.8	
Erie Blvd. Hydro - Seneca Oswego	Minetto 4		C	24041	Minetto	075	36	1915-01-01	1.6	1.5	1.5	1.6	1.6		HY	WAT		5.8	
Erie Blvd. Hydro - Seneca Oswego	Minetto 5		C	24041	Minetto	075	36	1975-01-01	1.6	1.5	1.5	1.6	1.6		HY	WAT		6.1	
Erie Blvd. Hydro - Seneca Oswego	Minetto 6		C	24041	Minetto	075	36	1975-01-01	1.6	1.5	1.5	1.6	1.6		HY	WAT		6.9	
Erie Blvd. Hydro - Seneca Oswego	Oswego Falls E 1		C	24041	Oswego	075	36	1914-01-01	1.5	1.5	1.5	1.5	1.5		HY	WAT		8.6	
Erie Blvd. Hydro - Seneca Oswego	Oswego Falls E 2		C	24041	Oswego	075	36	1914-01-01	1.5	1.5	1.5	1.5	1.5		HY	WAT		7.5	
Erie Blvd. Hydro - Seneca Oswego	Oswego Falls E 3		C	24041	Oswego	075	36	1914-01-01	1.5	1.5	1.5	1.5	1.5		HY	WAT		7.6	
Erie Blvd. Hydro - Seneca Oswego	Oswego Falls W 4		C	24041	Oswego	075	36	1914-01-01	0.9	1.0	1.0	0.9	0.9		HY	WAT		1.9	
Erie Blvd. Hydro - Seneca Oswego	Oswego Falls W 5		C	24041	Oswego	075	36	1914-01-01	0.9	1.0	1.0	0.9	0.9		HY	WAT		3.1	

Table III-2a: NYISO Market Generators (cont'd)

Owner, Operator, and / or Billing Organization	Station	Unit	Zone	PTID	Location Town	Cnty	St	In-Service Date	Name Plate Rating (D)	2024 CRIS (A) MW SUM	2024 CRIS (A) MW WIN	2024 Capability (B) MW SUM	2024 Capability (B) MW WIN	DUAL	Unit Type	Fuel (U) Type 1	Fuel (U) Type 2	2023 Net Energy	Notes
								YYYY-MM-DD	MW									GWh	
Erie Blvd. Hydro - Seneca Oswego	Oswego Falls W 6		C	24041	Oswego	075	36	2007-01-01	0.5	0.5	0.5	0.5	0.5		HY	WAT		2.0	
Erie Blvd. Hydro - Seneca Oswego	Oswego Falls W 7		C	24041	Oswego	075	36	2007-01-01	0.5	0.5	0.5	0.5	0.5		HY	WAT		1.3	
Erie Blvd. Hydro - Seneca Oswego	Varick 2		C	24041	Oswego	075	36	1926-01-01	2.2	1.9	1.9	2.2	2.2		HY	WAT		6.6	
Erie Blvd. Hydro - Seneca Oswego	Varick 3		C	24041	Oswego	075	36	1926-01-01	2.2	2.1	2.1	2.2	2.2		HY	WAT		7.5	
Erie Blvd. Hydro - Seneca Oswego	Varick 4		C	24041	Oswego	075	36	1926-01-01	2.2	1.9	1.9	2.2	2.2		HY	WAT		2.7	
Erie Blvd. Hydro - Seneca Oswego	Varick 5		C	24041	Oswego	075	36	1926-01-01	2.2	1.9	1.9	2.2	2.2		HY	WAT		5.9	
Erie Blvd. Hydro - South Salmon	Bennetts Bridge 1		C	24043	Altmar	075	36	1964-01-01	6.4	7.0	7.0	6.4	6.4		HY	WAT		11.2	
Erie Blvd. Hydro - South Salmon	Bennetts Bridge 2		C	24043	Altmar	075	36	1966-01-01	6.4	7.0	7.0	6.4	6.4		HY	WAT		19.5	
Erie Blvd. Hydro - South Salmon	Bennetts Bridge 3		C	24043	Altmar	075	36	1970-01-01	7.0	7.7	7.7	7.0	7.0		HY	WAT		35.7	
Erie Blvd. Hydro - South Salmon	Bennetts Bridge 4		C	24043	Altmar	075	36	1970-01-01	7.0	7.7	7.7	7.0	7.0		HY	WAT		29.5	
Erie Blvd. Hydro - South Salmon	Lighthouse Hill 1		C	24043	Altmar	075	36	1930-01-01	3.8	4.1	4.1	3.8	3.8		HY	WAT		15.6	
Erie Blvd. Hydro - South Salmon	Lighthouse Hill 2		C	24043	Altmar	075	36	1930-01-01	3.8	4.1	4.1	3.8	3.8		HY	WAT		8.5	
Carr Street Generating Station LP	Carr St.-E. Syr		C	24060	Dewitt	067	36	1993-08-01	122.6	89.0	116.8	89.8	104.4	YES	CC	NG	F02	66.0	
Dynegy Marketing and Trade, LLC	Independence GS1		C	24169	Scriba	075	36	1994-11-01	313.5	253.2	303.0	245.1	299.3		CC	NG		4,049.2	(G)
Dynegy Marketing and Trade, LLC	Independence GS2		C	24170	Scriba	075	36	1994-11-01	313.5	253.2	302.9	245.1	299.3		CC	NG			
Dynegy Marketing and Trade, LLC	Independence GS3		C	24171	Scriba	075	36	1994-11-01	313.5	253.3	303.0	245.1	299.3		CC	NG			
Dynegy Marketing and Trade, LLC	Independence GS4		C	24172	Scriba	075	36	1994-11-01	313.5	253.2	302.8	245.1	299.3		CC	NG			
Canastota Windpower LLC	Fenner Wind Power		C	24204	Fenner	053	36	2001-12-01	30.0	30.0	30.0	0.0	0.0		WT	WND		70.4	
Broome Energy Resources, LLC	Broome LFGE		C	323600	Binghamton	007	36	2007-09-01	2.4	2.1	2.1	2.4	2.4		IC	MTE		13.0	
Canandaigua Power Partners, LLC	Canandaigua Wind Power		C	323617	Avoca	101	36	2008-12-05	125.0	125.0	125.0	125.0	125.0		WT	WND		266.1	
Sheldon Energy LLC	High Sheldon Wind Farm		C	323625	Sheldon	121	36	2009-02-01	118.1	112.5	112.5	118.1	118.1		WT	WND		177.5	
Valcour Wethersfield Windpark, LLC	Wethersfield Wind Power		C	323626	Wethersfield	121	36	2008-12-11	126.0	126.0	126.0	126.0	126.0		WT	WND		193.1	
Broome Energy Resources, LLC	Broome 2 LFGE		C	323671	Binghamton	007	36	2013-01-31	2.1	2.0	2.0	2.1	2.1		IC	MTE		13.9	
Howard Wind LLC	Howard Wind		C	323690	Howard	101	36	2011-12-01	55.4	57.4	57.4	55.4	55.4		WT	WND		107.8	
Stony Creek Energy LLC	Orangeville Wind Farm		C	323706	Orangeville	121	36	2013-12-01	93.9	94.4	94.4	93.9	93.9		WT	WND		221.8	
Marsh Hill Energy LLC	Marsh Hill Wind Farm		C	323713	Jasper	101	36	2014-12-01	16.2	0.0	0.0	0.0	0.0		WT	WND		38.4	
Galt Power Inc.	East Pulaski ESR		C	323781	Oswego	075	36	2019-05-01	2.0	0.0	0.0	0.0	0.0		ES	BAT			(N)(11)
Galt Power Inc.	Puckett Solar		C	323809	Greene	017	36	2022-09-27	20.0	20.0	20.0	20.0	20.0		PV	SUN		31.3	
Galt Power Inc.	Janis Solar		C	323808	Willet	023	36	2023-02-23	20.0	20.0	20.0	20.0	20.0		PV	SUN		28.9	
NextEra Energy Marketing, LLC	Eight Point Wind		C	323820	Greenwood	101	36	2023-02-08	111.2	101.2	101.2	111.2	111.2		WT	WND		232.4	
Baron Winds, LLC	Baron Winds		C	323822	Cohocton	101	36	2023-02-07	238.4	300.0	300.0	121.8	121.8		WT	WND		295.7	
New York Power Authority	St Lawrence - FDR (Fleet)		D	23600	Massena	089	36	1958-07-01	1,088.0	856.0	856.0	856.0	800.0		HY	WAT		7,138.6	
New York State Elec. & Gas Corp.	Cadyville 1		D	23628	Schuyler Falls	019	36	1921-08-01	1.2	1.0	1.0	1.2	1.2		HY	WAT		153.7	(G)
New York State Elec. & Gas Corp.	Cadyville 2		D	23628	Schuyler Falls	019	36	1921-08-01	1.2	1.0	1.0	1.2	1.2		HY	WAT			
New York State Elec. & Gas Corp.	Cadyville 3		D	23628	Schuyler Falls	019	36	1986-09-01	3.1	2.7	2.7	3.1	3.1		HY	WAT			
New York State Elec. & Gas Corp.	High Falls 1		D	23628	Saranac	019	36	1948-08-01	4.0	4.3	4.3	4.0	4.0		HY	WAT			
New York State Elec. & Gas Corp.	High Falls 2		D	23628	Saranac	019	36	1949-08-01	4.0	4.3	4.3	4.0	4.0		HY	WAT			
New York State Elec. & Gas Corp.	High Falls 3		D	23628	Saranac	019	36	1956-08-01	7.0	8.2	8.2	7.0	7.0		HY	WAT			

Table III-2a: NYISO Market Generators (cont'd)

Owner, Operator, and / or Billing Organization	Station	Unit	Zone	PTID	Location Town	Cnty	St	In-Service Date	Name Plate Rating (D)	2024 CRIS (A) MW		2024 Capability (B) MW		DUAL	Unit Type	Fuel (U) Type 1	Type 2	2023 Net Energy	Notes
								YYYY-MM-DD	MW	SUM	WIN	SUM	WIN					GWh	
New York State Elec. & Gas Corp.	Kent Falls 1		D	23628	Schuyler Falls	019	36	1928-08-01	3.6	3.0	3.0	3.6	3.6		HY	WAT			
New York State Elec. & Gas Corp.	Kent Falls 2		D	23628	Schuyler Falls	019	36	1928-08-01	3.6	3.0	3.0	3.6	3.6		HY	WAT			
New York State Elec. & Gas Corp.	Kent Falls 3		D	23628	Schuyler Falls	019	36	1985-07-01	6.4	6.0	6.0	6.4	6.4		HY	WAT			
New York State Elec. & Gas Corp.	Mill C 1		D	23628	Plattsburgh	019	36	1944-08-01	1.0	0.9	0.9	1.0	1.0		HY	WAT			
New York State Elec. & Gas Corp.	Mill C 2		D	23628	Plattsburgh	019	36	1943-08-01	1.2	1.2	1.2	1.2	1.2		HY	WAT			
New York State Elec. & Gas Corp.	Mill C 3		D	23628	Plattsburgh	019	36	1984-11-01	3.8	3.7	3.7	3.8	3.8		HY	WAT			
New York State Elec. & Gas Corp.	Rainbow Falls 1		D	23628	Ausable	019	36	1926-08-01	1.3	1.5	1.5	1.3	1.3		HY	WAT			
New York State Elec. & Gas Corp.	Rainbow Falls 2		D	23628	Ausable	019	36	1927-08-01	1.3	1.5	1.5	1.3	1.3		HY	WAT			
Seneca Power Partners, L.P.	Massena		D	23902	Massena	089	36	1992-07-01	102.1	82.2	107.9	79.5	92.3	YES	CC	NG	FO2	21.9	
Erie Blvd. Hydro - North Salmon	Allens Falls		D	24042	Allens Falls	089	36	1927-01-01	4.4	5.0	5.0	4.4	4.4		HY	WAT		31.5	
Erie Blvd. Hydro - North Salmon	Chasm 1		D	24042	Chateaugay	033	36	1913-01-01	1.0	1.1	1.1	1.0	1.0		HY	WAT		7.5	
Erie Blvd. Hydro - North Salmon	Chasm 2		D	24042	Chateaugay	033	36	1913-01-01	1.0	1.1	1.1	1.0	1.0		HY	WAT		8.8	
Erie Blvd. Hydro - North Salmon	Chasm 3		D	24042	Chateaugay	033	36	1926-01-01	1.4	1.6	1.6	1.4	1.4		HY	WAT		10.1	
Erie Blvd. Hydro - North Salmon	Franklin 1		D	24042	Franklin	033	36	1911-01-01	1.1	1.1	1.1	1.1	1.1		HY	WAT		5.5	
Erie Blvd. Hydro - North Salmon	Franklin 2		D	24042	Franklin	033	36	1926-01-01	1.1	1.1	1.1	1.1	1.1		HY	WAT		6.8	
Erie Blvd. Hydro - North Salmon	Macomb		D	24042	Malone	033	36	1940-01-01	1.0	1.1	1.1	1.0	1.0		HY	WAT		7.1	
Erie Blvd. Hydro - North Salmon	Parishville		D	24042	Parishville	089	36	1925-01-01	2.4	2.4	2.4	2.4	2.4		HY	WAT		16.3	
Erie Blvd. Hydro - North Salmon	Piercefield 1		D	24042	Piercefield	089	36	1957-01-01	1.5	1.6	1.6	1.5	1.5		HY	WAT		9.0	
Erie Blvd. Hydro - North Salmon	Piercefield 2		D	24042	Piercefield	089	36	1924-01-01	0.6	0.6	0.6	0.6	0.6		HY	WAT		1.7	
Erie Blvd. Hydro - North Salmon	Piercefield 3		D	24042	Piercefield	089	36	1924-01-01	0.6	0.6	0.6	0.6	0.6		HY	WAT		3.5	
Valcour Ellenburg Windapark,LLC	Ellenburg Wind Power		D	323604	Ellenburg	019	36	2008-03-31	81.0	81.0	81.0	81.0	81.0		WT	WND		115.7	
Valcour Clinton Windpark,LLC	Clinton Wind Power		D	323605	Clinton	019	36	2008-04-09	100.5	100.5	100.5	100.5	100.5		WT	WND		125.3	
Valcour Altona Windpark, LLC	Altona Wind Power		D	323606	Altona	019	36	2008-09-23	97.5	97.5	97.5	97.5	97.5		WT	WND		124.6	
Valcour Chateaugay Windpark, LLC	Chateaugay Wind Power		D	323614	Chateaugay	033	36	2008-10-07	106.5	106.5	106.5	106.5	106.5		WT	WND		144.6	
Innovative Energy Systems, Inc.	Clinton LFGE		D	323618	Morrisonville	019	36	2008-10-01	6.4	6.4	6.4	6.4	6.4		IC	MTE		47.3	
Marble River LLC	Marble River Wind		D	323696	Ellenburg	019	36	2012-07-01	215.2	215.2	215.2	215.2	215.2		WT	WND		386.7	
Jericho Rise Wind Farm LLC	Jericho Rise Wind Farm		D	323719	Chateaugay	033	36	2016-12-01	77.7	77.7	77.7	77.7	77.7		WT	WND		184.8	
New York Power Authority	North Country ESR		D	323785	Chateaugay	033	36	2023-02-01	20.0	0.0	0.0	0.0	0.0		ES	BAT		-1.0	
Saranac Power Partners ,L.P	Saranac Energy CC1		D	323796	Plattsburgh	019	36	1994-06-01	142.8	126.9	149.2	121.8	147.0		CC	NG		159.2	(G)
Saranac Power Partners ,L.P	Saranac Energy CC2		D	323797	Plattsburgh	019	36	1994-06-01	142.8	126.8	149.2	116.1	148.1		CC	NG			
Northbrook Lyons Falls, LLC	Lyons Falls Hydro (BTM:NG)		E	23570	Lyons Falls	049	36	1986-01-01	8.6	0.0	0.0	0.0	0.0		HY	WAT		28.9	(E)(38)
New York Power Authority	Jarvis 1		E	23743	Hinckley	065	36	1991-07-01	4.5	4.5	4.5	9.0	9.0		HY	WAT		16.7	
New York Power Authority	Jarvis 2		E	23743	Hinckley	065	36	1991-07-01	4.5	4.5	4.5	9.0	9.0		HY	WAT		14.7	
Seneca Power Partners, L.P.	Sterling		E	23777	Sherrill	065	36	1991-06-01	65.3	57.4	72.1	49.7	60.3		CC	NG		2.1	
Black River Hydroelectric, LLC	Glen Park Hydro		E	23778	Glen Park	045	36	1986-01-01	32.6	40.4	40.4	32.6	32.6		HY	WAT		130.1	
Seneca Power Partners, L.P.	Carthage Energy		E	23857	Carthage	045	36	1991-08-01	62.9	59.0	70.6	56.4	63.1	YES	CC	NG	FO2	2.3	
SBF New York, L.L.C.	Beaver Falls		E	23983	Beaver Falls	049	36	1995-03-01	107.8	80.2	94.9	78.1	91.2	YES	CC	NG	FO2	4.4	
Erie Blvd. Hydro - Oswegatchie	Browns Falls 1		E	24044	Oswegatchie	089	36	1923-01-01	7.5	8.0	8.0	7.5	7.5		HY	WAT		34.6	

Table III-2a: NYISO Market Generators (cont'd)

Owner, Operator, and / or Billing Organization	Station	Unit	Zone	PTID	Location Town	Cnty	St	In-Service Date	Name Plate Rating (D)	2024 CRIS (A) MW SUM	2024 CRIS (A) MW WIN	2024 Capability (B) MW SUM	2024 Capability (B) MW WIN	DUAL	Unit Type	Fuel (U) Type 1	Fuel (U) Type 2	2023 Net Energy	Notes
								YYYY-MM-DD	MW									GWh	
Erie Blvd. Hydro - Oswegatchie	Browns Falls 2		E	24044	Oswegatchie	089	36	1923-01-01	7.5	8.0	8.0	7.5	7.5		HY	WAT		24.5	
Erie Blvd. Hydro - Oswegatchie	Eel Weir 1		E	24044	Heuvelton	089	36	1928-01-01	0.5	0.3	0.3	0.5	0.5		HY	WAT		2.0	
Erie Blvd. Hydro - Oswegatchie	Eel Weir 2		E	24044	Heuvelton	089	36	1938-01-01	1.1	0.8	0.8	1.1	1.1		HY	WAT		2.9	
Erie Blvd. Hydro - Oswegatchie	Eel Weir 3		E	24044	Heuvelton	089	36	1938-01-01	1.1	0.8	0.8	1.1	1.1		HY	WAT		4.1	
Erie Blvd. Hydro - Oswegatchie	Flat Rock 1		E	24044	Flat Rock	089	36	1924-01-01	3.0	2.6	2.6	3.0	3.0		HY	WAT		12.3	
Erie Blvd. Hydro - Oswegatchie	Flat Rock 2		E	24044	Flat Rock	089	36	1924-01-01	3.0	2.6	2.6	3.0	3.0		HY	WAT		9.0	
Erie Blvd. Hydro - Oswegatchie	Heuvelton 1		E	24044	Heuvelton	089	36	1924-01-01	0.5	0.4	0.4	0.5	0.5		HY	WAT		2.6	
Erie Blvd. Hydro - Oswegatchie	Heuvelton 2		E	24044	Heuvelton	089	36	1924-01-01	0.5	0.4	0.4	0.5	0.5		HY	WAT		2.3	
Erie Blvd. Hydro - Oswegatchie	Lower Newton Falls 1		E	24044	Newton Falls	089	36	2002-07-01	0.5	0.6	0.6	0.5	0.5		HY	WAT		2.4	
Erie Blvd. Hydro - Oswegatchie	Oswegatchie 1		E	24044	Oswegatchie	089	36	1937-01-01	0.6	1.3	1.3	0.6	0.6		HY	WAT		4.4	
Erie Blvd. Hydro - Oswegatchie	Oswegatchie 2		E	24044	Oswegatchie	089	36	1937-01-01	0.2	0.5	0.5	0.2	0.2		HY	WAT		4.3	
Erie Blvd. Hydro - Oswegatchie	South Edwards 1		E	24044	South Edwards	089	36	1937-01-01	1.0	1.2	1.2	1.0	1.0		HY	WAT		9.3	
Erie Blvd. Hydro - Oswegatchie	South Edwards 2		E	24044	South Edwards	089	36	1937-01-01	1.0	1.2	1.2	1.0	1.0		HY	WAT		5.9	
Erie Blvd. Hydro - Oswegatchie	South Edwards 3		E	24044	South Edwards	089	36	1921-01-01	0.7	0.8	0.8	0.7	0.7		HY	WAT		4.5	
Erie Blvd. Hydro - Oswegatchie	South Edwards 4		E	24044	South Edwards	089	36	1937-01-01	0.2	0.2	0.2	0.2	0.2		HY	WAT		1.8	
Erie Blvd. Hydro - Oswegatchie	Talcville 1		E	24044	Edwards	089	36	1986-12-01	0.5	0.4	0.4	0.5	0.5		HY	WAT		0.0	
Erie Blvd. Hydro - Oswegatchie	Talcville 2		E	24044	Edwards	089	36	1986-12-01	0.5	0.4	0.4	0.5	0.5		HY	WAT		0.6	
Erie Blvd. Hydro - Oswegatchie	Upper Newton Falls 2		E	24044	Newton Falls	089	36	2002-07-01	0.5	0.4	0.4	0.5	0.5		HY	WAT		3.6	
Erie Blvd. Hydro - Oswegatchie	Upper Newton Falls 3		E	24044	Newton Falls	089	36	2002-07-01	0.5	0.4	0.4	0.5	0.5		HY	WAT		2.7	
Erie Blvd. Hydro - Oswegatchie	Upper Newton Falls 4		E	24044	Newton Falls	089	36	2002-07-01	0.5	0.4	0.4	0.5	0.5		HY	WAT		1.2	
Erie Blvd. Hydro - Black River	Beebee Island 1		E	24047	Watertown	045	36	1963-01-01	4.0	4.4	4.4	4.0	4.0		HY	WAT		21.3	
Erie Blvd. Hydro - Black River	Beebee Island 2		E	24047	Watertown	045	36	1968-01-01	4.0	4.4	4.4	4.0	4.0		HY	WAT		33.2	
Erie Blvd. Hydro - Black River	Black River 1		E	24047	Black River	045	36	1920-01-01	2.0	2.3	2.3	2.0	2.0		HY	WAT		9.4	
Erie Blvd. Hydro - Black River	Black River 2		E	24047	Black River	045	36	1920-01-01	2.0	2.3	2.3	2.0	2.0		HY	WAT		12.1	
Erie Blvd. Hydro - Black River	Black River 3		E	24047	Black River	045	36	1920-01-01	2.0	2.3	2.3	2.0	2.0		HY	WAT		7.1	
Erie Blvd. Hydro - Black River	Deferiet 1		E	24047	Deferiet	045	36	1925-01-01	3.6	3.7	3.7	3.6	3.6		HY	WAT		20.1	
Erie Blvd. Hydro - Black River	Deferiet 2		E	24047	Deferiet	045	36	1925-01-01	3.6	3.7	3.7	3.6	3.6		HY	WAT		26.1	
Erie Blvd. Hydro - Black River	Deferiet 3		E	24047	Deferiet	045	36	1925-01-01	3.6	3.7	3.7	3.6	3.6		HY	WAT		21.4	
Erie Blvd. Hydro - Black River	Herrings 1		E	24047	Herrings	045	36	1924-01-01	1.8	1.8	1.8	1.8	1.8		HY	WAT		5.6	
Erie Blvd. Hydro - Black River	Herrings 2		E	24047	Herrings	045	36	1924-01-01	1.8	1.8	1.8	1.8	1.8		HY	WAT		11.2	
Erie Blvd. Hydro - Black River	Herrings 3		E	24047	Herrings	045	36	1924-01-01	1.8	1.8	1.8	1.8	1.8		HY	WAT		9.4	
Erie Blvd. Hydro - Black River	Kamargo 1		E	24047	Black River	045	36	1921-01-01	1.8	1.8	1.8	1.8	1.8		HY	WAT		9.6	
Erie Blvd. Hydro - Black River	Kamargo 2		E	24047	Black River	045	36	1921-01-01	1.8	1.8	1.8	1.8	1.8		HY	WAT		11.3	
Erie Blvd. Hydro - Black River	Kamargo 3		E	24047	Black River	045	36	1921-01-01	1.8	1.8	1.8	1.8	1.8		HY	WAT		7.1	
Erie Blvd. Hydro - Black River	Sewalls 1		E	24047	Watertown	045	36	1925-01-01	1.0	1.1	1.1	1.0	1.0		HY	WAT		7.8	
Erie Blvd. Hydro - Black River	Sewalls 2		E	24047	Watertown	045	36	1925-01-01	1.0	1.1	1.1	1.0	1.0		HY	WAT		6.6	
Erie Blvd. Hydro - Beaver River	Belfort 1		E	24048	Belfort	049	36	1903-01-01	0.4	0.4	0.4	0.4	0.4		HY	WAT		2.5	
Erie Blvd. Hydro - Beaver River	Belfort 2		E	24048	Belfort	049	36	1915-01-01	0.6	0.6	0.6	0.6	0.6		HY	WAT		3.2	

Table III-2a: NYISO Market Generators (cont'd)

Owner, Operator, and / or Billing Organization	Station	Unit	Zone	PTID	Location Town	Cnty	St	In-Service Date	Name Plate Rating (D)	2024 CRIS (A) MW SUM	2024 CRIS (A) MW WIN	2024 Capability (B) MW SUM	2024 Capability (B) MW WIN	DUAL	Unit Type	Fuel (U) Type 1	Fuel (U) Type 2	2023 Net Energy	Notes
								YYYY-MM-DD	MW									GWh	
Erie Blvd. Hydro - Beaver River	Belfort 3		E	24048	Belfort	049	36	1918-01-01	1.0	1.0	1.0	1.0	1.0		HY	WAT		7.1	
Erie Blvd. Hydro - Beaver River	Eagle 1		E	24048	Watson	049	36	1914-01-01	1.3	1.2	1.2	1.3	1.3		HY	WAT		7.8	
Erie Blvd. Hydro - Beaver River	Eagle 2		E	24048	Watson	049	36	1915-01-01	1.4	1.3	1.3	1.4	1.4		HY	WAT		6.7	
Erie Blvd. Hydro - Beaver River	Eagle 3		E	24048	Watson	049	36	1919-01-01	1.4	1.3	1.3	1.4	1.4		HY	WAT		5.4	
Erie Blvd. Hydro - Beaver River	Eagle 4		E	24048	Watson	049	36	1925-01-01	2.1	2.0	2.0	2.1	2.1		HY	WAT		12.1	
Erie Blvd. Hydro - Beaver River	Effley 1		E	24048	Belfort	049	36	1902-01-01	0.4	0.3	0.3	0.4	0.4		HY	WAT		2.8	
Erie Blvd. Hydro - Beaver River	Effley 2		E	24048	Belfort	049	36	1907-01-01	0.4	0.3	0.3	0.4	0.4		HY	WAT		0.1	
Erie Blvd. Hydro - Beaver River	Effley 3		E	24048	Belfort	049	36	1910-01-01	0.6	0.5	0.5	0.6	0.6		HY	WAT		4.0	
Erie Blvd. Hydro - Beaver River	Effley 4		E	24048	Belfort	049	36	1923-01-01	1.6	1.5	1.5	1.6	1.6		HY	WAT		9.4	
Erie Blvd. Hydro - Beaver River	Elmer 1		E	24048	Belfort	049	36	1916-01-01	0.8	0.9	0.9	0.8	0.8		HY	WAT		4.6	
Erie Blvd. Hydro - Beaver River	Elmer 2		E	24048	Belfort	049	36	1916-01-01	0.8	0.9	0.9	0.8	0.8		HY	WAT		6.5	
Erie Blvd. Hydro - Beaver River	High Falls 1		E	24048	Indian River	049	36	1925-01-01	1.6	1.9	1.9	1.6	1.6		HY	WAT		8.3	
Erie Blvd. Hydro - Beaver River	High Falls 2		E	24048	Indian River	049	36	1925-01-01	1.6	1.9	1.9	1.6	1.6		HY	WAT		11.1	
Erie Blvd. Hydro - Beaver River	High Falls 3		E	24048	Indian River	049	36	1925-01-01	1.6	1.9	1.9	1.6	1.6		HY	WAT		15.2	
Erie Blvd. Hydro - Beaver River	Moshier 1		E	24048	Belfort	043	36	1929-01-01	4.0	4.0	4.0	4.0	4.0		HY	WAT		22.2	
Erie Blvd. Hydro - Beaver River	Moshier 2		E	24048	Belfort	043	36	1929-01-01	4.0	4.0	4.0	4.0	4.0		HY	WAT		20.5	
Erie Blvd. Hydro - Beaver River	Soft Maple 1		E	24048	Croghan	049	36	1925-01-01	7.5	8.0	8.0	7.5	7.5		HY	WAT		20.9	
Erie Blvd. Hydro - Beaver River	Soft Maple 2		E	24048	Croghan	049	36	1925-01-01	7.5	8.0	8.0	7.5	7.5		HY	WAT		25.0	
Erie Blvd. Hydro - Beaver River	Taylorville 1		E	24048	Belfort	049	36	1913-01-01	1.1	1.0	1.0	1.1	1.1		HY	WAT		7.0	
Erie Blvd. Hydro - Beaver River	Taylorville 2		E	24048	Belfort	049	36	1913-01-01	1.1	1.0	1.0	1.1	1.1		HY	WAT		6.9	
Erie Blvd. Hydro - Beaver River	Taylorville 3		E	24048	Belfort	049	36	1913-01-01	1.1	1.0	1.0	1.1	1.1		HY	WAT		7.2	
Erie Blvd. Hydro - Beaver River	Taylorville 4		E	24048	Belfort	049	36	1927-01-01	1.2	1.1	1.1	1.2	1.2		HY	WAT		5.1	
Erie Blvd. Hydro - West Canada	Prospect		E	24049	Prospect	043	36	1959-01-01	17.3	21.7	21.7	17.3	17.3		HY	WAT		78.0	
Erie Blvd. Hydro - West Canada	Trenton Falls 5		E	24049	Trenton	065	36	1919-01-01	6.8	9.6	9.6	6.8	6.8		HY	WAT		51.5	
Erie Blvd. Hydro - West Canada	Trenton Falls 6		E	24049	Trenton	065	36	1919-01-01	6.4	9.1	9.1	6.4	6.4		HY	WAT		50.9	
Erie Blvd. Hydro - West Canada	Trenton Falls 7		E	24049	Trenton	065	36	1922-01-01	6.4	9.1	9.1	6.4	6.4		HY	WAT		37.8	
Erie Blvd. Hydro - East Canada Mohawk	Inghams 1		E	24050	Little Falls	043	36	1912-01-01	3.2	3.5	3.5	3.2	3.2		HY	WAT		14.4	
Erie Blvd. Hydro - East Canada Mohawk	Inghams 2		E	24050	Little Falls	043	36	1912-01-01	3.2	3.5	3.5	3.2	3.2		HY	WAT		16.1	
Erie Blvd. Hydro - Upper Raquette	Blake		E	24056	Stark	089	36	1957-01-01	14.4	15.6	15.6	14.4	14.4		HY	WAT		69.8	
Erie Blvd. Hydro - Upper Raquette	Five Falls		E	24056	Colton	089	36	1955-01-01	22.5	24.4	24.4	22.5	22.5		HY	WAT		117.8	
Erie Blvd. Hydro - Upper Raquette	Rainbow Falls		E	24056	Colton	089	36	1956-01-01	22.5	24.4	24.4	22.5	22.5		HY	WAT		118.6	
Erie Blvd. Hydro - Upper Raquette	South Colton		E	24056	South Colton	089	36	1954-01-01	19.4	20.9	20.9	19.4	19.4		HY	WAT		95.4	
Erie Blvd. Hydro - Upper Raquette	Stark		E	24056	Stark	089	36	1957-01-01	22.5	24.6	24.6	22.5	22.5		HY	WAT		110.5	
Erie Blvd. Hydro - Lower Raquette	Colton 1		E	24057	Colton	089	36	1962-01-01	10.0	10.0	10.0	10.0	10.0		HY	WAT		81.0	
Erie Blvd. Hydro - Lower Raquette	Colton 2		E	24057	Colton	089	36	1918-01-01	10.0	10.0	10.0	10.0	10.0		HY	WAT		76.9	
Erie Blvd. Hydro - Lower Raquette	Colton 3		E	24057	Colton	089	36	1928-01-01	10.0	10.0	10.0	10.0	10.0		HY	WAT		13.7	
Erie Blvd. Hydro - Lower Raquette	East Norfolk		E	24057	East Norfolk	089	36	1928-01-01	3.6	4.0	4.0	3.6	3.6		HY	WAT		9.8	
Erie Blvd. Hydro - Lower Raquette	Hannawa Falls 1		E	24057	Hannawa Falls	089	36	1914-01-01	3.6	3.7	3.7	3.6	3.6		HY	WAT		27.7	

Table III-2a: NYISO Market Generators (cont'd)

Owner, Operator, and / or Billing Organization	Station	Unit	Zone	PTID	Location Town	Cnty	St	In-Service Date	Name Plate Rating (D)	2024 CRIS (A) MW		2024 Capability (B) MW		DUAL	Unit Type	Fuel (U) Type 1	Type 2	2023 Net Energy	Notes
								YYYY-MM-DD	MW	SUM	WIN	SUM	WIN					GWh	
Erie Blvd. Hydro - Lower Raquette	Hannawa Falls 2		E	24057	Hannawa Falls	089	36	1920-01-01	3.6	3.7	3.7	3.6	3.6		HY	WAT		26.3	
Erie Blvd. Hydro - Lower Raquette	Higley 1		E	24057	Colton	089	36	1913-01-01	1.2	1.1	1.1	1.2	1.2		HY	WAT		9.8	
Erie Blvd. Hydro - Lower Raquette	Higley 2		E	24057	Colton	089	36	1913-01-01	1.2	1.1	1.1	1.2	1.2		HY	WAT		8.0	
Erie Blvd. Hydro - Lower Raquette	Higley 3		E	24057	Colton	089	36	1943-01-01	2.1	2.0	2.0	2.1	2.1		HY	WAT		10.8	
Erie Blvd. Hydro - Lower Raquette	Higley 4		E	24057	Colton	089	36	1943-01-01	2.1	2.0	2.0	2.1	2.1		HY	WAT		10.5	
Erie Blvd. Hydro - Lower Raquette	Norfolk		E	24057	Norfolk	089	36	1928-01-01	4.5	4.8	4.8	4.5	4.5		HY	WAT		31.4	
Erie Blvd. Hydro - Lower Raquette	Norwood		E	24057	Norwood	089	36	1928-01-01	2.0	2.2	2.2	2.0	2.0		HY	WAT		13.5	
Erie Blvd. Hydro - Lower Raquette	Raymondville		E	24057	Raymondville	089	36	1928-01-01	2.0	2.1	2.1	2.0	2.0		HY	WAT		14.2	
Erie Blvd. Hydro - Lower Raquette	Sugar Island 1		E	24057	Potsdam	089	36	1924-01-01	2.5	2.1	2.1	2.5	2.5		HY	WAT		13.7	
Erie Blvd. Hydro - Lower Raquette	Sugar Island 2		E	24057	Potsdam	089	36	1924-01-01	2.5	2.0	2.0	2.5	2.5		HY	WAT		16.0	
Erie Blvd. Hydro - Lower Raquette	Yaleville 1		E	24057	Norwood	089	36	1940-01-01	0.5	0.2	0.2	0.5	0.5		HY	WAT		2.5	
Erie Blvd. Hydro - Lower Raquette	Yaleville 2		E	24057	Norwood	089	36	1940-01-01	0.2	0.3	0.3	0.2	0.2		HY	WAT		1.2	
Madison Windpower, LLC	Madison Wind Power		E	24146	Madison	053	36	2000-09-01	11.6	11.5	11.5	11.6	11.6		WT	WND		12.4	
Flat Rock Windpower, LLC	Maple Ridge Wind 1		E	323574	Lowville	049	36	2006-01-01	231.0	231.0	231.0	231.0	231.0		WT	WND		397.0	
Flat Rock Windpower II, LLC	Maple Ridge Wind 2		E	323611	Lowville	049	36	2007-12-01	90.8	90.7	90.7	90.8	90.8		WT	WND		155.9	
Northbrook Lyons Falls, LLC	Hampshire Paper		E	323593	Gouverneur	089	36	1987-03-01	3.4	3.5	3.5	3.4	3.4		HY	WAT		8.8	
Munnsville Wind Farm, LLC	Munnsville Wind Power		E	323609	Bouckville	053	36	2007-08-20	34.5	34.5	34.5	34.5	34.5		WT	WND		75.7	
Innovative Energy Systems, Inc.	DANC LFGE		E	323619	Watertown	045	36	2008-09-08	6.4	6.4	6.4	6.4	6.4		IC	MTE		22.5	
WM Renewable Energy,LLC	Madison County LF		E	323628	Wampsville	053	36	2010-03-01	1.6	1.6	1.6	0.0	0.0		IC	MTE		0.0	(I)(13)
Hardscrabble Wind Power LLC	Hardscrabble Wind		E	323673	Fairfield	043	36	2011-02-01	74.0	74.0	74.0	74.0	74.0		WT	WND		155.3	
WM Renewable Energy,LLC	Oneida-Herkimer LFGE		E	323681	Boonville	065	36	2012-04-01	3.2	3.2	3.2	3.2	3.2		IC	MTE		26.2	
EDF Renewable Energy	Copenhagen Wind Farm		E	323753	Copenhagen	049	36	2018-12-01	79.9	79.9	79.9	0.0	0.0		WT	WND		221.8	
Avangrid Renewables LLC	Roaring Brook Wind		E	323790	Martinsburg	049	36	2021-08-30	79.7	79.7	79.7	79.7	79.7		WT	WND		171.2	
Number Three Wind LLC	Number Three Wind Power		E	323818	Lowville	049	36	2023-07-01	103.9	105.8	105.8	103.9	103.9		WT	WND		163.4	(N)(2)
Bluestone Wind, LLC	BlueStone Wind		E	323821	Sanford	007	36	2024-02-01	111.8	124.2	124.2	111.8	111.8		WT	WND		67.6	(N)(5)
Boralex Hydro Operations Inc	NYS Dam		F	23527	Waterford	091	36	1990-12-01	11.4	11.3	11.3	11.4	11.4		HY	WAT		49.3	
New York State Elec. & Gas Corp.	Mechanicville 1		F	23645	Stillwater	091	36	1983-09-01	9.2	10.0	10.0	9.2	9.2		HY	WAT		79.6	(G)
New York State Elec. & Gas Corp.	Mechanicville 2		F	23645	Stillwater	091	36	1983-09-01	9.3	10.0	10.0	9.3	9.3		HY	WAT			
New Athens Generating Company LLC	Athens 1		F	23668	Athens	039	36	2004-05-01	441.0	316.6	399.9	329.4	411.8	YES	CC	NG	F02	473.3	
New Athens Generating Company LLC	Athens 2		F	23670	Athens	039	36	2004-05-01	441.0	315.6	398.6	333.3	409.9	YES	CC	NG	F02	794.0	
New Athens Generating Company LLC	Athens 3		F	23677	Athens	039	36	2004-05-01	441.0	312.8	395.1	331.1	407.9	YES	CC	NG	F02	569.4	
Boralex Hydro Operations Inc	Warrensburg		F	23737	Warrensburg	113	36	1988-12-01	2.9	3.0	3.0	2.9	2.9		HY	WAT		16.2	
New York Power Authority	Gilboa 1		F	23756	Gilboa NY	095	36	1973-07-01	290.0	290.7	290.7	293.1	291.5		PS	WAT		-73.4	
New York Power Authority	Gilboa 2		F	23757	Gilboa NY	095	36	1973-07-01	290.0	291.2	291.2	292.1	292.5		PS	WAT		-16.1	
New York Power Authority	Gilboa 3		F	23758	Gilboa NY	095	36	1973-07-01	290.0	291.7	291.7	292.9	291.7		PS	WAT		99.3	
New York Power Authority	Gilboa 4		F	23759	Gilboa NY	095	36	1973-07-01	290.0	291.5	291.5	291.7	293.7		PS	WAT		-135.6	
Rensselaer Generating LLC	Rensselaer		F	23796	Rensselaer	083	36	1993-12-01	96.9	79.0	79.0	76.3	81.7	YES	CC	NG	F02	24.7	
Wheelabrator Hudson Falls, LLC	Wheelabrator Hudson Falls		F	23798	Hudson Falls	115	36	1991-10-01	14.4	12.7	12.7	10.4	10.2		ST	REF		62.9	

Table III-2a: NYISO Market Generators (cont'd)

Owner, Operator, and / or Billing Organization	Station	Unit	Zone	PTID	Location Town	Cnty	St	In-Service Date	Name Plate Rating (D)	2024 CRIS (A) MW		2024 Capability (B) MW		DUAL	Unit Type	Fuel (U) Type 1	Type 2	2023 Net Energy	Notes
								YYYY-MM-DD	MW	SUM	WIN	SUM	WIN					GWh	
Selkirk Cogen Partners , L.P.	Selkirk-I		F	23801	Selkirk	001	36	1992-03-01	107.2	82.1	107.2	76.1	104.6	YES	CC	NG	FO2	43.8	
Selkirk Cogen Partners , L.P.	Selkirk-II		F	23799	Selkirk	001	36	1994-09-01	338.8	291.3	380.5	277.2	336.9	YES	CC	NG	FO2	96.4	
Indeck-Corinth LP	Indeck-Corinth		F	23802	Corinth	091	36	1995-07-01	147.0	131.2	134.0	131.1	135.8	YES	CC	NG	FO2	483.2	
Castleton Power, LLC	Castleton Energy Center		F	23900	Castleton	083	36	1992-01-01	72.0	69.0	86.6	67.9	77.3	YES	CC	NG	FO2	90.0	
New York Power Authority	Crescent 1		F	24018	Crescent	001	36	1991-07-01	2.8	3.2	3.2	2.8	2.8		HY	WAT		14.4	
New York Power Authority	Crescent 2		F	24018	Crescent	001	36	1991-07-01	2.8	3.2	3.2	2.8	2.8		HY	WAT		16.5	
New York Power Authority	Crescent 3		F	24018	Crescent	001	36	1991-07-01	3.0	3.2	3.2	3.0	3.0		HY	WAT		17.7	
New York Power Authority	Crescent 4		F	24018	Crescent	001	36	1991-07-01	3.0	3.2	3.2	3.0	3.0		HY	WAT		15.7	
New York Power Authority	Vischer Ferry 1		F	24020	Vischer Ferry	091	36	1991-07-01	2.8	3.2	3.2	2.8	2.9		HY	WAT		12.5	
New York Power Authority	Vischer Ferry 2		F	24020	Vischer Ferry	091	36	1991-07-01	2.8	3.2	3.2	2.8	2.9		HY	WAT		15.1	
New York Power Authority	Vischer Ferry 3		F	24020	Vischer Ferry	091	36	1991-07-01	3.0	3.2	3.2	3.0	2.9		HY	WAT		16.8	
New York Power Authority	Vischer Ferry 4		F	24020	Vischer Ferry	091	36	1991-07-01	3.0	3.2	3.2	3.0	2.9		HY	WAT		13.4	
Erie Blvd. Hydro - East Canada Capital	Beardslee 1		F	24051	Little Falls	043	36	1924-01-01	10.0	9.5	9.5	10.0	10.0		HY	WAT		19.4	
Erie Blvd. Hydro - East Canada Capital	Beardslee 2		F	24051	Little Falls	043	36	1924-01-01	10.0	9.5	9.5	10.0	10.0		HY	WAT		33.8	
Erie Blvd. Hydro - East Canada Capital	Ephratah 1		F	24051	Caroga Lake	035	36	1920-01-01	1.4	0.7	0.7	1.4	1.4		HY	WAT		1.0	
Erie Blvd. Hydro - East Canada Capital	Ephratah 2		F	24051	Caroga Lake	035	36	1911-01-01	1.2	0.6	0.6	1.2	1.2		HY	WAT		1.5	
Erie Blvd. Hydro - East Canada Capital	Ephratah 3		F	24051	Caroga Lake	035	36	1911-01-01	1.3	0.0	0.0	1.3	1.3		HY	WAT		0.1	
Erie Blvd. Hydro - East Canada Capital	Ephratah 4		F	24051	Caroga Lake	035	36	1911-01-01	1.3	0.7	0.7	1.3	1.3		HY	WAT		6.5	
Erie Blvd. Hydro - Upper Hudson	E J West 1		F	24058	Hadley	091	36	1930-01-01	10.0	11.9	11.9	11.9	11.9		HY	WAT		28.7	
Erie Blvd. Hydro - Upper Hudson	E J West 2		F	24058	Hadley	091	36	1930-01-01	10.0	11.9	11.9	11.9	11.9		HY	WAT		40.6	
Erie Blvd. Hydro - Upper Hudson	Feeder Dam 1		F	24058	S Glens Falls	091	36	1924-01-01	1.2	0.9	0.9	1.2	1.2		HY	WAT		5.8	
Erie Blvd. Hydro - Upper Hudson	Feeder Dam 2		F	24058	S Glens Falls	091	36	1924-01-01	1.2	0.9	0.9	1.2	1.2		HY	WAT		5.5	
Erie Blvd. Hydro - Upper Hudson	Feeder Dam 3		F	24058	S Glens Falls	091	36	1924-01-01	1.2	0.9	0.9	1.2	1.2		HY	WAT		4.6	
Erie Blvd. Hydro - Upper Hudson	Feeder Dam 4		F	24058	S Glens Falls	091	36	1924-01-01	1.2	0.9	0.9	1.2	1.2		HY	WAT		5.9	
Erie Blvd. Hydro - Upper Hudson	Feeder Dam 5		F	24058	S Glens Falls	091	36	1924-01-01	1.2	0.9	0.9	1.2	1.2		HY	WAT		6.1	
Erie Blvd. Hydro - Upper Hudson	Sherman Island 2		F	24058	Queensbury	113	36	1923-01-01	7.2	8.1	8.1	8.1	8.1		HY	WAT		46.3	
Erie Blvd. Hydro - Upper Hudson	Sherman Island 3		F	24058	Queensbury	113	36	1923-01-01	8.7	9.7	9.7	9.7	9.7		HY	WAT		41.6	
Erie Blvd. Hydro - Upper Hudson	Sherman Island 4		F	24058	Queensbury	113	36	1923-01-01	7.2	8.1	8.1	8.1	8.1		HY	WAT		29.4	
Erie Blvd. Hydro - Upper Hudson	Sherman Island 5		F	24058	Queensbury	113	36	1923-01-01	7.2	8.1	8.1	8.1	8.1		HY	WAT		38.5	
Erie Blvd. Hydro - Upper Hudson	Spier Falls 1		F	24058	Moreau	091	36	1924-01-01	6.8	8.4	8.4	8.1	8.1		HY	WAT		56.5	
Erie Blvd. Hydro - Upper Hudson	Spier Falls 2		F	24058	Moreau	091	36	1930-01-01	37.6	46.9	46.9	38.1	38.1		HY	WAT		195.8	
Erie Blvd. Hydro - Upper Hudson	Stewarts Bridge 1		F	24058	Hadley	091	36	1952-01-01	30.0	35.8	35.8	32.5	32.5		HY	WAT		112.5	
Erie Blvd. Hydro - Lower Hudson	Johnsonville 1		F	24059	Johnsonville	083	36	1909-01-01	1.2	1.3	1.3	1.2	1.2		HY	WAT		6.4	
Erie Blvd. Hydro - Lower Hudson	Johnsonville 2		F	24059	Johnsonville	083	36	1909-01-01	1.2	1.3	1.3	1.2	1.2		HY	WAT		7.2	
Erie Blvd. Hydro - Lower Hudson	Schaghticoke 1		F	24059	Schaghticoke	083	36	1908-01-01	3.3	4.1	4.1	3.3	3.3		HY	WAT		25.0	
Erie Blvd. Hydro - Lower Hudson	Schaghticoke 2		F	24059	Schaghticoke	083	36	1908-01-01	3.3	4.1	4.1	3.3	3.3		HY	WAT		30.0	
Erie Blvd. Hydro - Lower Hudson	Schaghticoke 3		F	24059	Schaghticoke	083	36	1908-01-01	3.3	4.1	4.1	3.3	3.3		HY	WAT		22.5	
Erie Blvd. Hydro - Lower Hudson	Schaghticoke 4		F	24059	Schaghticoke	083	36	1908-01-01	3.3	4.1	4.1	3.3	3.3		HY	WAT		8.9	

Table III-2a: NYISO Market Generators (cont'd)

Owner, Operator, and / or Billing Organization	Station	Unit	Zone	PTID	Location Town	Cnty	St	In-Service Date	Name Plate Rating (D)	2024 CRIS (A) MW		2024 Capability (B) MW		DUAL	Unit Type	Fuel (U) Type 1	Type 2	2023 Net Energy	Notes
								YYYY-MM-DD	MW	SUM	WIN	SUM	WIN					GWh	
Erie Blvd. Hydro - Lower Hudson	School Street 1		F	24059	Cohoes	001	36	1974-01-01	7.2	6.9	6.9	7.2	7.2		HY	WAT		35.3	
Erie Blvd. Hydro - Lower Hudson	School Street 2		F	24059	Cohoes	001	36	1915-01-01	7.2	6.9	6.9	7.2	7.2		HY	WAT		0.0	
Erie Blvd. Hydro - Lower Hudson	School Street 3		F	24059	Cohoes	001	36	1915-01-01	7.2	6.9	6.9	7.2	7.2		HY	WAT		39.2	
Erie Blvd. Hydro - Lower Hudson	School Street 4		F	24059	Cohoes	001	36	1922-01-01	7.2	6.9	6.9	7.2	7.2		HY	WAT		31.7	
Erie Blvd. Hydro - Lower Hudson	School Street 5		F	24059	Cohoes	001	36	1924-01-01	10.0	9.6	9.6	10.0	10.0		HY	WAT		61.8	
GB II New York LLC	Bethlehem GS1		F	323560	Bethlehem	001	36	2005-07-01	297.7	278.3	308.2	272.8	308.7	YES	CC	NG	FO2	6,232.6	(G)
GB II New York LLC	Bethlehem GS2		F	323561	Bethlehem	001	36	2005-07-01	297.7	278.3	308.3	272.8	308.7	YES	CC	NG	FO2		
GB II New York LLC	Bethlehem GS3		F	323562	Bethlehem	001	36	2005-07-01	297.7	278.4	308.3	272.8	308.7	YES	CC	NG	FO2		
Innovative Energy Systems, Inc.	Colonie LFGTE		F	323577	Colonie	001	36	2006-03-01	6.4	6.4	6.4	6.4	6.4		IC	MTE		34.6	
Albany Energy LLC	Albany LFGE		F	323615	Albany	001	36	1998-05-01	5.6	4.5	4.5	5.6	5.6		IC	MTE		8.8	
Innovative Energy Systems, Inc.	Fulton LFGE		F	323630	Johnstown	035	36	2010-06-04	3.2	3.2	3.2	3.2	3.2		IC	MTE		14.6	
SBF New York, L.L.C.	Beacon LESR		F	323632	Stephentown	083	36	2010-11-29	20.0	0.0	0.0	0.0	0.0		ES	FW		-6.9	
Empire Generating Co, LLC	Empire CC1		F	323656	Rensselaer	083	36	2010-09-02	335.0	294.2	360.2	293.7	331.4	YES	CC	NG	FO2	1,313.8	
Empire Generating Co, LLC	Empire CC2		F	323658	Rensselaer	083	36	2010-09-02	335.0	298.2	365.1	293.7	331.4	YES	CC	NG	FO2	1,679.8	
Galt Power Inc.	LaChute		F	323717	Ticonderoga	031	36	1987-12-01	8.9	8.9	8.9	8.9	8.9		HY	WAT		39.3	
Galt Power Inc.	KCE NY 1		F	323755	Stillwater	091	36	2019-03-13	20.0	0.0	0.0	0.0	0.0		ES	BAT		-2.8	
Gravity Renewables, Inc.	Dahowa Hydroelectric		F	323763	Middle Falls	115	36	1987-12-01	12.3	10.5	10.5	12.3	12.3		HY	WAT		42.8	
Galt Power Inc.	Branscomb Solar		F	323811	Easton	115	36	2021-12-18	20.0	20.0	20.0	20.0	20.0		PV	SUN		33.0	
Galt Power Inc.	Darby Solar		F	323810	Easton	115	36	2023-07-01	20.0	20.0	20.0	20.0	20.0		PV	SUN		15.0	(N)(3)
Galt Power Inc.	Regan Solar		F	323812	Greene	057	36	2022-12-28	20.0	20.0	20.0	20.0	20.0		PV	SUN		9.0	
Galt Power Inc.	Grissom Solar		F	323813	Mohawk	057	36	2023-02-23	20.0	20.0	20.0	20.0	20.0		PV	SUN		22.3	
Galt Power Inc.	Stillwater Solar		F	323814	Stillwater	091	36	2024-02-01	20.0	20.0	20.0	20.0	20.0		PV	SUN		1.3	(N)(7)
Galt Power Inc.	Pattersonville Solar		F	323815	Schenectady	093	36	2024-02-24	20.0	20.0	20.0	20.0	20.0		PV	SUN			(N)(8)
Hecate Energy	Albany County Solar 1		F	323833	Colonie	001	36	2024-02-15	20.0	20.0	20.0	20.0	20.0		PV	SUN			(N)(9)
Hecate Energy	Albany County Solar 2		F	323834	Colonie	001	36	2024-02-15	20.0	20.0	20.0	20.0	20.0		PV	SUN			(N)(10)
GenOn Bowline,LLC	Bowline 1		G	23526	West Haverstraw	087	36	1972-09-01	621.0	594.0	594.0	577.8	582.5	YES	ST	NG	FO6	701.2	
GenOn Bowline,LLC	Bowline 2		G	23595	West Haverstraw	087	36	1974-05-01	621.0	575.0	575.0	565.2	577.1	YES	ST	NG	FO6	234.6	
Danskammer Energy ,LLC	Danskammer 1		G	23586	Newburgh	071	36	1951-12-01	72.0	69.0	69.0	68.5	68.9	YES	ST	NG	FO6	1.5	
Danskammer Energy ,LLC	Danskammer 2		G	23589	Newburgh	071	36	1954-09-01	73.5	64.7	64.7	65.0	65.4	YES	ST	NG	FO6	1.3	
Danskammer Energy ,LLC	Danskammer 3		G	23590	Newburgh	071	36	1959-10-01	147.1	139.2	139.2	140.1	142.2		ST	NG		4.4	
Danskammer Energy ,LLC	Danskammer 4		G	23591	Newburgh	071	36	1967-09-01	239.4	238.2	238.2	225.8	230.7		ST	NG		12.0	
Roseton Generating, LLC	Roseton 1		G	23587	Newburgh	071	36	1974-12-01	621.0	614.8	614.8	615.7	613.3	YES	ST	NG	FO6	77.2	
Roseton Generating, LLC	Roseton 2		G	23588	Newburgh	071	36	1974-09-01	621.0	607.7	607.7	612.5	613.0	YES	ST	NG	FO6	115.5	
New York Power Authority	Grahamsville		G	23607	Grahamsville	105	36	1956-12-01	18.0	16.3	16.3	18.0	18.0		HY	WAT		76.0	
New York Power Authority	Neversink		G	23608	Grahamsville	105	36	1953-12-01	25.0	22.0	22.0	25.0	25.0		HY	WAT		21.3	
Central Hudson Gas & Electric Corp.	Coxsackie GT		G	23611	Coxsackie	039	36	1969-12-01	21.6	21.6	26.0	19.7	22.7	YES	GT	NG	KER	0.5	
Central Hudson Gas & Electric Corp.	South Cairo		G	23612	Cairo	039	36	1970-06-01	21.6	19.8	25.9	14.6	20.7		GT	KER		0.1	
Seneca Power Partners, L.P.	Hillburn GT		G	23639	Hillburn	087	36	1971-04-01	46.5	37.9	51.8	36.0	42.7	YES	JE	NG	KER	0.4	

Table III-2a: NYISO Market Generators (cont'd)

Owner, Operator, and / or Billing Organization	Station	Unit	Zone	PTID	Location Town	Cnty	St	In-Service Date	Name Plate Rating (D)	2024 CRIS (A) MW SUM	2024 CRIS (A) MW WIN	2024 Capability (B) MW SUM	2024 Capability (B) MW WIN	DUAL	Unit Type	Fuel (U) Type 1	Fuel (U) Type 2	2023 Net Energy	Notes
								YYYY-MM-DD	MW									GWh	
Seneca Power Partners, L.P.	Shoemaker GT		G	23640	Middletown	071	36	1971-05-01	41.9	33.1	45.2	35.4	40.7	YES	JE	NG	KER	0.5	
Eagle Creek Hydro Power, LLC	Mongaup 1		G	23641	Forestburg	105	36	1923-07-01	1.0	0.9	0.9	0.9	0.9		HY	WAT		60.0	
Eagle Creek Hydro Power, LLC	Mongaup 2		G	23641	Forestburg	105	36	1923-07-01	1.0	1.0	1.0	0.9	0.9		HY	WAT			
Eagle Creek Hydro Power, LLC	Mongaup 3		G	23641	Forestburg	105	36	1923-07-01	1.0	1.0	1.0	0.9	0.9		HY	WAT			
Eagle Creek Hydro Power, LLC	Mongaup 4		G	23641	Forestburg	105	36	1926-01-01	1.0	1.0	1.0	0.9	0.9		HY	WAT			
Eagle Creek Hydro Power, LLC	Rio		G	23641	Glen Spey	105	36	1927-12-01	10.8	10.8	10.8	9.3	9.5		HY	WAT			
Eagle Creek Hydro Power, LLC	Swinging Bridge 2		G	23641	Forestburg	105	36	1930-02-01	9.0	7.9	7.9	7.7	7.9		HY	WAT			
New York Power Authority	Ashokan 1		G	23654	Ashokan	111	36	1982-11-01	2.3	1.8	1.8	4.6	4.6		HY	WAT		5.7	
New York Power Authority	Ashokan 2		G	23654	Ashokan	111	36	1982-11-01	2.3	1.8	1.8	4.6	4.6		HY	WAT		5.0	
Central Hudson Gas & Electric Corp.	DCRRA		G	23765	Poughkeepsie	027	36	1987-09-01	9.2	8.8	8.8	6.2	5.0		ST	REF		10.0	
Erie Blvd. Hydropower LP	West Delaware Hydro		G	323627	Grahamsville	105	36	1988-12-01	7.5	7.5	7.5	7.5	7.5		HY	WAT		16.8	
CPV Valley, LLC	CPV Valley CC1		G	323721	Wawayanda	071	36	2018-03-01	385.0	340.0	380.5	322.7	370.0	YES	CC	NG	FO2	1,322.7	
CPV Valley, LLC	CPV Valley CC2		G	323722	Wawayanda	071	36	2018-03-01	385.0	340.0	380.5	322.7	370.0	YES	CC	NG	FO2	1,312.2	
Cricket Valley Energy Center, LLC	Cricket Valley CC1		G	323756	Dover	027	36	2019-10-29	392.3	364.2	402.4	347.1	378.9		CC	NG		1,799.4	
Cricket Valley Energy Center, LLC	Cricket Valley CC2		G	323757	Dover	028	36	2020-01-03	392.3	361.2	399.1	345.0	379.5		CC	NG		1,633.6	
Cricket Valley Energy Center, LLC	Cricket Valley CC3		G	323758	Dover	029	36	2020-01-17	392.3	364.2	402.4	358.7	380.8		CC	NG		1,782.1	
Orange and Rockland	Pomona ESR		G	323819	Pomona	087	36	2023-07-07	3.0	0.0	0.0	0.0	0.0		ES	BAT		-0.1	**(N)(6)**
Wheelabrator Westchester, LP	Wheelabrator Westchester		H	23653	Peekskill	119	36	1984-04-01	59.7	53.5	53.5	52.5	53.7		ST	REF		398.7	
Direct Energy Marketing Inc	Arthur Kill GT 1		J	23520	Staten Island	085	36	1970-06-01	20.0	16.5	21.6	12.3	15.8		GT	NG		0.6	
Direct Energy Marketing Inc	Arthur Kill ST 2		J	23512	Staten Island	085	36	1959-08-01	376.2	357.7	357.7	362.2	361.0		ST	NG		817.9	
Direct Energy Marketing Inc	Arthur Kill ST 3		J	23513	Staten Island	085	36	1969-06-01	535.5	518.0	518.0	522.7	530.0		ST	NG		225.8	
Consolidated Edison Co. of NY, Inc.	Brooklyn Navy Yard		J	23515	Brooklyn	047	36	1996-11-01	322.0	266.9	348.6	247.5	295.3	YES	CC	NG	FO2	1,953.9	
Astoria Generating Company L.P.	Astoria GT 01		J	23523	Queens	081	36	1967-07-01	16.0	15.7	20.5	13.8	17.6		GT	NG		0.6	
Astoria Generating Company L.P.	Astoria 2		J	24149	Queens	081	36	1954-03-01	180.0	177.0	177.0	171.2	168.5		ST	NG		10.4	
Astoria Generating Company L.P.	Astoria 3		J	23516	Queens	081	36	1958-09-01	376.0	369.9	369.9	372.4	374.4	YES	ST	NG	FO2	354.5	
Astoria Generating Company L.P.	Astoria 5		J	23518	Queens	081	36	1962-05-01	387.0	376.3	376.3	373.3	371.7	YES	ST	NG	FO2	359.3	
NRG Power Marketing LLC	Astoria GT 2-1		J	24094	Queens	081	36	1970-06-01	46.5	41.2	50.7	0.0	0.0	YES	JE	NG	KER	0.5	**(R)(16)**
NRG Power Marketing LLC	Astoria GT 2-2		J	24095	Queens	081	36	1970-06-01	46.5	42.4	52.2	0.0	0.0	YES	JE	NG	KER	0.3	**(R)(17)**
NRG Power Marketing LLC	Astoria GT 2-3		J	24096	Queens	081	36	1970-06-01	46.5	41.2	50.7	0.0	0.0	YES	JE	NG	KER	0.5	**(R)(18)**
NRG Power Marketing LLC	Astoria GT 2-4		J	24097	Queens	081	36	1970-06-01	46.5	41.0	50.5	0.0	0.0	YES	JE	NG	KER	0.5	**(R)(19)**
NRG Power Marketing LLC	Astoria GT 3-1		J	24098	Queens	081	36	1970-06-01	46.5	41.2	50.7	0.0	0.0	YES	JE	NG	KER	0.1	**(R)(20)**
NRG Power Marketing LLC	Astoria GT 3-2		J	24099	Queens	081	36	1970-06-01	46.5	43.5	53.5	0.0	0.0	YES	JE	NG	KER	0.3	**(R)(21)**
NRG Power Marketing LLC	Astoria GT 3-3		J	24100	Queens	081	36	1970-06-01	46.5	43.0	52.9	0.0	0.0	YES	JE	NG	KER	0.6	**(R)(22)**
NRG Power Marketing LLC	Astoria GT 3-4		J	24101	Queens	081	36	1970-06-01	46.5	43.0	52.9	0.0	0.0	YES	JE	NG	KER	0.5	**(R)(23)**
NRG Power Marketing LLC	Astoria GT 4-1		J	24102	Queens	081	36	1970-07-01	46.5	42.6	52.4	0.0	0.0	YES	JE	NG	KER	0.4	**(R)(24)**
NRG Power Marketing LLC	Astoria GT 4-2		J	24103	Queens	081	36	1970-07-01	46.5	41.4	51.0	0.0	0.0	YES	JE	NG	KER	0.5	**(R)(25)**
NRG Power Marketing LLC	Astoria GT 4-3		J	24104	Queens	081	36	1970-07-01	46.5	41.1	50.6	0.0	0.0	YES	JE	NG	KER	0.4	**(R)(26)**
NRG Power Marketing LLC	Astoria GT 4-4		J	24105	Queens	081	36	1970-07-01	46.5	42.8	52.7	0.0	0.0	YES	JE	NG	KER	0.5	**(R)(27)**

Table III-2a: NYISO Market Generators (cont'd)

Owner, Operator, and / or Billing Organization	Station	Unit	Zone	PTID	Location Town	Cnty	St	In-Service Date	Name Plate Rating (D)	2024 CRIS (A) MW SUM	2024 CRIS (A) MW WIN	2024 Capability (B) MW SUM	2024 Capability (B) MW WIN	DUAL	Unit Type	Fuel (U) Type 1	Fuel (U) Type 2	2023 Net Energy	Notes
								YYYY-MM-DD	MW									GWh	
Helix Ravenswood, LLC	Ravenswood ST 01		J	23533	Queens	081	36	1963-02-01	400.0	365.1	365.1	367.0	374.0	YES	ST	NG	FO4	257.2	
Helix Ravenswood, LLC	Ravenswood ST 02		J	23534	Queens	081	36	1963-05-01	400.0	391.6	391.6	375.3	375.2	YES	ST	NG	FO4	211.0	
Helix Ravenswood, LLC	Ravenswood ST 03		J	23535	Queens	081	36	1965-06-01	1,027.0	986.8	986.8	987.3	972.8	YES	ST	NG	FO4	323.9	
Helix Ravenswood, LLC	Ravenswood CC 04		J	23820	Queens	081	36	2004-05-01	250.0	231.2	276.7	228.6	274.0	YES	CC	NG	FO2	1,909.6	
Helix Ravenswood, LLC	Ravenswood 10		J	24258	Queens	081	36	1970-08-01	25.0	21.2	27.0	0.0	0.0	YES	JE	NG	KER	0.8	(R)(28)
Consolidated Edison Co. of NY, Inc.	East River 1		J	323558	Manhattan	061	36	2005-04-01	185.0	160.5	199.0	151.5	197.8	YES	CC	NG	KER	1,029.2	
Consolidated Edison Co. of NY, Inc.	East River 2		J	323559	Manhattan	061	36	2005-04-05	185.0	162.4	201.4	155.0	199.1	YES	CC	NG	KER	992.4	
Consolidated Edison Co. of NY, Inc.	East River 6		J	23660	Manhattan	061	36	1951-11-01	156.2	144.3	144.3	131.6	140.5	YES	ST	NG	FO6	498.6	
Consolidated Edison Co. of NY, Inc.	East River 7		J	23524	Manhattan	061	36	1955-06-01	200.0	186.7	186.7	182.4	186.7	YES	ST	NG	FO6	557.9	
East Coast Power, LLC	Linden Cogen		J	23786	Linden NJ	039	34	1992-05-01	800.0	790.8	924.9	737.1	806.8	YES	CC	NG	BUT	4,390.7	
Calpine Energy Services LP	KIAC_JFK (BTM:NG)		J	323774	Jamaica	081	36	1995-02-01	121.2	117.0	117.0	106.4	97.8	YES	CC	NG	FO2	423.3	(E)(40)
Astoria Generating Company L.P.	Gowanus 2-1		J	24114	Brooklyn	047	36	1971-06-01	20.0	17.9	23.4	16.6	21.1	YES	GT	NG	FO2	0.4	
Astoria Generating Company L.P.	Gowanus 2-2		J	24115	Brooklyn	047	36	1971-06-01	20.0	18.8	24.6	16.5	21.9	YES	GT	NG	FO2	0.7	
Astoria Generating Company L.P.	Gowanus 2-3		J	24116	Brooklyn	047	36	1971-06-01	20.0	20.6	26.9	19.1	23.4	YES	GT	NG	FO2	0.8	
Astoria Generating Company L.P.	Gowanus 2-4		J	24117	Brooklyn	047	36	1971-06-01	20.0	19.3	25.2	16.6	21.0	YES	GT	NG	FO2	0.6	
Astoria Generating Company L.P.	Gowanus 2-5		J	24118	Brooklyn	047	36	1971-06-01	20.0	18.6	24.3	17.6	23.3	YES	GT	NG	FO2	0.9	
Astoria Generating Company L.P.	Gowanus 2-6		J	24119	Brooklyn	047	36	1971-06-01	20.0	20.3	26.5	18.8	23.2	YES	GT	NG	FO2	0.8	
Astoria Generating Company L.P.	Gowanus 2-7		J	24120	Brooklyn	047	36	1971-06-01	20.0	19.6	25.6	18.8	23.6	YES	GT	NG	FO2	1.1	
Astoria Generating Company L.P.	Gowanus 2-8		J	24121	Brooklyn	047	36	1971-06-01	20.0	17.7	23.1	16.9	21.6	YES	GT	NG	FO2	0.9	
Astoria Generating Company L.P.	Gowanus 3-1		J	24122	Brooklyn	047	36	1971-07-01	20.0	17.7	23.1	17.7	21.0	YES	GT	NG	FO2	0.4	
Astoria Generating Company L.P.	Gowanus 3-2		J	24123	Brooklyn	047	36	1971-07-01	20.0	17.7	23.1	16.9	22.5	YES	GT	NG	FO2	0.5	
Astoria Generating Company L.P.	Gowanus 3-3		J	24124	Brooklyn	047	36	1971-07-01	20.0	19.8	25.9	17.6	23.4	YES	GT	NG	FO2	0.4	
Astoria Generating Company L.P.	Gowanus 3-4		J	24125	Brooklyn	047	36	1971-07-01	20.0	17.9	23.4	16.8	21.9	YES	GT	NG	FO2	0.6	
Astoria Generating Company L.P.	Gowanus 3-5		J	24126	Brooklyn	047	36	1971-07-01	20.0	19.0	24.8	17.6	22.5	YES	GT	NG	FO2	0.4	
Astoria Generating Company L.P.	Gowanus 3-6		J	24127	Brooklyn	047	36	1971-07-01	20.0	17.6	23.0	15.6	20.8	YES	GT	NG	FO2	0.3	
Astoria Generating Company L.P.	Gowanus 3-7		J	24128	Brooklyn	047	36	1971-07-01	20.0	18.1	23.6	18.4	23.3	YES	GT	NG	FO2	0.6	
Astoria Generating Company L.P.	Gowanus 3-8		J	24129	Brooklyn	047	36	1971-07-01	20.0	19.0	24.8	17.9	23.1	YES	GT	NG	FO2	0.4	
New York Power Authority	Gowanus 5		J	24156	Brooklyn	047	36	2001-08-01	47.0	45.4	45.4	40.0	40.0		GT	NG		28.0	
New York Power Authority	Gowanus 6		J	24157	Brooklyn	047	36	2001-08-01	47.0	46.1	46.1	39.9	39.9		GT	NG		27.5	
Consolidated Edison Co. of NY, Inc.	59 St. GT 1		J	24138	Manhattan	061	36	1969-06-01	17.1	15.4	20.1	13.9	17.4	YES	GT	NG	KER	0.3	
New York Power Authority	Kent		J	24152	Brooklyn	047	36	2001-08-01	47.0	46.9	46.9	46.0	46.0		GT	NG		33.1	
New York Power Authority	Pouch		J	24155	Staten Island	085	36	2001-08-01	47.0	47.1	47.1	45.4	46.0		GT	NG		43.9	
New York Power Authority	Hellgate 1		J	24158	Bronx	005	36	2001-08-01	47.0	45.0	45.0	39.9	39.9		GT	NG		58.8	
New York Power Authority	Hellgate 2		J	24159	Bronx	005	36	2001-08-01	47.0	45.0	45.0	39.6	40.0		GT	NG		43.8	
New York Power Authority	Harlem River 1		J	24160	Bronx	005	36	2001-08-01	47.0	46.0	46.0	39.9	39.9		GT	NG		59.6	
New York Power Authority	Harlem River 2		J	24161	Bronx	005	36	2001-08-01	47.0	45.2	45.2	39.6	40.0		GT	NG		35.5	
New York Power Authority	Vernon Blvd 2		J	24162	Queens	081	36	2001-08-01	47.0	46.2	46.2	40.0	40.0		GT	NG		61.3	
New York Power Authority	Vernon Blvd 3		J	24163	Queens	081	36	2001-08-01	47.0	43.8	43.8	39.9	39.9		GT	NG		61.5	

Table III-2a: NYISO Market Generators (cont'd)

Owner, Operator, and / or Billing Organization	Station	Unit	Zone	PTID	Location Town	Cnty	St	In-Service Date	Name Plate Rating (D)	2024 CRIS (A) MW SUM	2024 CRIS (A) MW WIN	2024 Capability (B) MW SUM	2024 Capability (B) MW WIN	DUAL	Unit Type	Fuel (U) Type 1	Fuel (U) Type 2	2023 Net Energy	Notes
								YYYY-MM-DD	MW									GWh	
Astoria Generating Company L.P.	Narrows 1-1		J	24228	Brooklyn	047	36	1972-05-01	22.0	21.0	27.4	18.3	23.6	YES	GT	NG	FO2	2.1	
Astoria Generating Company L.P.	Narrows 1-2		J	24229	Brooklyn	047	36	1972-05-01	22.0	19.5	25.5	17.0	22.2	YES	GT	NG	FO2	0.7	
Astoria Generating Company L.P.	Narrows 1-3		J	24230	Brooklyn	047	36	1972-05-01	22.0	20.4	26.6	17.2	22.6	YES	GT	NG	FO2	1.2	
Astoria Generating Company L.P.	Narrows 1-4		J	24231	Brooklyn	047	36	1972-05-01	22.0	20.1	26.3	17.9	23.3	YES	GT	NG	FO2	1.7	
Astoria Generating Company L.P.	Narrows 1-5		J	24232	Brooklyn	047	36	1972-05-01	22.0	19.8	25.9	19.0	24.7	YES	GT	NG	FO2	2.8	
Astoria Generating Company L.P.	Narrows 1-6		J	24233	Brooklyn	047	36	1972-05-01	22.0	18.9	24.7	15.6	20.6	YES	GT	NG	FO2	0.7	
Astoria Generating Company L.P.	Narrows 1-7		J	24234	Brooklyn	047	36	1972-05-01	22.0	18.4	24.0	18.5	24.4	YES	GT	NG	FO2	1.8	
Astoria Generating Company L.P.	Narrows 1-8		J	24235	Brooklyn	047	36	1972-05-01	22.0	19.9	26.0	16.5	21.7	YES	GT	NG	FO2	1.0	
Astoria Generating Company L.P.	Narrows 2-1		J	24236	Brooklyn	047	36	1972-06-01	22.0	19.4	25.3	18.8	23.9	YES	GT	NG	FO2	2.5	
Astoria Generating Company L.P.	Narrows 2-2		J	24237	Brooklyn	047	36	1972-06-01	22.0	18.7	24.4	16.7	21.8	YES	GT	NG	FO2	1.4	
Astoria Generating Company L.P.	Narrows 2-3		J	24238	Brooklyn	047	36	1972-06-01	22.0	18.4	24.0	17.9	22.2	YES	GT	NG	FO2	1.4	
Astoria Generating Company L.P.	Narrows 2-4		J	24239	Brooklyn	047	36	1972-06-01	22.0	18.4	24.0	19.4	24.5	YES	GT	NG	FO2	3.2	
Astoria Generating Company L.P.	Narrows 2-5		J	24240	Brooklyn	047	36	1972-06-01	22.0	19.9	26.0	20.3	24.9	YES	GT	NG	FO2	3.6	
Astoria Generating Company L.P.	Narrows 2-6		J	24241	Brooklyn	047	36	1972-06-01	22.0	18.1	23.6	16.1	20.3	YES	GT	NG	FO2	1.1	
Astoria Generating Company L.P.	Narrows 2-7		J	24242	Brooklyn	047	36	1972-06-01	22.0	20.7	27.0	18.5	23.7	YES	GT	NG	FO2	2.1	
Astoria Generating Company L.P.	Narrows 2-8		J	24243	Brooklyn	047	36	1972-06-01	22.0	17.5	22.9	16.6	21.3	YES	GT	NG	FO2	1.0	
New York Power Authority	Astoria CC 1		J	323568	Queens	081	36	2006-01-01	288.0	246.2	270.2	237.0	270.2	YES	CC	NG	FO2	3,413.0	(G)
New York Power Authority	Astoria CC 2		J	323569	Queens	081	36	2006-01-01	288.0	246.2	270.2	237.0	270.2	YES	CC	NG	FO2		
Astoria Energy LLC	Astoria East Energy - CC1		J	323581	Queens	081	36	2006-04-01	320.0	292.6	355.3	289.6	334.9	YES	CC	NG	FO2	4,113.3	(G)
Astoria Energy LLC	Astoria East Energy - CC2		J	323582	Queens	081	36	2006-04-01	320.0	292.6	355.3	289.6	334.9	YES	CC	NG	FO2		
Astoria Energy II, LLC	Astoria Energy 2 - CC3		J	323677	Queens	081	36	2011-07-01	330.0	288.0	376.3	285.3	329.8	YES	CC	NG	FO2	3,903.6	(G)
Astoria Energy II, LLC	Astoria Energy 2 - CC4		J	323678	Queens	081	36	2011-07-01	330.0	288.0	376.3	285.3	329.8	YES	CC	NG	FO2		
Bayonne Energy Center, LLC	Bayonne EC CTG1		J	323682	Bayonne NJ	017	34	2012-06-01	64.0	63.2	66.1	62.0	62.6	YES	JE	NG	KER	101.8	
Bayonne Energy Center, LLC	Bayonne EC CTG2		J	323683	Bayonne NJ	017	34	2012-06-01	64.0	63.2	66.1	58.0	62.5	YES	JE	NG	KER	76.9	
Bayonne Energy Center, LLC	Bayonne EC CTG3		J	323684	Bayonne NJ	017	34	2012-06-01	64.0	63.2	66.1	58.0	63.0	YES	JE	NG	KER	47.0	
Bayonne Energy Center, LLC	Bayonne EC CTG4		J	323685	Bayonne NJ	017	34	2012-06-01	64.0	63.2	66.1	61.1	62.8	YES	JE	NG	KER	79.5	
Bayonne Energy Center, LLC	Bayonne EC CTG5		J	323686	Bayonne NJ	017	34	2012-06-01	64.0	63.2	66.1	58.5	62.4	YES	JE	NG	KER	38.1	
Bayonne Energy Center, LLC	Bayonne EC CTG6		J	323687	Bayonne NJ	017	34	2012-06-01	64.0	63.2	66.1	59.0	62.9	YES	JE	NG	KER	39.5	
Bayonne Energy Center, LLC	Bayonne EC CTG7		J	323688	Bayonne NJ	017	34	2012-06-01	64.0	63.2	66.1	59.3	62.5	YES	JE	NG	KER	88.3	
Bayonne Energy Center, LLC	Bayonne EC CTG8		J	323689	Bayonne NJ	017	34	2012-06-01	64.0	63.2	66.1	60.0	63.0	YES	JE	NG	KER	72.2	
Bayonne Energy Center, LLC	Bayonne EC CTG9		J	323749	Bayonne NJ	017	34	2018-06-01	64.0	63.4	66.3	61.3	65.0	YES	JE	NG	KER	101.8	
Bayonne Energy Center, LLC	Bayonne EC CTG10		J	323750	Bayonne NJ	017	34	2018-06-01	64.0	63.4	66.3	61.4	64.9	YES	JE	NG	KER	106.6	
Cubit Power One Inc.	Arthur Kill Cogen		J	323718	Staten Island	085	36	2018-05-22	11.1	11.1	11.1	11.1	10.7		IC	NG		51.3	(I)(12)
New York Power Authority	Greenport IC 4		K	1652	Greenport	103	36	1957-06-06	1.2	1.7	1.7	1.0	1.0		IC	FO2		0.0	
New York Power Authority	Greenport IC 5		K	1652	Greenport	103	36	1965-07-08	1.8	1.7	1.7	1.5	1.5		IC	FO2		0.0	
New York Power Authority	Greenport IC 6		K	1652	Greenport	103	36	1971-09-17	3.8	2.7	2.7	3.1	3.1		IC	FO2		0.0	
Freeport Electric	Freeport 1-2		K	1660	Freeport	059	36	1949-08-01	2.9	2.0	2.0	2.5	2.0		IC	FO2		0.0	
Freeport Electric	Freeport 1-3		K	1660	Freeport	059	36	1954-08-01	3.4	2.1	2.1	2.9	2.1		IC	FO2		0.0	

Table III-2a: NYISO Market Generators (cont'd)

Owner, Operator, and / or Billing Organization	Station	Unit	Zone	PTID	Location Town	Cnty	St	In-Service Date	Name Plate Rating (D)	2024 CRIS (A) MW		2024 Capability (B) MW		DUAL	Unit Type	Fuel (U) Type 1	Type 2	2023 Net Energy	Notes
								YYYY-MM-DD	MW	SUM	WIN	SUM	WIN					GWh	
Freeport Electric	Freeport 2-3		K	1660	Freeport	059	36	1973-05-01	18.2	18.1	18.1	15.7	18.3		GT	KER		0.1	
Rockville Centre, Village of	Charles P Keller 09		K	1661	Rockville Centre	059	36	1954-09-01	3.5	3.3	3.3	1.9	1.9	YES	IC	NG	FO2	0.0	
Rockville Centre, Village of	Charles P Keller 10		K	1661	Rockville Centre	059	36	1954-09-01	3.5	3.2	3.2	1.9	1.9	YES	IC	NG	FO2	0.0	
Rockville Centre, Village of	Charles P Keller 11		K	1661	Rockville Centre	059	36	1962-09-01	5.2	5.2	5.2	2.8	2.8	YES	IC	NG	FO2	0.0	
Rockville Centre, Village of	Charles P Keller 12		K	1661	Rockville Centre	059	36	1967-09-01	5.5	5.5	5.5	3.0	3.0	YES	IC	NG	FO2	0.0	
Rockville Centre, Village of	Charles P Keller 13		K	1661	Rockville Centre	059	36	1974-09-01	5.5	5.6	5.6	3.0	3.0	YES	IC	NG	FO2	0.0	
Rockville Centre, Village of	Charles P Keller 14		K	1661	Rockville Centre	059	36	1994-09-01	6.2	6.3	6.3	3.4	3.4	YES	IC	NG	FO2	0.2	
Long Island Power Authority	Wading River 1		K	23522	Shoreham	103	36	1989-08-01	79.5	81.2	106.1	79.7	97.6		GT	FO2		5.1	
Long Island Power Authority	Wading River 2		K	23547	Shoreham	103	36	1989-08-01	79.5	81.3	106.2	76.4	96.6		GT	FO2		2.8	
Long Island Power Authority	Wading River 3		K	23601	Shoreham	103	36	1989-08-01	79.5	81.3	106.2	75.3	97.9		GT	FO2		4.7	
Long Island Power Authority	Barrett ST 01		K	23545	Island Park	059	36	1956-11-01	188.0	200.2	200.2	195.0	192.5	YES	ST	NG	FO6	806.9	
Long Island Power Authority	Barrett ST 02		K	23546	Island Park	059	36	1963-10-01	188.0	197.5	197.5	188.0	190.2	YES	ST	NG	FO6	491.7	
Long Island Power Authority	Barrett GT 01		K	23704	Island Park	059	36	1970-06-01	18.0	18.1	23.6	14.0	20.0	YES	GT	NG	FO2	4.1	
Long Island Power Authority	Barrett GT 02		K	23705	Island Park	059	36	1970-06-01	18.0	17.4	22.7	13.6	19.8	YES	GT	NG	FO2	4.9	
Long Island Power Authority	Barrett 03		K	23706	Island Park	059	36	1970-06-01	18.0	17.9	23.4	13.7	19.1	YES	GT	NG	FO2	3.9	
Long Island Power Authority	Barrett 04		K	23707	Island Park	059	36	1970-07-01	18.0	17.7	23.1	15.8	18.2	YES	GT	NG	FO2	2.9	
Long Island Power Authority	Barrett 05		K	23708	Island Park	059	36	1970-07-01	18.0	17.8	23.3	13.5	16.5	YES	GT	NG	FO2	3.2	
Long Island Power Authority	Barrett 06		K	23709	Island Park	059	36	1970-07-01	18.0	17.8	23.3	14.1	18.8	YES	GT	NG	FO2	3.8	
Long Island Power Authority	Barrett 08		K	23711	Island Park	059	36	1970-07-01	18.0	17.3	22.6	12.3	15.6	YES	GT	NG	FO2	3.8	
Long Island Power Authority	Barrett 09		K	23700	Island Park	059	36	1971-06-01	41.8	43.4	55.2	31.2	49.2	YES	JE	NG	FO2	18.6	
Long Island Power Authority	Barrett 10		K	23701	Island Park	059	36	1971-06-01	41.8	42.7	54.3	39.6	48.0	YES	JE	NG	FO2	37.9	
Long Island Power Authority	Barrett 11		K	23702	Island Park	059	36	1971-06-01	41.8	43.3	55.1	39.0	48.3	YES	JE	NG	FO2	30.1	
Long Island Power Authority	Barrett 12		K	23703	Island Park	059	36	1971-06-01	41.8	44.0	56.0	39.4	47.7	YES	JE	NG	FO2	16.1	
Long Island Power Authority	Northport 1		K	23551	Northport	103	36	1967-07-01	387.0	395.0	395.0	398.0	398.3	YES	ST	NG	FO6	730.1	
Long Island Power Authority	Northport 2		K	23552	Northport	103	36	1968-06-01	387.0	396.0	396.0	399.4	399.2	YES	ST	NG	FO6	659.1	
Long Island Power Authority	Northport 3		K	23553	Northport	103	36	1972-07-01	387.0	399.2	399.2	388.5	398.0	YES	ST	NG	FO6	719.6	
Long Island Power Authority	Northport 4		K	23650	Northport	103	36	1977-12-01	387.0	399.2	399.2	368.0	368.2	YES	ST	NG	FO6	281.3	
Long Island Power Authority	Port Jefferson GT 02		K	24210	Port Jefferson	103	36	2002-07-01	53.0	44.0	52.0	40.6	43.4	YES	GT	NG	FO2	23.8	
Long Island Power Authority	Port Jefferson GT 03		K	24211	Port Jefferson	103	36	2002-07-01	53.0	43.1	50.9	40.0	48.3	YES	GT	NG	FO2	39.8	
Long Island Power Authority	Port Jefferson 3		K	23555	Port Jefferson	103	36	1958-11-01	188.0	194.5	194.5	189.7	194.5	YES	ST	NG	FO6	169.9	
Long Island Power Authority	Port Jefferson 4		K	23616	Port Jefferson	103	36	1960-11-01	188.0	198.7	198.7	194.0	189.4	YES	ST	NG	FO6	122.2	
Long Island Power Authority	Hempstead (RR)		K	23647	Hempstead	059	36	1989-10-01	78.6	73.7	73.7	74.8	75.8		ST	REF		499.0	
Long Island Power Authority	Glenwood GT 02		K	23688	Glenwood	059	36	1972-06-01	55.0	52.7	68.8	59.3	62.9		GT	FO2		0.3	
Long Island Power Authority	Glenwood GT 03		K	23689	Glenwood	059	36	1972-06-01	55.0	54.7	71.5	52.0	65.9		GT	FO2		0.3	
Long Island Power Authority	Glenwood GT 04		K	24219	Glenwood	059	36	2002-06-01	53.0	42.3	50.0	43.3	46.2	YES	GT	NG	FO2	70.4	
Long Island Power Authority	Glenwood GT 05		K	24220	Glenwood	059	36	2002-06-01	53.0	42.0	49.6	44.1	46.3	YES	GT	NG	FO2	84.0	
Long Island Power Authority	Holtsville 01		K	23690	Holtsville	103	36	1974-07-01	56.7	56.7	72.1	55.0	65.2		JE	FO2		2.0	
Long Island Power Authority	Holtsville 02		K	23691	Holtsville	103	36	1974-07-01	56.7	55.3	70.3	57.0	65.4		JE	FO2		1.5	

Table III-2a: NYISO Market Generators (cont'd)

Owner, Operator, and / or Billing Organization	Station	Unit	Zone	PTID	Location Town	Cnty	St	In-Service Date	Name Plate Rating (D)	2024 CRIS (A) MW SUM	2024 CRIS (A) MW WIN	2024 Capability (B) MW SUM	2024 Capability (B) MW WIN	DUAL	Unit Type	Fuel (U) Type 1	Fuel (U) Type 2	2023 Net Energy	Notes
								YYYY-MM-DD	MW									GWh	
Long Island Power Authority	Holtsville 03		K	23692	Holtsville	103	36	1974-07-01	56.7	52.1	66.3	51.1	63.7		JE	FO2		1.5	
Long Island Power Authority	Holtsville 04		K	23693	Holtsville	103	36	1974-07-01	56.7	52.7	67.0	54.3	63.9		JE	FO2		1.2	
Long Island Power Authority	Holtsville 05		K	23694	Holtsville	103	36	1974-07-01	56.7	55.3	70.3	53.4	62.2		JE	FO2		2.0	
Long Island Power Authority	Holtsville 06		K	23695	Holtsville	103	36	1975-07-01	56.7	53.0	67.4	49.1	65.0		JE	FO2		2.7	
Long Island Power Authority	Holtsville 07		K	23696	Holtsville	103	36	1975-07-01	56.7	55.1	70.1	53.0	62.2		JE	FO2		0.8	
Long Island Power Authority	Holtsville 08		K	23697	Holtsville	103	36	1975-07-01	56.7	57.4	73.0	52.1	64.8		JE	FO2		0.7	
Long Island Power Authority	Holtsville 09		K	23698	Holtsville	103	36	1975-07-01	56.7	57.5	73.1	54.2	66.7		JE	FO2		2.3	
Long Island Power Authority	Holtsville 10		K	23699	Holtsville	103	36	1975-07-01	56.7	55.1	70.1	46.1	63.0		JE	FO2		1.1	
Long Island Power Authority	Shoreham 1		K	23715	Shoreham	103	36	1971-07-01	52.9	48.9	63.9	42.0	63.0		GT	FO2		0.3	
Long Island Power Authority	Shoreham 2		K	23716	Shoreham	103	36	1984-04-01	18.6	18.5	23.5	17.4	21.5		JE	FO2		0.5	
RWE Clean Energy Wholesale Services, Inc.	Shoreham GT3		K	24213	Shoreham	103	36	2002-08-01	50.0	45.4	45.4	42.1	45.8		GT	FO2		6.3	
RWE Clean Energy Wholesale Services, Inc.	Shoreham GT4		K	24214	Shoreham	103	36	2002-08-01	50.0	43.9	43.9	41.2	45.4		GT	FO2		7.1	
Long Island Power Authority	East Hampton GT 01		K	23717	E Hampton	103	36	1970-12-01	21.3	19.2	24.4	18.2	23.5		JE	FO2		10.2	
Long Island Power Authority	East Hampton 2		K	23722	E Hampton	103	36	1962-12-01	2.0	2.0	2.0	2.0	2.0		IC	FO2		0.7	
Long Island Power Authority	East Hampton 3		K	23722	E Hampton	103	36	1962-12-01	2.0	2.0	2.0	2.0	2.0		IC	FO2		0.5	
Long Island Power Authority	East Hampton 4		K	23722	E Hampton	103	36	1962-12-01	2.0	2.0	2.0	2.0	2.0		IC	FO2		0.8	
Long Island Power Authority	Southold 1		K	23719	Southold	103	36	1964-08-01	14.0	12.3	16.1	9.4	12.7		GT	FO2		0.7	
Long Island Power Authority	S Hampton 1		K	23720	South Hampton	103	36	1963-03-01	11.5	10.3	13.5	7.8	11.7		GT	FO2		0.0	
RWE Clean Energy Wholesale Services, Inc.	Freeport CT 1		K	23764	Freeport	059	36	2004-06-01	60.0	48.3	51.3	45.9	47.1	YES	GT	NG	FO2	54.6	
Freeport Electric	Freeport CT 2		K	23818	Freeport	059	36	2004-03-01	50.0	50.3	50.3	43.0	43.0	YES	GT	NG	KER	24.0	
New York Power Authority	Flynn		K	23794	Holtsville	103	36	1994-05-01	170.0	135.5	168.4	139.5	160.0	YES	CC	NG	FO2	401.2	
Long Island Power Authority	Greenport GT1		K	23814	Greenport	103	36	2003-07-02	54.0	51.9	52.4	51.2	55.5		JE	FO2		15.6	
MPH Rockaway Peakers, LLC	Far Rockaway GT1		K	24212	Far Rockaway	081	36	2002-07-01	60.5	53.5	73.1	48.9	50.0		JE	NG		62.9	
MPH Rockaway Peakers, LLC	Far Rockaway GT2		K	23815	Jamaica Bay	081	36	2003-07-02	60.5	55.4	75.7	55.7	60.0	YES	JE	NG	FO2	55.6	
Calpine Energy Services LP	Bethpage		K	23823	Hicksville	059	36	1989-09-01	83.6	54.9	55.1	52.0	56.9	YES	CC	NG	FO2	258.9	
Long Island Power Authority	Bethpage 3		K	323564	Hicksville	059	36	2005-05-01	96.0	79.9	91.4	76.0	77.3		CC	NG		174.9	
Calpine Energy Services LP	Bethpage GT4		K	323586	Hicksville	059	36	2002-07-01	60.0	48.2	51.2	43.6	46.7		GT	NG		156.2	
Calpine Energy Services LP	Stony Brook	(BTM:NG)	K	24151	Stony Brook	103	36	1995-04-01	47.0	0.0	0.0	0.0	0.0	YES	GT	NG	FO2	288.5	(E)(36)
New York Power Authority	Brentwood		K	24164	Brentwood	103	36	2001-08-01	47.0	47.1	47.1	45.0	46.0		GT	NG		36.9	
RWE Clean Energy Wholesale Services, Inc.	Pilgrim GT1		K	24216	Brentwood	103	36	2002-08-01	50.0	45.6	45.6	41.9	44.6		GT	NG		53.6	
RWE Clean Energy Wholesale Services, Inc.	Pilgrim GT2		K	24217	Brentwood	103	36	2002-08-01	50.0	46.2	46.2	41.9	45.4		GT	NG		43.6	
Long Island Power Authority	Pinelawn Power 1		K	323563	Babylon	103	36	2005-06-01	82.0	78.0	78.0	73.4	77.3	YES	CC	NG	KER	81.7	
Long Island Power Authority	Caithness_CC_1		K	323624	Brookhaven	103	36	2009-08-01	375.0	315.6	389.8	306.9	359.0	YES	CC	NG	FO2	2,464.3	
Long Island Power Authority	Islip (RR)		K	323679	Ronkonkoma	103	36	1990-03-01	12.5	11.2	11.2	8.5	8.0		ST	REF		54.1	
Long Island Power Authority	Long Island Solar Farm		K	323691	Upton	103	36	2011-11-01	31.5	31.5	31.5	31.5	31.5		PV	SUN		45.6	
Long Island Power Authority	Calverton Solar		K	323806	Riverhead	103	36	2022-06-02	22.9	22.9	22.9	22.9	22.9		PV	SUN		43.5	
Long Island Power Authority	Babylon (RR)		K	323704	Babylon	103	36	1989-04-01	17.0	15.5	15.5	15.6	15.3		ST	REF		118.1	
Long Island Power Authority	Huntington (RR)		K	323705	Huntington	103	36	1991-12-01	28.0	24.7	24.7	24.7	24.5		ST	REF		195.1	
Table III-2a - NYISO Market Totals:									**42,696.7**	**39,307.6**	**42,251.5**	**37,374.9**	**39,704.8**					**122,649.0**	

Table III-2b: Non-Market Generators

Owner, Operator, and / or Billing Organization	Station	Unit	Zone	PTID	Location Town	Cnty	St	In-Service Date	Name Plate Rating (D)	2024 CRIS (A) MW SUM	2024 CRIS (A) MW WIN	2024 Capability (B) MW SUM	2024 Capability (B) MW WIN	DUAL	Unit Type	Fuel (U) Type 1	Fuel (U) Type 2	2023 Net (C) Energy	Notes
								YYYY-MM-DD	MW									GWh	
Niagara Mohawk Power Corp.	Allied Frozen Storage		A	23774	Cheektowaga	029	36	2008-05-01	0.1	0.0	0.0	0.0	0.0		IC	NG		0.0	
Niagara Mohawk Power Corp.	Burt Dam Hydro		A	23774	Burt	063	36	1987-12-01	0.6	0.0	0.0	0.0	0.0		HY	WAT		0.8	
Niagara Mohawk Power Corp.	Cal Ban Power		A	23774	Allegany	003	36	1995-06-01	0.1	0.0	0.0	0.0	0.0		IC	NG		0.0	
Niagara Mohawk Power Corp.	Hydrocarbon-Algny		A	23774	Allegany	003	36	1992-12-01	0.2	0.0	0.0	0.0	0.0		IC	NG		0.0	
Niagara Mohawk Power Corp.	Laidlaw Energy		A	23774	Ellicottville	009	36	1991-07-01	3.4	0.0	0.0	0.0	0.0		GT	NG		0.0	
Niagara Mohawk Power Corp.	Laidlaw Energy		A	23774	Ellicottville	009	36	1991-07-01	2.4	0.0	0.0	0.0	0.0		ST	NG		0.0	
Niagara Mohawk Power Corp.	Sustainable Bioelectric LLC		A	23774	Wheatfield	063	36	2014-03-01	0.6	0.0	0.0	0.0	0.0		IC	MTE		3.7	
Niagara Mohawk Power Corp.	General Mills Inc		A	23808	Buffalo	029	36	1988-12-01	3.8	0.0	0.0	0.0	0.0		GT	NG		0.0	
Rochester Gas and Electric Corp.	Mills Mills		B	5059	Fillmore	003	36	1906-07-01	0.2	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Rochester Gas and Electric Corp.	Mt Morris		B	5060	Mt Morris	051	36	1916-07-01	0.3	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	United States Gypsum		B	23774	Batavia	037	36	2009-11-01	5.8	0.0	0.0	0.0	0.0		CG	NG		1.1	
New York State Elec. & Gas Corp.	AA Dairy		C	5013	Ithaca	109	36	1998-06-01	0.1	0.0	0.0	0.0	0.0		IC	MTE		0.0	
New York State Elec. & Gas Corp.	Auburn - Mill St.		C	5014	Auburn	011	36	1981-10-01	0.4	0.0	0.0	0.0	0.0		HY	WAT		0.0	
New York State Elec. & Gas Corp.	Auburn - No. Div.St		C	5015	Auburn	011	36	1992-12-01	0.8	0.0	0.0	0.0	0.0		HY	WAT		0.0	
New York State Elec. & Gas Corp.	Montville Falls		C	5019	Moravia	011	36	1992-08-01	0.2	0.0	0.0	0.0	0.0		HY	WAT		0.0	
New York State Elec. & Gas Corp.	Waterloo 2		C	5020	Waterloo	099	36	1998-06-01	0.5	0.0	0.0	0.0	0.0		HY	WAT		0.0	
New York State Elec. & Gas Corp.	Waterloo 3		C	5021	Waterloo	099	36	1998-06-01	0.5	0.0	0.0	0.0	0.0		HY	WAT		0.0	
New York State Elec. & Gas Corp.	Waterloo 4		C	5022	Waterloo	099	36	1998-06-01	0.5	0.0	0.0	0.0	0.0		HY	WAT		0.0	
NRG Power Marketing LLC	Oswego IC 1		C	5052	Oswego	075	36	1967-08-01	0.7	0.0	0.0	0.0	0.0		IC	FO2		0.0	
NRG Power Marketing LLC	Oswego IC 2		C	5053	Oswego	075	36	1976-02-01	0.8	0.0	0.0	0.0	0.0		IC	FO2		0.0	
NRG Power Marketing LLC	Oswego IC 3		C	5054	Oswego	075	36	1980-07-01	0.8	0.0	0.0	0.0	0.0		IC	FO2		0.0	
New York State Elec. & Gas Corp.	Seneca Falls 1		C	23627	Seneca Falls	099	36	1998-06-01	1.8	0.0	0.0	0.0	0.0		HY	WAT		0.0	
New York State Elec. & Gas Corp.	Seneca Falls 2		C	23627	Seneca Falls	099	36	1998-06-01	1.8	0.0	0.0	0.0	0.0		HY	WAT		0.0	
New York State Elec. & Gas Corp.	Seneca Falls 4		C	23627	Seneca Falls	099	36	1998-06-01	2.0	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	City of Oswego (High Dam)		C	23634	Oswego	075	36	1994-02-01	11.9	0.0	0.0	0.0	0.0		HY	WAT		0.2	
Niagara Mohawk Power Corp.	Nottingham High School		C	23634	Syracuse	067	36	1988-06-01	0.2	0.0	0.0	0.0	0.0		CG	NG		0.0	
Niagara Mohawk Power Corp.	Onondaga Energy Partners		C	23634	Onondaga	067	36	1987-12-01	1.4	0.0	0.0	0.0	0.0		IC	MTE		0.0	
Niagara Mohawk Power Corp.	Oswego County		C	23634	Oswego	075	36	1986-03-01	3.6	0.0	0.0	0.0	0.0		ST	REF		3.0	
Niagara Mohawk Power Corp.	Oswego Hydro Partners LP (Phoenix)		C	23634	Phoenix	075	36	1990-12-01	3.4	0.0	0.0	0.0	0.0		HY	WAT		10.9	
Niagara Mohawk Power Corp.	Seneca Limited		C	23634	Syracuse	067	36	1985-12-01	0.2	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	Wave Hydro LLC		C	23634	Baldwinsville	067	36	2010-02-07	0.8	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	Onondaga County		C	23987	North Syracuse	067	36	1994-12-01	39.5	0.0	0.0	0.0	0.0		ST	REF		225.3	
New York State Elec. & Gas Corp.	Chasm Falls Hydro		D	5016	Chateaugay	033	36	1982-03-01	1.6	0.0	0.0	0.0	0.0		HY	WAT		0.0	
New York State Elec. & Gas Corp.	Harris Lake		D	5018	Newcomb	031	36	1967-08-01	1.7	0.0	0.0	0.0	0.0		IC	FO2		0.0	
New York State Elec. & Gas Corp.	Lower Saranac 1		D	23913	Schuyler Falls	019	36	1990-10-01	3.2	0.0	0.0	0.0	0.0		HY	WAT		0.0	
New York State Elec. & Gas Corp.	Lower Saranac 2		D	23913	Schuyler Falls	019	36	1990-10-01	3.2	0.0	0.0	0.0	0.0		HY	WAT		0.0	
New York State Elec. & Gas Corp.	Lower Saranac 3		D	23913	Schuyler Falls	019	36	1990-10-01	0.3	0.0	0.0	0.0	0.0		HY	WAT		0.0	
New York State Elec. & Gas Corp.	Alice Falls 1		D	23915	Ausable	019	36	1991-11-01	1.5	0.0	0.0	0.0	0.0		HY	WAT		0.0	

Table III-2b: Non-Market Generators (cont'd)

Owner, Operator, and / or Billing Organization	Station	Unit	Zone	PTID	Location Town	Cnty	St	In-Service Date	Name Plate Rating (D)	2024 CRIS (A) MW SUM	2024 CRIS (A) MW WIN	2024 Capability (B) MW SUM	2024 Capability (B) MW WIN	DUAL	Unit Type	Fuel (U) Type 1	Fuel (U) Type 2	2023 Net (C) Energy	Notes
								YYYY-MM-DD	MW									GWh	
New York State Elec. & Gas Corp.	Alice Falls 2		D	23915	Ausable	019	36	1991-11-01	0.6	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	Azure Mountain		D	24055	St. Regis Falls	033	36	1993-08-01	0.6	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	Bellows Towers		D	24055	Malone	033	36	1987-06-01	0.2	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	Franklin Hydro		D	24055	Franklin Falls	033	36	1995-03-01	0.3	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	Oakvale Construction		D	24055	Wilmington	031	36	2009-11-01	0.4	0.0	0.0	0.0	0.0		HY	WAT		2.4	
Niagara Mohawk Power Corp.	Synergics - Union Falls		D	24055	Union Falls	019	36	1987-12-01	3.0	0.0	0.0	0.0	0.0		HY	WAT		9.8	
Niagara Mohawk Power Corp.	Village of Saranac Lake		D	24055	Saranac Lake	033	36	1996-12-01	0.2	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Triton Power Company	Chateaugay High Falls		D	323578	Chateaugay	033	36	1987-12-01	1.7	0.0	0.0	0.0	0.0		HY	WAT		2.1	(32)
Niagara Mohawk Power Corp.	Fortis Energy - Philadelphia		E	1656	Philadelphia	045	36	1986-08-01	3.6	0.0	0.0	0.0	0.0		HY	WAT		9.7	
Niagara Mohawk Power Corp.	Adams Hydro		E	23633	Adams	045	36	1987-11-01	0.2	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	Algon.-Herkimer		E	23633	Herkimer	043	36	1987-12-01	1.6	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	Algon.-Otter Creek		E	23633	Greig	049	36	1986-11-01	0.5	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	Beaver Falls #1		E	23633	Beaver Falls	049	36	1986-01-01	1.5	0.0	0.0	0.0	0.0		HY	WAT		4.9	
Niagara Mohawk Power Corp.	Beaver Falls #2		E	23633	Beaver Falls	049	36	1986-01-01	1.0	0.0	0.0	0.0	0.0		HY	WAT		9.7	
Niagara Mohawk Power Corp.	Black River Hyd#1 - Rock Isl.		E	23633	Port Leyden	049	36	1984-07-01	1.9	0.0	0.0	0.0	0.0		HY	WAT		6.3	
Niagara Mohawk Power Corp.	Black River Hyd#2 - Denley		E	23633	Port Leyden	049	36	1985-12-01	1.6	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	Black River Hyd#3 - Pt. Leyden		E	23633	Port Leyden	049	36	1984-07-01	2.2	0.0	0.0	0.0	0.0		HY	WAT		10.7	
Niagara Mohawk Power Corp.	Burrstone Engy Center, LLC LU		E	23633	Utica	065	36	2009-11-01	1.1	0.0	0.0	0.0	0.0		IC	NG		1.2	
Niagara Mohawk Power Corp.	Burrstone Engy Center, LLC U		E	23633	Utica	065	36	2009-11-01	2.2	0.0	0.0	0.0	0.0		IC	NG		0.1	
Niagara Mohawk Power Corp.	C.H.I. (Dexter) Hydro		E	23633	Dexter	045	36	1988-01-01	4.2	0.0	0.0	0.0	0.0		HY	WAT		6.9	
Niagara Mohawk Power Corp.	C.H.I. (Diamond Is)		E	23633	Watertown	045	36	1986-01-01	1.2	0.0	0.0	0.0	0.0		HY	WAT		3.9	
Niagara Mohawk Power Corp.	C.H.I. (Fowler)		E	23633	Fowler	049	36	1986-01-01	0.6	0.0	0.0	0.0	0.0		HY	WAT		3.5	
Niagara Mohawk Power Corp.	C.H.I. (Hailsboro #3)		E	23633	Hailsboro	089	36	1986-01-01	0.8	0.9	0.9	0.0	0.0		HY	WAT		3.8	
Niagara Mohawk Power Corp.	C.H.I. (Hailsboro #4)		E	23633	Hailsboro	089	36	1986-01-01	1.4	0.9	0.8	0.0	0.0		HY	WAT		8.1	
Niagara Mohawk Power Corp.	C.H.I. (Hailsboro #6)		E	23633	Hailsboro	089	36	1986-01-01	0.8	1.0	1.0	0.0	0.0		HY	WAT		3.1	
Niagara Mohawk Power Corp.	C.H.I. (Theresa)		E	23633	Theresa	089	36	1986-01-01	1.3	0.0	0.0	0.0	0.0		HY	WAT		1.3	
Niagara Mohawk Power Corp.	Cellu-Tissue Corp - Natural Dam		E	23633	Gouverneur	089	36	1986-01-01	1.0	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	City of Utica - Sand Road		E	23633	Utica	065	36	1993-05-01	0.2	0.0	0.0	0.0	0.0		HY	WAT		1.6	
Niagara Mohawk Power Corp.	City of Utica -Trenton Falls		E	23633	Utica	065	36	1993-02-01	0.2	0.0	0.0	0.0	0.0		HY	WAT		0.2	
Niagara Mohawk Power Corp.	City of Watertown		E	23633	Watertown	045	36	1986-01-01	8.1	0.0	0.0	0.0	0.0		HY	WAT		13.3	
Niagara Mohawk Power Corp.	Copenhagen Assoc.		E	23633	Copenhagen	049	36	1986-01-01	3.3	0.0	0.0	0.0	0.0		HY	WAT		9.0	
Niagara Mohawk Power Corp.	Cranberry Lake		E	23633	Cranberry Lake	049	36	1987-12-01	0.5	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	Empire Hydro Partners		E	23633	Port Leyden	049	36	1984-11-01	1.0	0.0	0.0	0.0	0.0		HY	WAT		5.2	
Niagara Mohawk Power Corp.	Forestport Hydro		E	23633	Forestport	065	36	1987-12-01	3.4	0.0	0.0	0.0	0.0		HY	WAT		9.5	
Niagara Mohawk Power Corp.	Fortis Energy - Diana		E	23633	Diana	049	36	1985-07-01	1.8	0.0	0.0	0.0	0.0		HY	WAT		8.3	
Niagara Mohawk Power Corp.	Hewittville Hydro		E	23633	Potsdam	089	36	1984-07-01	3.0	0.0	0.0	0.0	0.0		HY	WAT		13.0	
Niagara Mohawk Power Corp.	Hollow Dam Power		E	23633	Saint Lawrence	089	36	1987-12-01	1.0	0.0	0.0	0.0	0.0		HY	WAT		3.2	
Niagara Mohawk Power Corp.	Indian Falls HY		E	23633	Theresa	045	36	1986-01-01	0.3	0.0	0.0	0.0	0.0		HY	WAT		0.0	

Table III-2b: Non-Market Generators (cont'd)

Owner, Operator, and / or Billing Organization	Station	Unit	Zone	PTID	Location Town	Cnty	St	In-Service Date	Name Plate Rating (D)	2024 CRIS (A) MW SUM	2024 CRIS (A) MW WIN	2024 Capability (B) MW SUM	2024 Capability (B) MW WIN	DUAL	Unit Type	Fuel (U) Type 1	Fuel (U) Type 2	2023 Net (C) Energy	Notes
								YYYY-MM-DD	MW									GWh	
Niagara Mohawk Power Corp.	Kayuta Lake		E	23633	Kayuta	065	36	1988-05-01	0.4	0.0	0.0	0.0	0.0		HY	WAT		0.6	
Niagara Mohawk Power Corp.	Kings Falls		E	23633	Copenhagen	049	36	1988-05-01	1.6	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	Long Falls Hydro		E	23633	Carthage	045	36	1991-06-01	3.3	0.0	0.0	0.0	0.0		HY	WAT		0.9	
Niagara Mohawk Power Corp.	Lyonsdale Assoc. (Burrows)		E	23633	Lyons Falls	049	36	1984-07-01	3.0	0.0	0.0	0.0	0.0		HY	WAT		12.3	
Niagara Mohawk Power Corp.	Newport Hydro Assoc.		E	23633	Newport	043	36	1987-12-01	1.7	0.0	0.0	0.0	0.0		HY	WAT		5.3	
Niagara Mohawk Power Corp.	Northbrook Carthage		E	23633	Carthage	045	36	1986-01-01	4.4	0.0	0.0	0.0	0.0		HY	WAT		8.9	
Niagara Mohawk Power Corp.	Ogdensburg Hydro		E	23633	Ogdensburg	089	36	1987-12-01	3.5	0.0	0.0	0.0	0.0		HY	WAT		4.0	
Niagara Mohawk Power Corp.	Sandy Hollow Hydro Assoc.		E	23633	Philadelphia	045	36	1986-09-01	0.6	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	St. Elizabeth Medical Center		E	23633	Utica	065	36	2012-02-01	0.6	0.0	0.0	0.0	0.0		IC	NG		0.0	
Niagara Mohawk Power Corp.	Stillwater Assoc.		E	23633	Webb	043	36	1987-01-01	1.8	0.0	0.0	0.0	0.0		HY	WAT		5.8	
Niagara Mohawk Power Corp.	Tannery Island		E	23633	Carthage	045	36	1986-01-01	1.5	0.0	0.0	0.0	0.0		HY	WAT		8.7	
Niagara Mohawk Power Corp.	Unionville Hydro		E	23633	Potsdam	089	36	1984-07-01	3.0	0.0	0.0	0.0	0.0		HY	WAT		14.5	
Niagara Mohawk Power Corp.	Village of Gouverneur		E	23633	Gouverneur	089	36	1986-01-01	0.1	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	Village of Potsdam		E	23633	Potsdam	089	36	1986-01-01	0.8	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	Village of Potsdam 2		E	23633	Potsdam	089	36	2014-04-01	0.5	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Boralex Hydro Operations Inc	Sissonville		E	23735	Potsdam	089	36	1990-08-01	3.1	0.0	0.0	0.0	0.0		HY	WAT		0.0	
ReEnergy Black River LLC	Fort Drum		E	23780	Watertown	045	36	2013-05-30	55.5	0.0	0.0	0.0	0.0		ST	WD		0.0	
Niagara Mohawk Power Corp.	Fortis - Dolgeville		E	23807	Dolgeville	043	36	1985-07-01	5.0	0.0	0.0	0.0	0.0		HY	WAT		14.1	
Niagara Mohawk Power Corp.	Little Falls Hydro		E	24013	Little Falls	043	36	1987-01-01	13.0	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	Fortis Energy - Moose River		E	24016	Lyonsdale	049	36	1987-09-01	12.6	0.0	0.0	0.0	0.0		HY	WAT		31.9	
Niagara Mohawk Power Corp.	Pyrites Assoc.		E	24023	Canton	089	36	1985-12-01	8.2	0.0	0.0	0.0	0.0		HY	WAT		27.7	
CHI Energy Inc	Goodyear Lake		E	323669	Milford	077	36	1980-07-01	1.4	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	International Paper - Curtis		F	1655	Corinth	091	36	1986-01-01	9.8	0.0	0.0	0.0	0.0		HY	WAT		393.2	(G)
Niagara Mohawk Power Corp.	International Paper - Palmer		F	1655	Corinth	091	36	1986-01-01	49.2	0.0	0.0	0.0	0.0		HY	WAT			
Niagara Mohawk Power Corp.	Boralex - Middle Falls		F	23643	Easton	115	36	1989-12-01	2.2	0.0	0.0	0.0	0.0		HY	WAT		13.6	
Niagara Mohawk Power Corp.	Champlain Spinner		F	23643	Whitehall	031	36	1992-07-01	0.4	0.0	0.0	0.0	0.0		HY	WAT		0.7	
Niagara Mohawk Power Corp.	Chittenden Falls		F	23643	Stuyvesant	021	36	1995-12-01	0.6	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	Christine Falls Hydro		F	23643	Wells	041	36	1987-12-01	0.9	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	City of Watervliet Hydro		F	23643	Guilderland	001	36	1986-01-01	1.5	0.0	0.0	0.0	0.0		HY	WAT		2.7	
Niagara Mohawk Power Corp.	Cons. HY-Victory		F	23643	Victory Falls	091	36	1986-12-01	1.7	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	Cottrell Paper		F	23643	Rock City Falls	091	36	1987-01-01	0.3	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	Edison Hydro Electric		F	23643	Stottville	021	36	2009-11-01	0.3	0.0	0.0	0.0	0.0		HY	WAT		0.1	
Niagara Mohawk Power Corp.	Finch Paper LLC - Glens Falls		F	23643	Glens Falls	113	36	2009-11-01	11.8	0.0	0.0	0.0	0.0		HY	WAT		0.3	
Niagara Mohawk Power Corp.	Finch Pruyn		F	23643	Glens Falls	113	36	1989-12-01	29.0	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	Fort Miller Assoc (Hudson River)		F	23643	Schuylerville	091	36	1985-10-01	5.0	0.0	0.0	0.0	0.0		HY	WAT		19.5	
Niagara Mohawk Power Corp.	Gloversville Johnstown WWT		F	23643	Gloversville	035	36	2010-01-01	0.7	0.0	0.0	0.0	0.0		IC	MTE		1.0	
Niagara Mohawk Power Corp.	Green Island Power Authority		F	23643	Green Island	001	36	1971-01-01	6.0	0.0	0.0	0.0	0.0		HY	WAT		44.4	
Niagara Mohawk Power Corp.	Hollings&Vose-Center		F	23643	Easton	115	36	1986-01-01	0.4	0.0	0.0	0.0	0.0		HY	WAT		1.8	

Table III-2b: Non-Market Generators (cont'd)

Owner, Operator, and / or Billing Organization	Station Unit	Zone	PTID	Location Town	Cnty	St	In-Service Date	Name Plate Rating (D)	2024 CRIS (A) MW SUM	2024 CRIS (A) MW WIN	2024 Capability (B) MW SUM	2024 Capability (B) MW WIN	DUAL	Unit Type	Fuel (U) Type 1	Fuel (U) Type 2	2023 Net (C) Energy	Notes
							YYYY-MM-DD	MW									GWh	
Niagara Mohawk Power Corp.	Hollings&Vose-Lower	F	23643	Easton	115	36	1986-01-01	0.4	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	Hollings&Vose-Upper	F	23643	Easton	115	36	1986-01-01	0.4	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	Hoosick Falls	F	23643	Hoosick Falls	083	36	1988-08-01	0.6	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	Mechanicville	F	23643	Halfmoon	091	36	2005-03-01	3.8	0.0	0.0	0.0	0.0		HY	WAT		25.4	
Niagara Mohawk Power Corp.	Mount Ida Hydro	F	23643	Troy	083	36	1986-01-01	3.0	0.0	0.0	0.0	0.0		HY	WAT		5.6	
Niagara Mohawk Power Corp.	Mountainaire Massage Spa	F	23643	Wevertown	113	36	2009-11-01	0.0	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	Riverrat Glass & Electric	F	23643	Wadhams	031	36	1986-01-01	0.6	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	Stillwater Hydro Partners LP	F	23643	Stillwater	091	36	1993-04-01	3.4	0.0	0.0	0.0	0.0		HY	WAT		11.5	
Niagara Mohawk Power Corp.	Stuyvesant Falls Hydro	F	23643	Stuyvesant	021	36	2013-02-01	7.0	0.0	0.0	0.0	0.0		HY	WAT		22.1	
Niagara Mohawk Power Corp.	Synergics - Middle Greenwich	F	23643	Greenwich	115	36	1987-12-01	0.2	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	Synergics - Upper Greenwich	F	23643	Greenwich	115	36	1987-12-01	0.4	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Niagara Mohawk Power Corp.	Town of Wells (Lake Algonquin)	F	23643	Wells	041	36	1987-12-01	0.5	0.0	0.0	0.0	0.0		HY	WAT		1.2	
Niagara Mohawk Power Corp.	Tri-City JATC	F	23643	Latham	001	36	2009-11-01	0.0	0.0	0.0	0.0	0.0		IC	NG		0.0	
Niagara Mohawk Power Corp.	Valatie Falls	F	23643	Valatie	021	36	1992-12-01	0.1	0.0	0.0	0.0	0.0		HY	WAT		0.8	
Niagara Mohawk Power Corp.	Valley Falls Assoc.	F	23643	Valley Falls	083	36	1985-08-01	2.5	0.0	0.0	0.0	0.0		HY	WAT		11.3	
Boralex Hydro Operations Inc	Fourth Branch	F	23824	Waterford	091	36	1987-12-01	3.3	3.5	3.5	0.0	0.0		HY	WAT		5.2	(35)
Niagara Mohawk Power Corp.	Boralex - Hudson Falls	F	24011	Hudson Falls	115	36	1995-10-01	44.0	0.0	0.0	0.0	0.0		HY	WAT		242.3	
Niagara Mohawk Power Corp.	Boralex - South Glens Falls	F	24028	Moreau	091	36	1994-12-01	13.8	0.0	0.0	0.0	0.0		HY	WAT		97.1	
Erie Blvd. Hydro - Upper Hudson	Sherman Island 1	F	24058	Queensbury	113	36	2009-03-01	8.0	0.0	0.0	0.0	0.0		HY	WAT		38.5	
Erie Blvd. Hydro - Upper Hudson	Sherman Island 6	F	24058	Queensbury	113	36	2009-02-02	1.3	0.0	0.0	0.0	0.0		HY	WAT		5.1	
Erie Blvd. Hydro - Upper Hudson	Stewarts Bridge 2	F	24058	Hadley	091	36	2013-06-01	2.5	0.0	0.0	0.0	0.0		HY	WAT		19.6	
Erie Blvd. Hydro - Lower Hudson	Schuylerville	F	24059	Schuylerville	091	36	1919-01-01	1.2	0.0	0.0	0.0	0.0		HY	WAT			
Central Hudson Gas & Electric Corp.	Millpond	G	5004	Catskill	039	36	1993-12-01	0.9	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Central Hudson Gas & Electric Corp.	Montgomery West	G	5005	Montgomery	071	36	1985-11-01	0.2	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Central Hudson Gas & Electric Corp.	Salisbury Mills	G	5006	Salisbury Mills	071	36	1986-12-01	0.5	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Central Hudson Gas & Electric Corp.	Wallkill	G	5007	Shwangunk	111	36	1986-12-01	0.5	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Orange and Rockland Utilities	Buttermilk Falls	G	5055	Highland Falls	071	36	1986-12-01	0.1	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Orange and Rockland Utilities	Intl. Crossroads	G	5056	Mahwah NJ	003	34	1987-12-01	3.0	0.0	0.0	0.0	0.0	YES	IC	NG	FO2	0.0	
Orange and Rockland Utilities	Landfill G.Part19	G	5057	Goshen	071	36	1988-12-01	2.5	0.0	0.0	0.0	0.0		IC	MTE		0.0	
Orange and Rockland Utilities	Middletown LFG	G	5058	Goshen	071	36	1988-12-01	3.0	0.0	0.0	0.0	0.0		IC	MTE		0.0	
Central Hudson Gas & Electric Corp.	Sturgeon 1	G	23609	Rifton	111	36	1924-01-01	4.8	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Central Hudson Gas & Electric Corp.	Sturgeon 2	G	23609	Rifton	111	36	1924-01-01	4.8	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Central Hudson Gas & Electric Corp.	Sturgeon 3	G	23609	Rifton	111	36	1924-01-01	4.8	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Central Hudson Gas & Electric Corp.	Dashville 1	G	23610	Rifton	111	36	1920-01-01	2.4	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Central Hudson Gas & Electric Corp.	Dashville 2	G	23610	Rifton	111	36	1920-01-01	2.4	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Central Hudson Gas & Electric Corp.	High Falls	G	23754	Marbletown	111	36	1986-12-01	3.2	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Central Hudson Gas & Electric Corp.	Wappingers Falls	G	23765	Wappingers Falls	027	36	1988-12-01	2.0	2.0	2.0	0.0	0.0		HY	WAT		9.9	(34)
Consolidated Hydro New York, Inc.	Walden Hydro	G	24148	Walden	071	36	1983-12-01	2.4	0.0	0.0	0.0	0.0		HY	WAT		0.9	(33)

Table III-2b: Non-Market Generators (cont'd)

Owner, Operator, and / or Billing Organization	Station	Unit	Zone	PTID	Location Town	Cnty	St	In-Service Date	Name Plate Rating (D)	2024 CRIS (A) MW SUM	2024 CRIS (A) MW WIN	2024 Capability (B) MW SUM	2024 Capability (B) MW WIN	DUAL	Unit Type	Fuel (U) Type 1	Fuel (U) Type 2	2023 Net (C) Energy	Notes
								YYYY-MM-DD	MW									GWh	
Consolidated Hydro New York, Inc.	Groveville Hydro		G	323602	Beacon	027	36	1983-12-01	0.9	0.0	0.0	0.0	0.0		HY	WAT		0.0	
New York State Elec. & Gas Corp.	Croton Falls Hydro		I	5017	North Salem	119	36	1987-01-01	0.2	0.0	0.0	0.0	0.0		HY	WAT		0.0	
Consolidated Edison Co. of NY, Inc.	74 St.	GT 1	J	24260	Manhattan	061	36	1968-10-01	18.5	19.0	23.5	0.0	0.0		GT	KER		0.1	(30)
Consolidated Edison Co. of NY, Inc.	74 St.	GT 2	J	24261	Manhattan	061	36	1968-10-01	18.5	20.1	25.7	0.0	0.0		GT	KER		0.1	(31)
Long Island Power Authority	Oceanside (LF)		K	5008	Oceanside	059	36	1991-02-01	2.1	0.0	0.0	0.0	0.0		IC	MTE		0.0	
Long Island Power Authority	Oyster Bay (LF)		K	5009	Bethpage	059	36	1986-07-01	1.3	0.0	0.0	0.0	0.0		IC	MTE		0.0	
Long Island Power Authority	Smithtown (LF)		K	5010	Smithtown	103	36	1985-12-01	1.1	0.0	0.0	0.0	0.0		IC	MTE		0.0	
Long Island Power Authority	South Oaks Hosp		K	5011	Amityville	103	36	1990-06-01	1.0	0.0	0.0	0.0	0.0		IC	NG		0.0	
Long Island Power Authority	Yaphank (LF)		K	5012	Yaphank	103	36	1983-09-01	1.6	0.0	0.0	0.0	0.0		IC	MTE		0.0	
LI Energy Storage System, LLC	East Hampton Battery Storage		K	5066	East Hampton	103	36	2018-08-01	5.0	0.0	0.0	0.0	0.0		ES	BAT			
LI Energy Storage System, LLC	Montauk Battery Storage		K	5068	Montauk	103	36	2018-12-01	5.0	0.0	0.0	0.0	0.0		ES	BAT			
Long Island Power Authority	Glenwood GT 01		K	23712	Glenwood	059	36	1967-04-01	16.0	0.0	0.0	0.0	0.0		GT	FO2		-0.1	
Long Island Power Authority	Port Jefferson GT 01		K	23713	Port Jefferson	103	36	1966-12-01	16.0	14.1	18.4	0.0	0.0		GT	FO2		0.0	(14)
Long Island Power Authority	West Babylon 4		K	23714	West Babylon	103	36	1971-08-01	52.4	0.0	0.0	0.0	0.0		GT	FO2		-0.4	
Long Island Power Authority	Northport GT		K	23718	Northport	103	36	1967-03-01	16.0	13.8	18.0	0.0	0.0		GT	FO2		0.0	(15)
Shoreham Solar Commons LLC	Shoreham Solar		K	323752	East Shoreham	103	36	2018-07-01	25.0	0.0	0.0	0.0	0.0		PV	SUN		0.0	
Table III-2b - Non-Market Totals:									**719.9**	**75.3**	**93.8**	**0.0**	**0.0**					**1,504.0**	
Tables III-2a and III-2b Existing Generating Facilities Totals:									**43,416.6**	**39,382.9**	**42,345.3**	**37,374.9**	**39,704.8**					**124,153.0**	

Notes for Table III-2

Note	Owner / Operator	Station Unit	Zone	PTID	Description
1	Galt Power Inc.	KCE NY 6	A	323823	New Generator
2	Number Three Wind LLC	Number Three Wind Power	E	323818	New Generator
3	Galt Power Inc.	Darby Solar	F	323810	New Generator
4	Ball Hill Wind Energy, LLC	Ball Hill Wind	A	323825	New Generator
5	Bluestone Wind, LLC	Bluestone Wind	E	323821	New Generator
6	Orange & Rockland	Pomona ESR	G	323819	New Generator
7	Galt Power Inc.	Stillwater Solar	F	323814	New Generator
8	Galt Power Inc.	Pattersonville Solar	F	323815	New Generator
9	Hecate Energy	Albany County Solar 1	F	323833	New Generator
10	Hecate Energy	Albany County Solar 2	F	323834	New Generator
11	Galt Power Inc.	East Pulaski ESR	C	323781	New Generator
12	Cubit Power One Inc.	Arthur Kill Cogen	J	323718	Unit became ICAP Ineligible on 03/02/2024
13	Exelon Generation Company, LLC	Madison County LF	E	323628	Unit became ICAP Ineligible on 04/01/2022
14	Long Island Power Authority	Port Jefferson GT 01	K	23713	Reclassified as Black Start only unit/ units no longer subject to NYISO dispatch
15	Long Island Power Authority	Northport GT	K	23718	Reclassified as Black Start only unit/ units no longer subject to NYISO dispatch
16	NRG Power Marketing LLC	Astoria GT 2-1	J	24094	Retired on 05/01/2023
17	NRG Power Marketing LLC	Astoria GT 2-2	J	24095	Retired on 05/01/2023
18	NRG Power Marketing LLC	Astoria GT 2-3	J	24096	Retired on 05/01/2023
19	NRG Power Marketing LLC	Astoria GT 2-4	J	24097	Retired on 05/01/2023
20	NRG Power Marketing LLC	Astoria GT 3-1	J	24098	Retired on 05/01/2023
21	NRG Power Marketing LLC	Astoria GT 3-2	J	24099	Retired on 05/01/2023
22	NRG Power Marketing LLC	Astoria GT 3-3	J	24100	Retired on 05/01/2023
23	NRG Power Marketing LLC	Astoria GT 3-4	J	24101	Retired on 05/01/2023
24	NRG Power Marketing LLC	Astoria GT 4-1	J	24102	Retired on 05/01/2023
25	NRG Power Marketing LLC	Astoria GT 4-2	J	24103	Retired on 05/01/2023
26	NRG Power Marketing LLC	Astoria GT 4-3	J	24104	Retired on 05/01/2023
27	NRG Power Marketing LLC	Astoria GT 4-4	J	24105	Retired on 05/01/2023
28	Helix Ravenswood, LLC	Ravenswood 10	J	24258	Retired on 05/01/2023
29	Western New York Wind Corp.	Western NY Wind Power	B	24143	Retired on 05/01/2023

Notes for Table III-2 (cont'd)

Note	Owner / Operator	Station Unit	Zone	PTID	Description
30	Consolidated Edison Co. of NY, Inc.	74 St. GT 1	J	24260	Load Modifer 05/01/2023
31	Consolidated Edison Co. of NY, Inc.	74 St. GT 2	J	24261	Load Modifier 05/01/2023
32	Triton Power Company	Chateaugay High Falls	D	323578	Load Modifier 12/27/2023
33	Consolidated Hydro New York, Inc.	Walden Hydro	G	24148	Load Modifier 12/27/2023
34	Central Hudson Gas & Electric Corp.	Wappingers Falls	G	23765	Load Modifier 11/01/2023
35	Boralex Hydro Operations Inc	Fourth Branch	F	23824	Load Modifier 05/01/2023
36	Calpine Energy Services LP	Stony Brook	K	24151	Behind-the-Meter: Net Generation Resource
37	Emera Energy U.S. Sub. No. 1, Inc.	Greenidge 4	C	23583	Behind-the-Meter: Net Generation Resource
38	Northbrook Lyons Falls, LLC	Lyons Falls Hydro	E	23570	Behind-the-Meter: Net Generation Resource
39	RED-Rochester, LLC	Red Rochester	B	323720	Behind-the-Meter: Net Generation Resource
40	Calpine Energy Services LP	KIAC_JFK	J	323774	Behind-the-Meter: Net Generation Resource
41	Emera Energy Services Sub. No. 3 LLC	Fortistar - N.Tonawanda	A	323836	Behind-the-Meter: Net Generation Resource
A	Various	Generating Units	A-K	Various	Summer/Winter CRIS caps reflect capacity level of the unit that is deemed deliverable. See Definitions of Labels for the Load & Capacity Schedules (Section V) for description.
B	Various	Generating Units	A-K	Various	Summer Capability reflects DMNC values that are applicable to the Summer 2024 ICAP Market. Winter Capability reflects DMNC values that were applicable to the Winter 2023-2024 ICAP Market. DMNC stands for Dependable Maximum Net Generating Capability. These values are generally current as of March 15, 2024; however DMNC values that were validated post March 15, 2024 are included, as appropriate.
C	Various	Generating Units	A-K	Various	Net Energy from resources not directly participating in NYISO markets is obtained directly from the local TO.
D	Various	Generating Units	A-K	Various	Typically, Name Plate refers to a historical rating and may not reflect the most current value.
E	Various	Behind-the-Meter: Net Generation Resource	A-K	Various	Units that are Behind-the-Meter: Net Generation Resources for which Summer and Winter Capability values are Net-ICAP values.
G	Various	Generating Station	A-K	Various	Net Energy reflects Net Energy for the total Generation station's multiple units at the same Point of Interconnection.
I	Various	ICAP Ineligible Generator	A-K	Various	This unit is in an ICAP Ineligible Forced Outage (IIFO) as defined in the MST.
M	Various	Mothballed Generator	A-K	Various	This unit is mothballed or is in a Mothball Outage per MST Section 5.18.
N	Various	New Generator	A-K	Various	Unit(s) added since the publication of the 2023 Load and Capacity Data Report.
R	Various	Retired Generator	A-K	Various	This unit is retired or Retired as defined in the MST.
U	Various	Generating Units	A-K	Various	The fuel type selection is not meant to provide any information on current fuel inventories, nor does it indicate which of the fuels might be considered as primary.

Table III-3a: Existing Summer Capability by Zone and Type

Generator Type		ZONE											TOTAL
		A	B	C	D	E	F	G	H	I	J	K	
Summer Capability Period (MW) [2]													
Fossil	Steam Turbine (Oil)	0.0	0.0	809.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	809.5
	Steam Turbine (Oil & Gas)	41.0	13.3	803.0	0.0	0.0	0.0	2,504.7	0.0	0.0	2,789.3	2,320.6	8,471.9
	Steam Turbine (Gas)	0.0	0.0	25.9	0.0	0.0	0.0	365.9	0.0	0.0	1,056.1	0.0	1,447.9
	Combined Cycle (Oil & Gas)	383.4	0.0	276.2	79.5	134.5	3,028.2	645.4	0.0	0.0	3,249.9	571.8	8,368.9
	Combined Cycle (Gas)	0.0	110.5	980.4	237.9	49.7	0.0	1,050.8	0.0	0.0	0.0	76.0	2,505.3
	Jet Engine (Oil)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	612.1	612.1
	Jet Engine (Oil & Gas)	0.0	0.0	0.0	0.0	0.0	0.0	71.4	0.0	0.0	598.6	204.9	874.9
	Jet Engine (Gas)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.9	48.9
	Combustion Turbine (Oil)	0.0	0.0	0.0	0.0	0.0	0.0	14.6	0.0	0.0	0.0	500.9	515.5
	Combustion Turbine (Oil & Gas)	0.0	0.0	0.0	0.0	0.0	0.0	19.7	0.0	0.0	577.6	353.9	951.2
	Combustion Turbine (Gas)	39.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	436.3	172.4	648.5
	Internal Combustion (Oil)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	17.0
	Internal Combustion (Oil & Gas)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	16.0
	Internal Combustion (Gas)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	0.0	11.1
Nuclear	Steam (PWR Nuclear)	0.0	581.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	581.5
	Steam (BWR Nuclear)	0.0	0.0	2,748.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,748.9
Renewable [1]	Conventional Hydro	2,439.7	63.8	101.9	914.8	374.3	299.3	80.3	0.0	0.0	0.0	0.0	4,274.1
	Internal Combustion (Methane)	18.4	11.2	42.9	6.4	9.6	15.2	0.0	0.0	0.0	0.0	0.0	103.7
	Steam Turbine (Refuse)	37.6	0.0	0.0	0.0	0.0	10.4	6.2	52.5	0.0	0.0	123.6	230.3
	Wind	286.4	0.0	751.4	678.4	737.3	0.0	0.0	0.0	0.0	0.0	0.0	2,453.5
	Solar	0.0	0.0	40.0	0.0	0.0	160.0	0.0	0.0	0.0	0.0	54.4	254.4
Storage [3]	Energy Storage	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0
	Pumped Storage Hydro	240.0	0.0	0.0	0.0	0.0	1,169.8	0.0	0.0	0.0	0.0	0.0	1,409.8
	Totals	3,506.3	780.3	6,580.1	1,917.0	1,305.4	4,682.9	4,759.0	52.5	0.0	8,718.9	5,072.5	37,374.9

(1) - The Renewable Category does not necessarily match the New York State Clean Energy Standard (CES) Definition.
(2) - Values are from the Summer Capability column in Table III-2a: NYISO Market Generators.
(3) - The Energy Storage Category includes Battery and Flywheel fuel types.

Table III-3b: Existing Winter Capability by Zone and Type

Generator Type		ZONE A	B	C	D	E	F	G	H	I	J	K	TOTAL
Winter Capability Period (MW) [2]													
Fossil	Steam Turbine (Oil)	0.0	0.0	817.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	817.2
	Steam Turbine (Oil & Gas)	39.4	10.2	808.7	0.0	0.0	0.0	2,520.2	0.0	0.0	2,795.3	2,330.3	8,504.1
	Steam Turbine (Gas)	0.0	0.0	42.4	0.0	0.0	0.0	372.9	0.0	0.0	1,059.5	0.0	1,474.8
	Combined Cycle (Oil & Gas)	426.4	0.0	327.6	92.3	154.3	3,554.8	740.0	0.0	0.0	3,740.6	653.2	9,689.2
	Combined Cycle (Gas)	0.0	120.7	1,197.2	295.1	60.3	0.0	1,139.2	0.0	0.0	0.0	77.3	2,889.8
	Jet Engine (Oil)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	742.6	742.6
	Jet Engine (Oil & Gas)	0.0	0.0	0.0	0.0	0.0	0.0	83.4	0.0	0.0	631.6	253.2	968.2
	Jet Engine (Gas)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	50.0
	Combustion Turbine (Oil)	0.0	0.0	0.0	0.0	0.0	0.0	20.7	0.0	0.0	0.0	617.8	638.5
	Combustion Turbine (Oil & Gas)	0.0	0.0	0.0	0.0	0.0	0.0	22.7	0.0	0.0	740.7	402.3	1,165.7
	Combustion Turbine (Gas)	45.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	445.0	182.7	673.4
	Internal Combustion (Oil)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.7	15.7
	Internal Combustion (Oil & Gas)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	16.0
	Internal Combustion (Gas)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	0.0	10.7
Nuclear	Steam (PWR Nuclear)	0.0	581.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	581.8
	Steam (BWR Nuclear)	0.0	0.0	2,772.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,772.8
Renewable [1]	Conventional Hydro	2,439.7	63.8	108.4	858.8	374.3	299.3	80.7	0.0	0.0	0.0	0.0	4,225.0
	Internal Combustion (Methane)	18.4	11.2	42.9	6.4	9.6	15.2	0.0	0.0	0.0	0.0	0.0	103.7
	Steam Turbine (Refuse)	35.8	0.0	0.0	0.0	0.0	10.2	5.0	53.7	0.0	0.0	123.6	228.3
	Wind	286.4	0.0	751.4	678.4	737.3	0.0	0.0	0.0	0.0	0.0	0.0	2,453.5
	Solar	0.0	0.0	40.0	0.0	0.0	160.0	0.0	0.0	0.0	0.0	54.4	254.4
Storage [3]	Energy Storage	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0
	Pumped Storage Hydro	240.0	0.0	0.0	0.0	0.0	1,169.4	0.0	0.0	0.0	0.0	0.0	1,409.4
	Totals	3,551.8	787.7	6,908.6	1,931.0	1,335.8	5,208.9	4,984.8	53.7	0.0	9,423.4	5,519.1	39,704.8

(1) - The Renewable Category does not necessarily match the New York State Clean Energy Standard (CES) Definition.
(2) - Values are from the Winter Capability column in Table III-2a: NYISO Market Generators.
(3) - The Energy Storage Category includes Battery and Flywheel fuel types.

Table III-3c: Annual Net Energy Generation by Zone and Type - 2023

Generator Type		ZONE A	B	C	D	E	F	G	H	I	J	K	TOTAL
		Annual Net Energy Production (GWh) [2]											
Fossil	Steam Turbine (Oil)	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0
	Steam Turbine (Oil & Gas)	10.6	2.0	25.1	0.0	0.0	0.0	1,131.3	0.0	0.0	2,562.4	3,980.8	7,712.2
	Steam Turbine (Gas)	0.0	0.0	143.0	0.0	0.0	0.0	16.4	0.0	0.0	1,054.1	0.0	1,213.5
	Combined Cycle (Oil & Gas)	186.8	0.0	150.8	21.9	6.7	11,801.0	2,634.9	0.0	0.0	22,129.0	3,206.1	40,137.2
	Combined Cycle (Gas)	0.0	14.7	4,049.2	159.2	2.1	0.0	5,215.1	0.0	0.0	0.0	174.9	9,615.2
	Jet Engine (Oil)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.1	42.1
	Jet Engine (Oil & Gas)	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	757.6	158.3	916.8
	Jet Engine (Gas)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.9	62.9
	Combustion Turbine (Oil)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.2	27.2	27.5
	Combustion Turbine (Oil & Gas)	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	38.4	611.7	650.6
	Combustion Turbine (Gas)	41.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	454.2	290.3	786.4
	Internal Combustion (Oil)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
	Internal Combustion (Oil & Gas)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
	Internal Combustion (Gas)	0.0	1.1	0.0	0.0	1.3	0.0	0.0	0.0	0.0	51.3	0.0	53.7
Nuclear	Steam (PWR Nuclear)	0.0	4,644.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,644.9
	Steam (BWR Nuclear)	0.0	0.0	22,876.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22,876.8
Renewable [1]	Conventional Hydro	15,775.5	35.3	422.4	7,414.4	2,172.8	2,259.4	195.6	0.0	0.0	0.0	0.0	28,275.4
	Internal Combustion (Methane)	106.8	91.2	207.7	47.3	48.7	59.0	0.0	0.0	0.0	0.0	0.0	560.7
	Steam Turbine (Refuse)	245.3	0.0	228.3	0.0	0.0	62.9	10.0	398.7	0.0	0.0	866.3	1,811.5
	Wind	787.3	0.0	1,603.2	1,081.7	1,420.3	0.0	0.0	0.0	0.0	0.0	0.0	4,892.5
	Solar	0.0	0.0	60.2	0.0	0.0	80.6	0.0	0.0	0.0	0.0	89.1	229.9
Storage [3]	Energy Storage	-5.2	0.0	0.0	-1.0	0.0	-9.7	-0.1	0.0	0.0	0.0	0.0	-16.0
	Pumped Storage Hydro	-226.2	0.0	0.0	0.0	0.0	-125.8	0.0	0.0	0.0	0.0	0.0	-352.0
	Totals	16,922.8	4,789.2	29,775.7	8,723.5	3,651.9	14,127.4	9,204.7	398.7	0.0	27,047.2	9,511.9	124,153.0

(1) - The Renewable Category does not necessarily match the New York State Clean Energy Standard (CES) Definition.
(2) - Values are from the 2023 Net Energy column in Table III-2a and Table III-2b.
(3) - The Energy Storage Category includes Battery and Flywheel fuel types.

Table III-3d: Scheduled Real-Time Transactions by Control Area and Proxy Bus (GWh) – 2023

Control Area	Proxy Bus Name	Imports	Wheels-In	Exports	Wheels-Out	Net Imports
HQ	Cedars	155	0	99	0	56
HQ	Chateaugay	2,475	1,305	1,184	0	2,596
IESO	Bruce	4,101	48	165	8	3,976
ISO-NE	1385 Line	690	0	184	0	506
ISO-NE	Cross Sound Cable	1,360	0	0	0	1,360
ISO-NE	Sandy Pond	7,199	6	10,356	1,326	-4,477
PJM	HTP	3,528	0	0	0	3,528
PJM	Keystone	8,317	28	1,449	53	6,843
PJM	Linden VFT	2,361	0	8	0	2,353
PJM	Neptune	5,525	0	0	0	5,525
	NYCA Total	35,711	1,387	13,445	1,387	22,266

Figure III-1: 2023 NYCA Energy Production by Zone

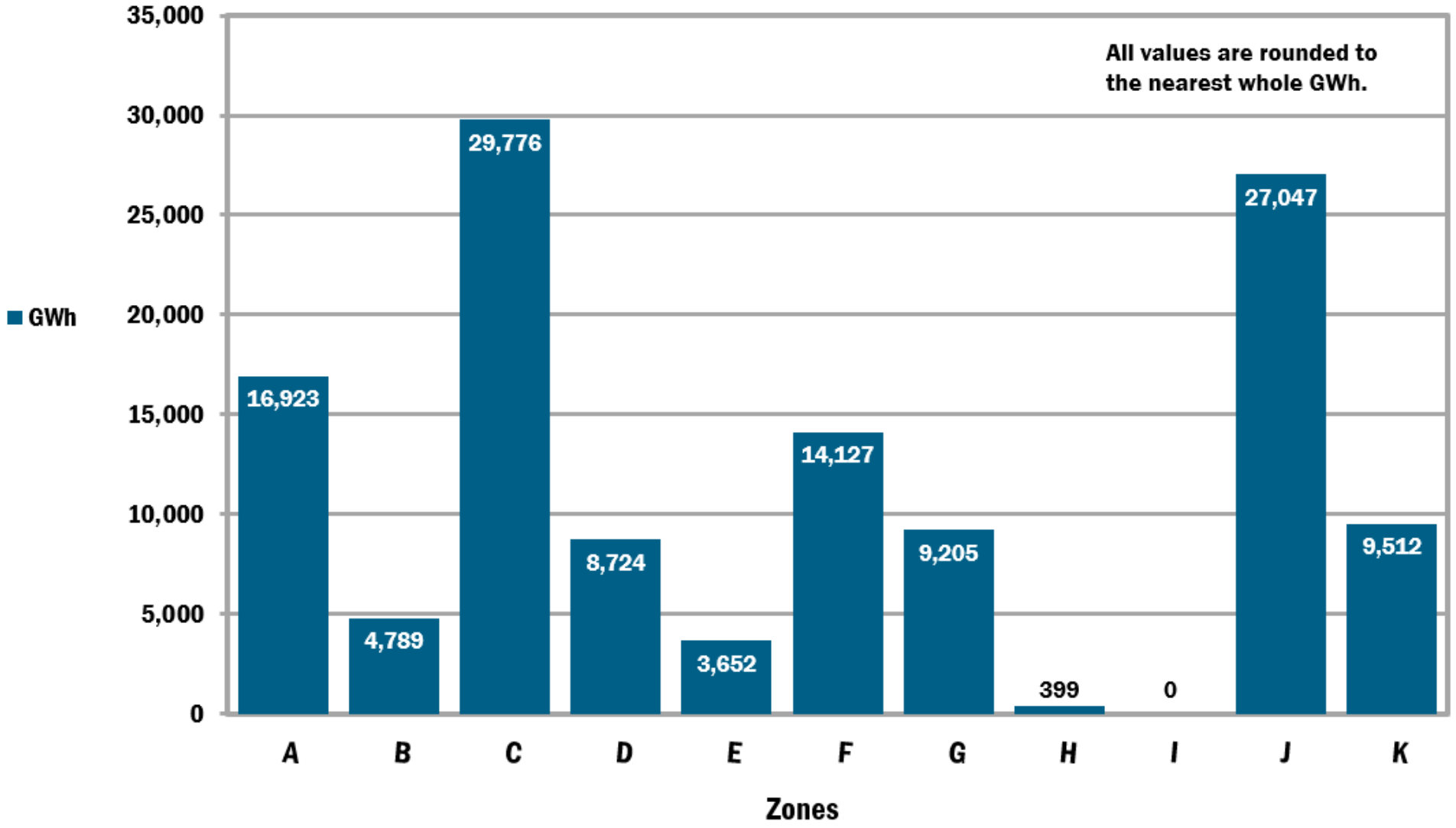
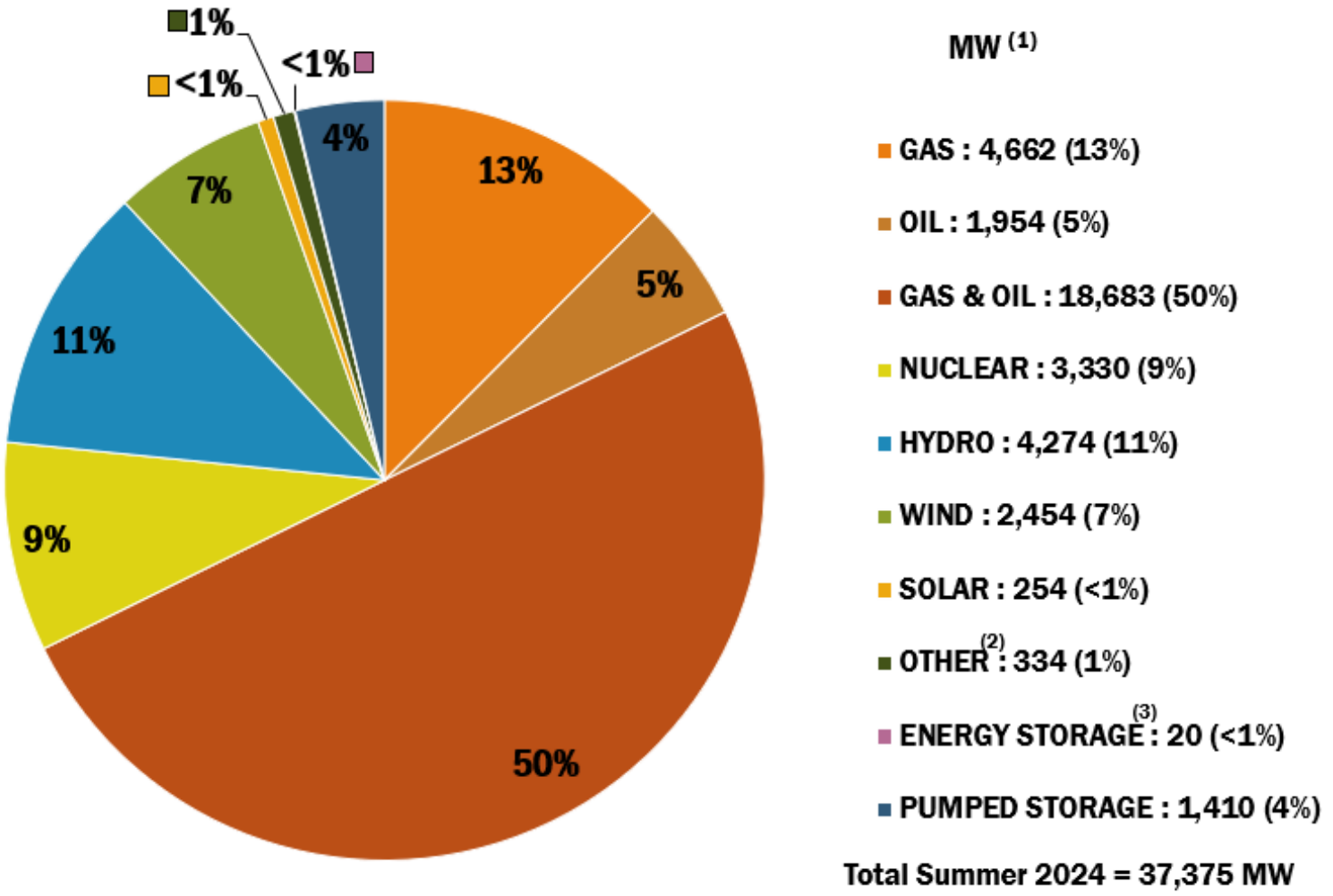


Figure III-2: Existing NYCA Summer Capability by Fuel Type

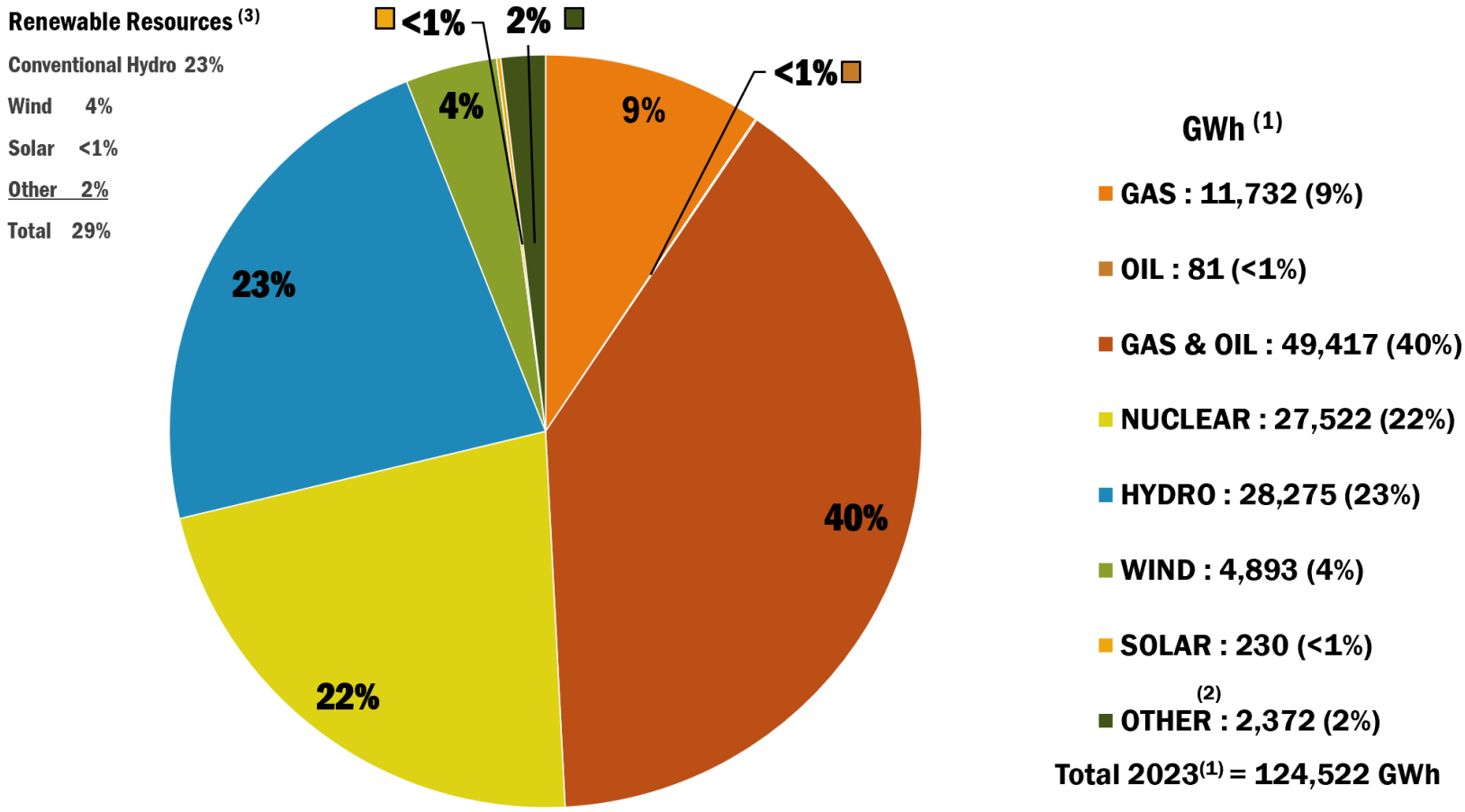


(1) All values are from the Summer Capability column in Table III-2a and are rounded to the nearest whole MW

(2) Includes Methane & Refuse

(3) Energy Storage includes Flywheel and Battery Storage

Figure III-3: 2023 NYCA Energy Production by Fuel Type

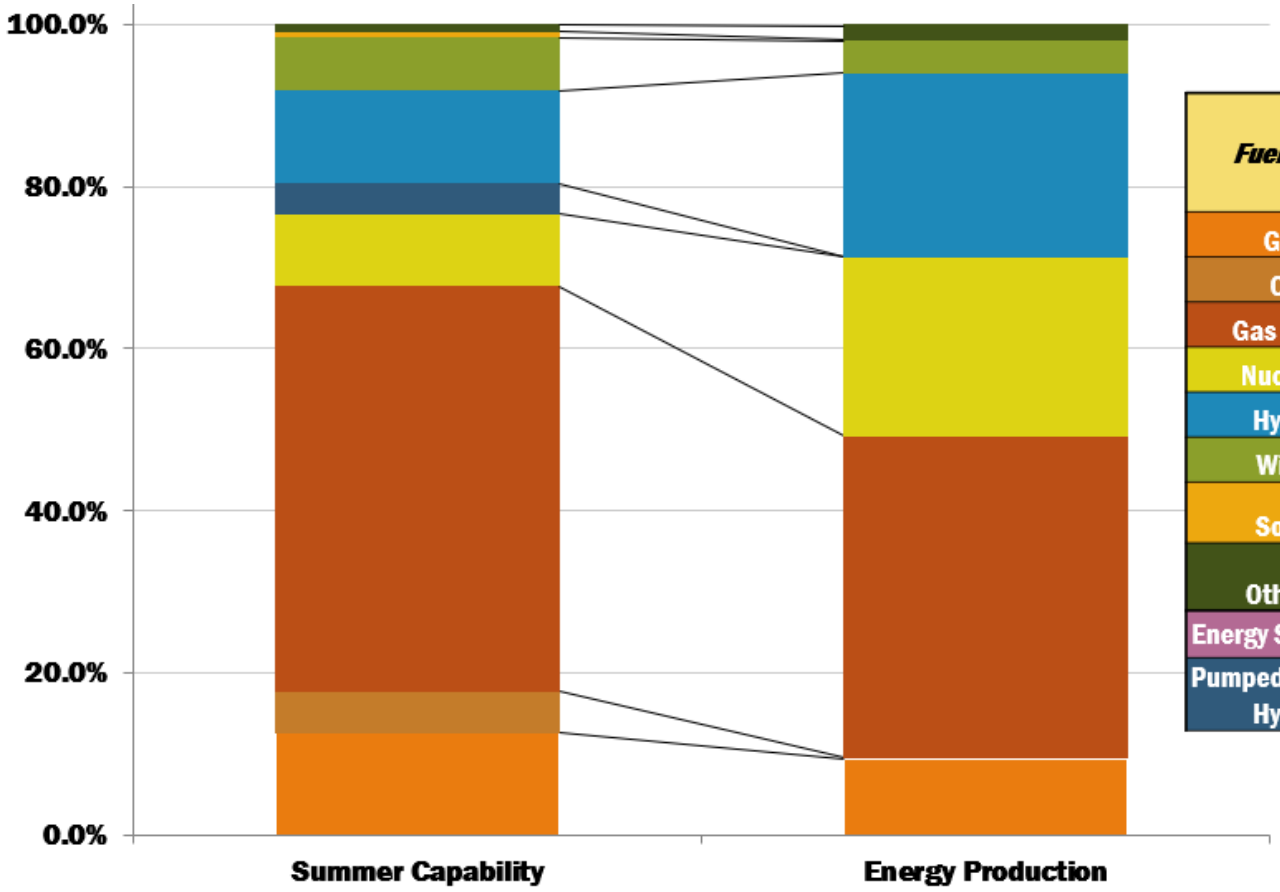


(1) Only includes fuel types with positive net energy and are rounded to the nearest whole GWh

(2) Includes Methane & Refuse

(3) Renewable Resources do not necessarily match the NYS Clean Energy Standard (CES) definition

Figure III-4: 2023 NYCA Energy Production and Summer Capability by Fuel Type

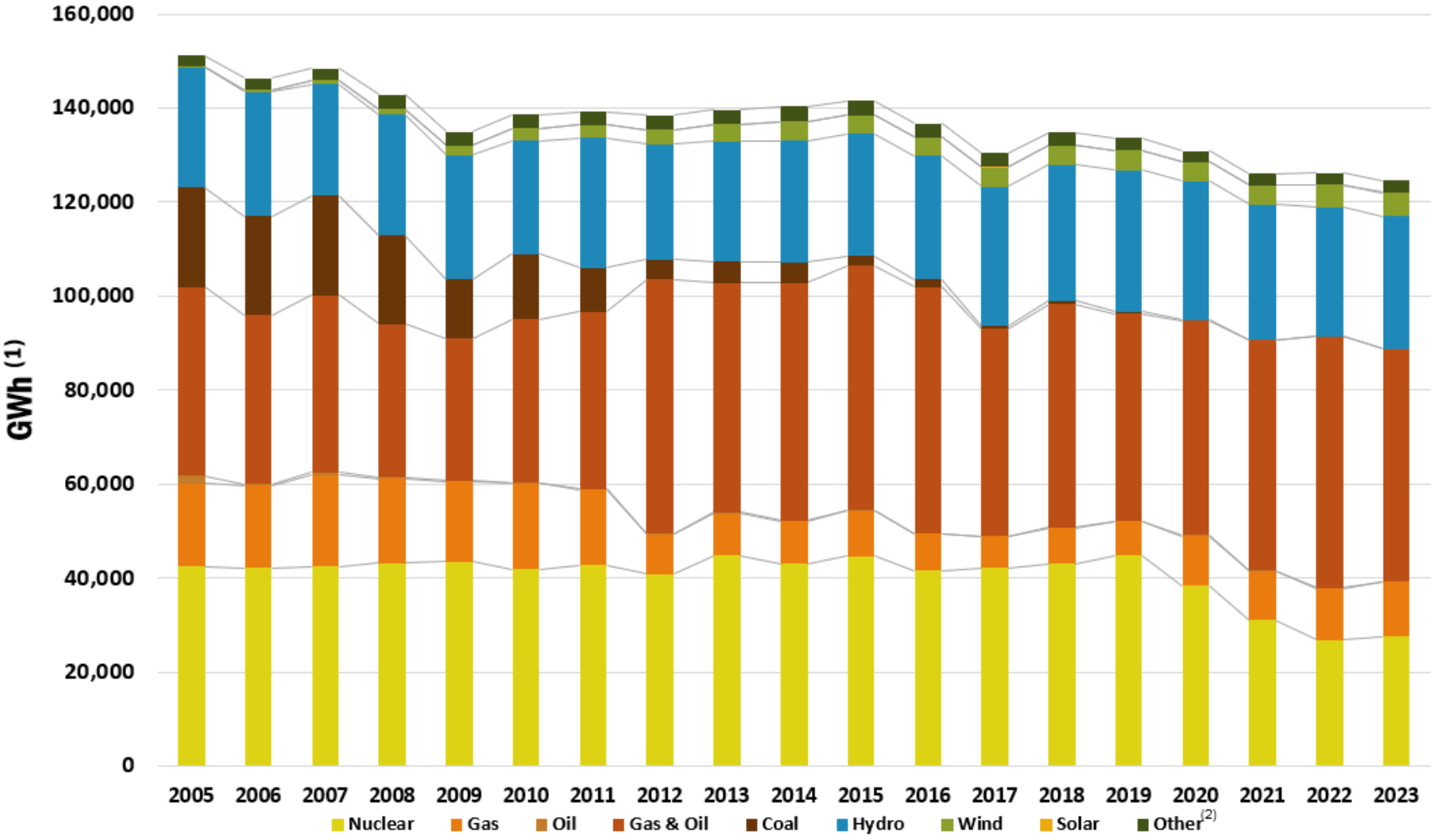


Fuel Type	*Summer Capability*	*Energy Production*
Gas	12.5%	9.4%
Oil	5.2%	0.1%
Gas & Oil	50.0%	39.7%
Nuclear	8.9%	22.1%
Hydro	11.4%	22.7%
Wind	6.6%	3.9%
Solar	0.7%	0.2%
Other [1]	0.9%	1.9%
Energy Storage [2]	0.0%	0.0%
Pumped Storage Hydro	3.8%	-0.3%

(1) Other Includes Methane & Refuse

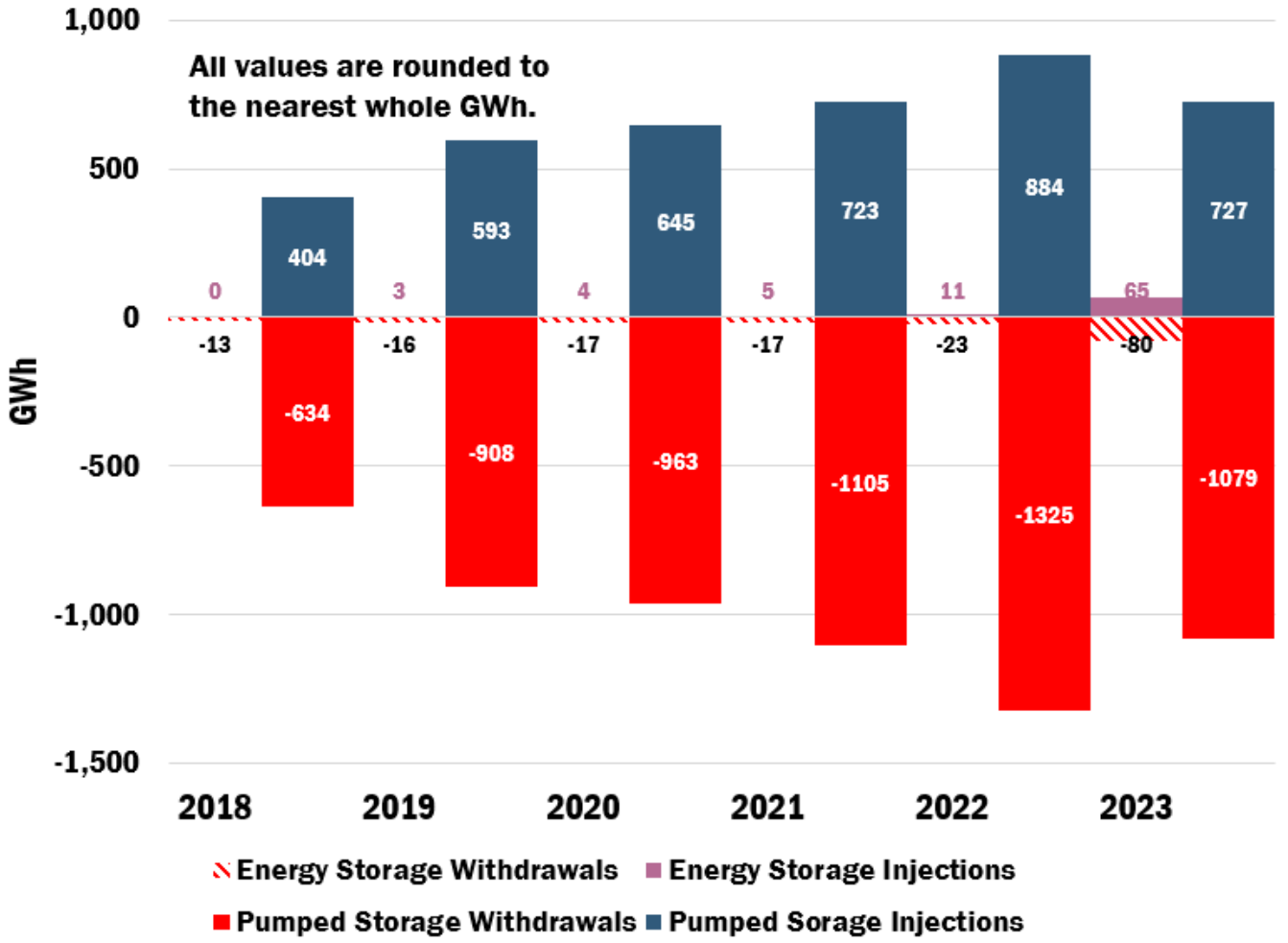
(2) Energy Storage includes Flywheel and Battery Storage

Figure III-5a: Historical Energy Production by Fuel Type



1) Only includes fuel types with positive net energy
2) Other Includes Methane & Refuse

Figure III-5b: Historical Storage Withdrawals and Injections



1) Withdrawals from the grid, injections into the grid
2) Energy Storage includes Flywheel and Battery Storage

Figure III-6a: NYCA Wind Resources – Historical Installed Nameplate Capacity

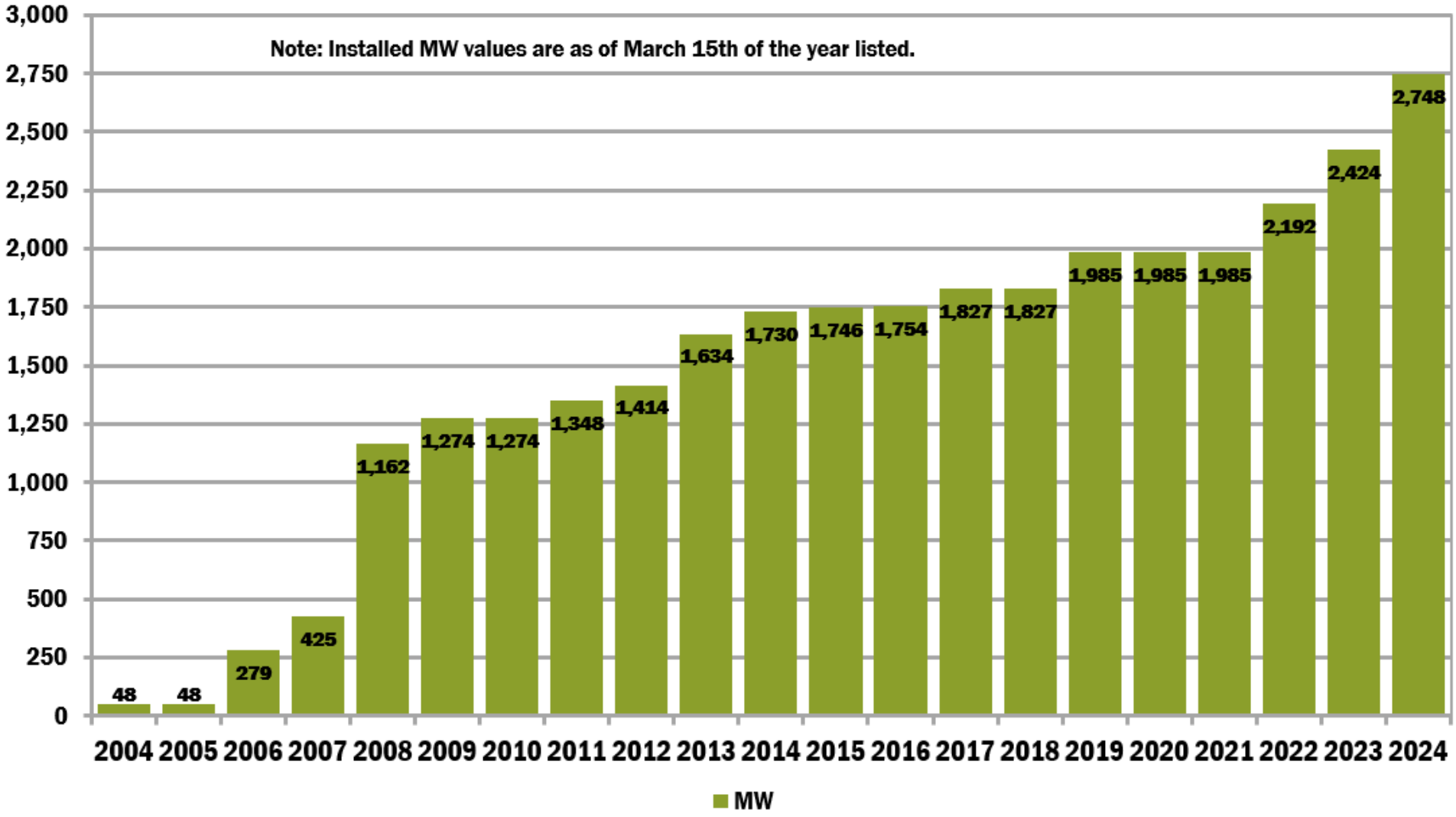
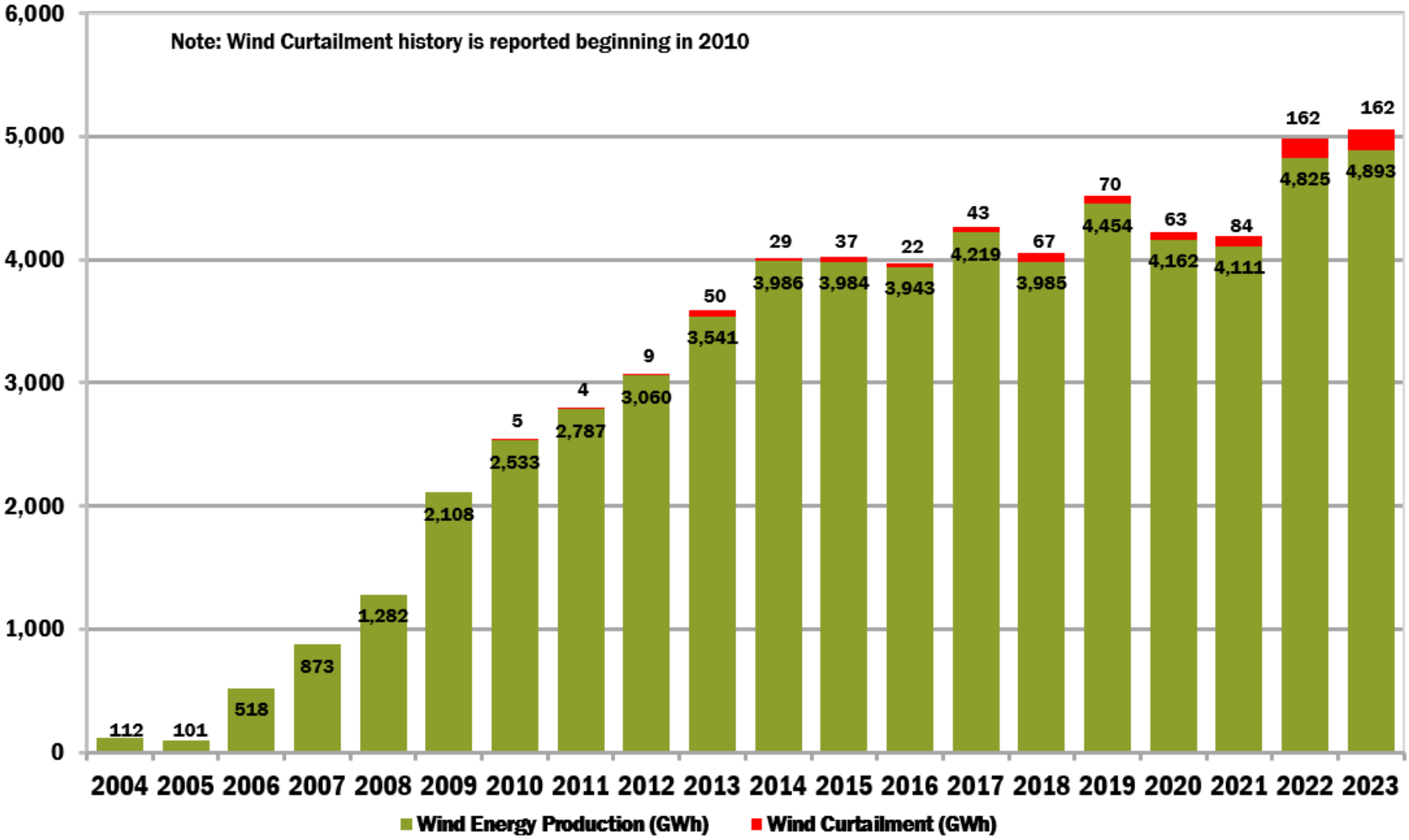


Figure III-6b: NYCA Wind Resources – Historical Energy Production and Curtailment



Section IV

Changes in Generating Capacity

New York ISO

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Section IV

This section reports proposed projects in the Interconnection Facilities Study stage of the NYISO interconnection process, together with re-ratings, and deactivations.

Table IV-1 lists proposed facilities that have completed, are enrolled in, or are candidates to enter a Class Year Interconnection Facilities Study; or have met other comparable milestones. Table IV-2 reports units that have proposed re-ratings (no applicable re-ratings for this *Gold Book*).

Tables IV-3, IV-4, and IV-5 list deactivated resources. Table IV-3 shows deactivated units that are no longer listed in Existing Capacity Table III-2 and have unexpired CRIS MW. Table IV-4 shows units that remain listed in Table III-2 and that have been deactivated since the publication of the 2023 *Gold Book*. Table IV-5 lists units that have provided a notice of deactivation at some future date.

Table IV-6 lists potential generator status changes to comply with New York State rules and climate policy. These include status changes of simple-cycle combustion turbines to comply with the DEC Peaker Rule, and NYPA generators which are scheduled to deactivate.

Table IV-7 provides information on proposed large load projects listed in the NYISO Interconnection Queue.

These tables are current through March 15, 2024. Monthly updates to this information are available in the *Generator Status Updates* folder on the *NY Power System Information & Outlook* page:

https://www.nyiso.com/ny-power-system-information-outlook.

Table IV-1: Proposed Generator Additions & CRIS Requests, as of March 15, 2024

QUEUE POS.	OWNER / OPERATOR	STATION UNIT	ZONE	Proposed Date[6] (M-YY)	NAMEPLATE RATING (MW)	REQUESTED CRIS (MW)	CRIS (MW)	SUMMER (MW)	WINTER (MW)	UNIT TYPE	CLASS YEAR	NOTES
		Completed Class Year Facilities Study										
396	Baron Winds, LLC	Baron Winds	C	Dec-24	238.8	300.0	300.0	117.0	117.0	Wind Turbines	2017	(2) (17)
276	Homer Solar Energy Center LLC	Homer Solar Energy Center	C	Apr-26	90.0	90.0	90.0	90.0	90.0	Solar	2019	(2)
495	Mohawk Solar LLC	Mohawk Solar	F	Nov-24	90.5	90.5	90.5	90.5	90.5	Solar	2019	(2)
519	Canisteo Wind Energy LLC	Canisteo Wind	C	Feb-25	289.8	290.7	290.7	289.8	289.8	Wind Turbines	2019	(2)
535	Riverhead Solar 2, LLC	Riverhead Solar 2	K	Feb-25	36.0	36.0	36.0	36.0	36.0	Solar	2019	(2)
596	Alle-Catt Wind Energy LLC	Alle Catt II Wind	A	Feb-25	339.1	339.1	339.1	339.1	339.1	Wind Turbines	2019	(2)
612	South Fork Wind, LLC	South Fork Wind Farm	K	Feb-24	96.0	96.0	96.0	96.0	96.0	Wind Turbines	2019	(2)
617	Watkins Glen Solar Energy Center, LLC	Watkins Glen Solar	C	Nov-24	54.0	50.0	50.0	50.0	50.0	Solar	2019	(2)
618	High River Energy Center, LLC	High River Solar	F	Jun-24	90.0	90.0	90.0	90.0	90.0	Solar	2019	(2)
619	East Point Energy Center, LLC	East Point Solar	F	Feb-24	50.0	50.0	50.0	50.0	50.0	Solar	2019	(2)
620	North Side Energy Center, LLC	North Side Solar	D	Dec-24	180.0	180.0	180.0	180.0	180.0	Solar	2019	(2)
637	Flint Mine Solar LLC	Flint Mine Solar	G	Oct-24	100.0	100.0	100.0	100.0	100.0	Solar	2019	(2)
644	Hecate Energy Columbia County 1, LLC	Columbia County 1	F	Dec-24	60.0	60.0	60.0	60.0	60.0	Solar	2019	(2)
683	KCE NY 2, LLC	KCE NY 2	G	Dec-24	200.0	200.0	200.0	200.0	200.0	Energy Storage	2019	(2) (14)
695	South Fork Wind, LLC	South Fork Wind Farm II	K	Feb-24	40.0	40.0	40.0	40.0	40.0	Wind Turbines	2019	(2)
704	Bear Ridge Solar, LLC	Bear Ridge Solar	A	Oct-24	100.0	100.0	100.0	100.0	100.0	Solar	2019	(2)
706	High Bridge Wind, LLC	High Bridge Wind	E	Dec-24	100.8	100.8	100.8	100.8	100.8	Wind Turbines	2019	(2)
720	Trelina Solar Energy Center, LLC	Trelina Solar Energy Center	C	Dec-24	86.8	80.0	80.0	79.8	79.8	Solar	2019	(2)
721	Excelsior Energy Center, LLC	Excelsior Energy Center	B	Feb-25	280.0	280.0	280.0	280.0	280.0	Solar	2019	(2)
737	Empire Offshore Wind LLC	Empire Wind 1	J	Dec-26	816.0	816.0	816.0	816.0	816.0	Wind Turbines	2019	(2)
521	Bull Run Energy LLC	Bull Run II Wind	D	Dec-26	449.0	449.0	449.0	449.0	449.0	Wind Turbines	2021	(2)
571	Heritage Wind, LLC	Heritage Wind	B	Sep-26	200.1	200.1	200.1	200.1	200.1	Wind Turbines	2021	(2)
710	Horseshoe Solar Energy LLC	Horseshoe Solar	B	Oct-25	180.0	180.0	180.0	180.0	180.0	Solar	2021	(2)
717	Morri Ridge Solar Energy Center, LLC	Morris Ridge Solar Energy Center	C	Sep-24	177.0	177.0	177.0	177.0	177.0	Solar	2021	(2)
766	Sunrise Wind LLC	Sunrise Wind	K	Mar-26	1,085.7	880.0	880.0	880.0	880.0	Wind Turbines	2021	(2)
783	ConnectGen Chautauqua County LLC	South Ripley Solar and BESS	A	Jun-24	270.0	270.0	270.0	270.0	270.0	Solar+Energy Storage	2021	(2) (16)
787	Levy Grid, LLC	Levy Grid, LLC	A	Aug-25	150.0	150.0	150.0	150.0	150.0	Energy Storage	2021	(2)
801	Prattsburgh Wind, LLC	Prattsburgh Wind Farm	C	Dec-25	147.0	147.0	147.0	147.0	147.0	Wind Turbines	2021	(2)
805	Osbow Hill Solar, LLC	Owbox Hill Solar	C	Dec-24	140.0	140.0	140.0	140.0	140.0	Solar	2021	(2)
811	Hecate Energy Cider Solar LLC	Cider Solar	B	Nov-24	500.0	500.0	500.0	500.0	500.0	Solar	2021	(2)
815	Bayonne Energy Center	Bayonne Energy Center III	J	Oct-25	49.8	49.8	49.8	49.8	49.8	Energy Storage	2021	(2)
835	Astoria Generating Company, LP	Luyster Creek Energy Storage 1	J	May-26	59.1	56.3	56.3	56.3	57.3	Energy Storage	2021	(2)
840	Hecate Grid Swiftsure LLC	Swiftsure Energy Storage	J	Nov-26	650.0	650.0	121.0	650.0	650.0	Energy Storage	2021	(2)
864	Greens Corners Solar LLC	NY38 Solar	E	Dec-24	120.0	120.0	120.0	120.0	120.0	Solar	2021	(2)
883	Garnet Energy Center, LLC	Garnet Energy Center	B	Nov-25	200.0	200.0	200.0	200.0	200.0	Solar	2021	(2)
907	Harlem River ESS, LLC	Harlem River Yard	J	Dec-26	100.0	100.0	100.0	100.0	100.0	Energy Storage	2021	(2)
929	EDF Renewables Development, Inc.	Morris Ridge Battery Storage	C	Dec-26	84.2	83.0	83.0	83.0	83.0	Energy Storage	2021	(2)
931	East River ESS, LLC	Astoria Energy Storage	J	Dec-24	106.7	100.0	100.0	100.0	100.0	Energy Storage	2021	(2)
956	Holtsville Energy Storage, LLC	Holtsville 138kV Energy Storage	K	Oct-26	300.9	110.0	110.0	110.0	110.0	Energy Storage	2021	(2)
959	Empire Offshore Wind LLC	El Oceanside 2	K	Dec-26	1,260.0	TBD	TBD	1,260.0	1,260.0	Wind Turbines	2021	(2) (3)
965	Yaphank Energy Storage, LLC	Yaphank Energy Storage	K	Sep-26	79.6	76.8	76.8	76.8	77.6	Energy Storage	2021	(2)
987	Sunrise Wind LLC	Sunrise Wind II	K	Mar-26	1,085.7	44.0	44.0	44.0	44.0	Wind Turbines	2021	(2) (12)

Table IV-1: Proposed Generator Additions & CRIS Requests (cont'd)

QUEUE POS.	OWNER / OPERATOR	STATION UNIT	ZONE	Proposed Date[6] (M-YY)	NAMEPLATE RATING (MW)	REQUESTED CRIS (MW)	CRIS (MW)	SUMMER (MW)	WINTER (MW)	UNIT TYPE	CLASS YEAR	NOTES
		Completed CRIS Requests										
N/A	BSC Owner LLC	Spring Creek Tower	J	N/A	N/A	8.0	8.0	N/A	N/A	Diesel	2019	
N/A	Energy Storage Resources, LLC	Eagle Energy Storage	J	N/A	N/A	20.0	20.0	N/A	N/A	Energy Storage	2019	
N/A	Hannacroix Solar Facility, LLC	Hannacroix Solar	G	N/A	N/A	5.0	5.0	N/A	N/A	Solar	2019	
N/A	King's Plaza Energy LLC	King's Plaza	J	N/A	N/A	6.0	6.0	N/A	N/A	Natural Gas	2019	
N/A	RWE Solar Development, LLC	Cuddebackville Battery	G	N/A	N/A	10.0	10.0	N/A	N/A	Energy Storage	2019	
N/A	RWE Solar Development, LLC	Monsey 44-2	G	N/A	N/A	5.0	5.0	N/A	N/A	Energy Storage	2019	
N/A	RWE Solar Development, LLC	Monsey 44-3	G	N/A	N/A	5.0	5.0	N/A	N/A	Energy Storage	2019	
N/A	RWE Solar Development, LLC	Monsey 44-6	G	N/A	N/A	5.0	5.0	N/A	N/A	Energy Storage	2019	
N/A	Strata Storage, LLC	Cleancar Energy Storage	J	N/A	N/A	15.0	15.0	N/A	N/A	Energy Storage	2019	
N/A	Strata Storage, LLC	Groundvault Energy Storage	J	N/A	N/A	12.5	12.5	N/A	N/A	Energy Storage	2019	
N/A	Strata Storage, LLC	Stillwell Energy Storage	J	N/A	N/A	10.0	10.0	N/A	N/A	Energy Storage	2019	
N/A	Yonkers Grid, LLC	Yonkers Grid	J	N/A	N/A	20.0	20.0	N/A	N/A	Energy Storage	2019	
N/A	Port Jefferson Energy Storage, LLC	Port Jefferson Energy Storage	K	N/A	N/A	9.9	9.9	N/A	N/A	Energy Storage		(9)
N/A	Suffolk County Energy Storage, LLC	Suffork County Energy Storage	K	N/A	N/A	9.9	9.9	N/A	N/A	Energy Storage		(9)
		Class Year 2023 Participant List										
522	NYC Energy LLC	NYC Energy	J	Apr-26	79.9	TBD	TBD	79.9	79.9	Energy Storage		
560	Deer River Wind, LLC	Deer River Wind	E	Jan-26	100.0	TBD	TBD	100.0	100.0	Wind Turbines		
686	Invenergy Solar Development North America LLC	Bull Run Solar Energy Center	D	Jun-27	170.0	TBD	TBD	125.0	125.0	Solar		
700	Robinson Grid, LLC	Robinson Grid	J	Feb-27	300.0	TBD	TBD	300.0	300.0	Energy Storage		
716	EDF Renewables Development, Inc.	Moraine Solar Energy Center	C	Nov-26	93.5	TBD	TBD	93.5	93.5	Solar		
774	EDF Renewables Development, Inc.	Tracy Solar Energy Centre	E	Nov-27	119.0	TBD	TBD	119.0	119.0	Solar		
777	White Creek Solar, LLC	White Creek Solar	B	Aug-26	135.0	TBD	TBD	135.0	135.0	Solar		
785	ConnectGen Erie-Wyoming LLC	Erie-Wyoming County Solar	C	Aug-25	175.0	TBD	TBD	175.0	175.0	Solar+Energy Storage		
800	EDF Renewables Development, Inc.	Rich Road Solar Energy Center	E	Dec-26	240.0	TBD	TBD	240.0	240.0	Solar		
822	Astoria Generating Company LP	Whale Square Energy Storage 1	J	Jun-26	72.3	TBD	TBD	58.2	58.2	Energy Storage		
825	Setauket Energy Storage, LLC	Setauket Energy Storage	K	Apr-28	76.8	TBD	TBD	65.3	65.3	Energy Storage		
834	Astoria Generating Company, LP	Luyster Creek Energy Storage 2	J	Jun-26	97.0	TBD	TBD	79.0	79.0	Energy Storage		
852	Niagara Dolomite Solar, LLC	Niagara Dolomite Solar	A	Oct-26	180.0	TBD	TBD	180.0	180.0	Solar		
857	EDF Renewables Development, Inc.	Columbia Solar Energy Center	E	Nov-27	350.0	TBD	TBD	350.0	350.0	Solar		
858	EDF Renewables Development, Inc.	Genesee Road Solar Energy Center	A	Feb-28	250.0	TBD	TBD	250.0	250.0	Solar		
859	EDF Renewables Development, Inc.	Ridge View Solar Energy Center	A	Oct-27	350.0	TBD	TBD	350.0	350.0	Solar		
860	EDF Renewables Development, Inc.	Rosalen Solar Energy Center	B	Feb-28	200.0	TBD	TBD	200.0	200.0	Solar		
866	NY North Country, LLC	North Country Wind	D	Dec-26	298.2	TBD	TBD	298.2	298.2	Wind Turbines		
869	SunEast Tabletop Solar LLC	Tabletop Solar	F	Dec-26	80.0	TBD	TBD	80.0	80.0	Solar		
871	Invenergy Solar Project Development LLC	Verona Solar Energy Center I	C	Dec-27	250.0	TBD	TBD	250.0	250.0	Solar		
878	Energy Storage Resources, LLC	Pirates Island	A	Sep-24	100.0	TBD	TBD	100.0	100.0	Energy Storage		
880	Brookside Solar, LLC	Brookside Solar	D	Jul-26	100.0	TBD	TBD	100.0	100.0	Solar		
882	Riverside Solar, LLC	Riverside Solar	E	Jul-26	100.0	TBD	TBD	100.0	100.0	Solar		
912	Hecate Grid Intrepid 1 LLC	Intrepid Storage 69	K	Dec-25	50.0	TBD	TBD	50.0	50.0	Energy Storage		
918	Hecate Grid Intrepid 1 LLC	Intrepid Storage 138	K	Dec-25	250.0	TBD	TBD	250.0	250.0	Energy Storage		
950	Hemlock Ridge Solar LLC	Hemlock Ridge Solar	B	Apr-26	200.0	TBD	TBD	200.0	200.0	Solar		
951	Cayuga Grid, LLC	Cayuga Grid, LLC	A	Oct-25	100.0	TBD	TBD	100.0	100.0	Energy Storage		
952	Catskill Grid, LLC	Catskill Grid, LLC	G	Sep-25	100.0	TBD	TBD	100.0	100.0	Energy Storage		

Table IV-1: Proposed Generator Additions & CRIS Requests (cont'd)

QUEUE POS.	OWNER / OPERATOR	STATION UNIT	ZONE	Proposed Date[6] (M-YY)	NAMEPLATE RATING (MW)	REQUESTED CRIS (MW)	CRIS (MW)	SUMMER (MW)	WINTER (MW)	UNIT TYPE	CLASS YEAR	NOTES
953	Sugar Maple Solar, LLC	Sugar Maple Solar	E	Dec-26	125.0	TBD	TBD	125.0	125.0	Solar		
957	Holtsville Energy Storage	Holtsville Energy Storage	K	May-23	76.8	TBD	TBD	76.8	76.8	Energy Storage		
967	KCE NY 5 LLC	KCE NY 5	G	Dec-24	94.0	TBD	TBD	94.0	94.0	Energy Storage		
971	Savion, LLC	East Setauket Energy Storage	K	Dec-23	125.0	TBD	TBD	125.0	125.0	Energy Storage		
974	KCE NY 19 LLC	KCE NY 19	G	Oct-25	80.0	TBD	TBD	80.0	80.0	Energy Storage		
995	Alabama Solar Park LLC, POC: Tatiana Stein	Alabama Solar Park LLC	B	Oct-27	130.0	TBD	TBD	130.0	130.0	Solar		
1007	NYC Energy	NYC Energy LLC - Phase 2	J	Sep-24	220.1	TBD	TBD	220.1	220.1	Energy Storage		
1009	Granada Solar, LLC	Yellow Barn Solar	C	Dec-25	160.0	TBD	TBD	160.0	160.0	Solar		
1012	Suffolk County Energy Storage II	Suffolk County Storage II	K	May-24	76.9	TBD	TBD	76.9	76.9	Energy Storage		
1016	Beacon Wind LLC	El Steinway 1	J	Nov-27	1,300.0	TBD	TBD	1,300.0	1,300.0	Wind Turbines		
1017	Beacon Wind LLC	El Steinway 2	J	Nov-28	1,300.0	TBD	TBD	1,300.0	1,300.0	Wind Turbines		
1031	ConnectGen Montgomery County LLC	Mill Point Solar	E	Nov-25	250.0	TBD	TBD	250.0	250.0	Solar+Energy Storage		
1036	Juno Power Management LLC	Mainesburg ESS	C	Dec-26	130.0	TBD	TBD	130.0	130.0	Energy Storage		
1042	Boralex US Development LLC	Fort Edward Solar Farm (NY53)	F	Dec-25	100.0	TBD	TBD	100.0	100.0	Solar		
1068	Juno Power Management LLC	Buchanan Point BESS	H	May-26	300.0	TBD	TBD	300.0	300.0	Energy Storage		
1077	Rutland Center Solar 1, LLC	Rutland Center Solar	E	Jun-26	110.0	TBD	TBD	110.0	110.0	Solar		
1079	sPower Development Company, LLC	Somerset Solar	A	Mar-23	125.0	TBD	TBD	125.0	125.0	Solar		
1080	Mineral Basin Solar Power, LLC	Mineral Basin Solar Power	C	May-25	401.6	TBD	TBD	401.6	401.6	Solar		
1088	ConnectGen Cayuga County LLC	Harvest Hills Solar	C	Nov-25	200.0	TBD	TBD	200.0	200.0	Solar+Energy Storage		
1089	SED NY Holding LLC	Flat Creek Solar	F	Dec-24	200.0	TBD	TBD	200.0	200.0	Solar		
1096	Northland Power U.S. Projects	Allegany 2 Solar	C	Oct-25	100.0	TBD	TBD	100.0	100.0	Solar+Energy Storage		
1103	Cypress Creek Renewables, LLC	Thousand Island Solar	E	Apr-27	110.0	TBD	TBD	110.0	110.0	Solar		
1115	SED NY Holdings LLC	Flat Creek Solar 2	F	Sep-26	100.0	TBD	TBD	100.0	100.0	Solar		
1117	Caithness LI Energy Storage, LLC	CLIES 70MW	K	Dec-24	70.0	TBD	TBD	70.0	70.0	Energy Storage		
1122	Microgrid Networks, LLC	East Fishkill	G	Jun-25	205.0	TBD	TBD	205.0	205.0	Energy Storage		
1123	KCE NY 29, LLC	KCE NY 29	K	Oct-25	150.0	TBD	TBD	150.0	150.0	Energy Storage		
1130	Liberty Renewables Inc.	Hoffman Falls Wind	C	Dec-25	72.0	TBD	TBD	72.0	72.0	Wind Turbines		
1136	Honey Ridge Solar 1, LLC	Honey Ridge Solar	E	Sep-25	125.0	TBD	TBD	125.0	125.0	Solar+Energy Storage		
1141	Invenergy Solar Project Development LLC	Twinleaf Solar	E	Dec-26	75.0	TBD	TBD	75.0	75.0	Solar		
1148	Liberty Renewables Inc.	Agricola Wind	C	Jun-25	97.0	TBD	TBD	97.0	97.0	Wind Turbines		
1150	Moss Ridge Solar 1, LLC	Moss Ridge Solar	E	Dec-26	60.0	TBD	TBD	60.0	60.0	Solar		
1151	York Run Solar, LLC	York Run Solar	A	Aug-26	90.0	TBD	TBD	90.0	90.0	Solar		
1159	Innisfree Storage LLC	Inisfree Storage	K	Oct-26	52.5	TBD	TBD	50.0	52.5	Energy Storage		
1174	Boralex US Development	NY48 - Diamond Solar	E	Dec-25	60.0	TBD	TBD	60.0	60.0	Solar		
1178	Boralex US Development	NY115 - Newport Solar	E	Nov-26	130.0	TBD	TBD	130.0	130.0	Solar		
1180	Union Energy Center, LLC	Union Energy Center, LLC	H	Aug-25	150.0	TBD	TBD	150.0	150.0	Energy Storage		
1182	Foothills Solar LLC	NY128- Foothills Solar	F	Nov-26	50.4	TBD	TBD	40.0	40.0	Solar		
1183	Fort Covington Solar LLC	NY125A- Fort Covington Solar	D	Dec-26	250.0	TBD	TBD	250.0	250.0	Solar		
1184	Boralex US Development LLC	NY125B- Two Rivers Solar	D	Dec-25	200.0	TBD	TBD	200.0	200.0	Solar		
1188	North Seneca Solar Project LLC	North Seneca Solar Project, LLC	C	May-27	115.0	TBD	TBD	105.0	105.0	Solar		
1194	Crane Brook Solar Project LLC	Crane Brook Solar Project, LLC	C	May-27	144.0	TBD	TBD	130.0	130.0	Solar		
1199	Beacon Wind LLC	El Steinway 1.1	J	Nov-27	300.0	TBD	TBD	300.0	300.0	Wind Turbines		
1236	Gravel Road Solar, LLC	Gravel Road Solar	C	Oct-26	162.0	TBD	TBD	128.0	128.0	Solar		
1254	Barrett Hempstead Battery Storage LLC	Barrett Hemptead Battery Storage	K	Mar-25	41.4	TBD	TBD	40.0	40.0	Energy Storage		
1255	Holtsville Brookhaven Battery Storage LLC	Holtsville Brookhaven Battery Storage	K	Mar-26	82.8	TBD	TBD	79.9	79.9	Energy Storage		
1256	Canal Southampton Battery Storage LLC	Canal Southampton Battery Storage	K	Mar-25	103.4	TBD	TBD	100.0	100.0	Energy Storage		
1257	Edwards Calverton Battery Storage LLC	Edwards Calverton Battery Storage	K	Mar-25	62.1	TBD	TBD	60.0	60.0	Energy Storage		
N/A	West Babylon Energy Storage, LLC	West Babylon Energy Storage	K	Aug-25	12.5	TBD	TBD	N/A	N/A	Energy Storage		(3)

Table IV-1: Proposed Generator Additions & CRIS Requests (cont'd)

QUEUE POS.	OWNER / OPERATOR	STATION UNIT	ZONE	Proposed Date[6] (M-YY)	NAMEPLATE RATING (MW)	REQUESTED CRIS (MW)	CRIS (MW)	SUMMER (MW)	WINTER (MW)	UNIT TYPE	CLASS YEAR	NOTES
		EDS 2023-01 Projects										
N/A	Erie Wind, LLC	Erie Wind - PTID 323693	A	I/S	15.0	15.0	15.0	N/A	N/A	Wind Turbines		(18)
N/A	Niagara Wind Power, LLC	Steel Wind - PTID 323596	A	I/S	20.0	20.0	20.0	N/A	N/A	Wind Turbines		(18)
		Non Class Year Generators (Small Generators) Interconnection Agreement Complete										
545	Sky High Solar LLC	Sky High Solar	C	Jun-23	20.0	20.0	20.0	20.0	20.0	Solar		(2) (5) (10)
564	Rock District Solar, LLC	Rock District Solar	F	Jul-24	20.0	20.0	20.0	20.0	20.0	Solar		(2) (5) (7)
565	Tayandenega Solar, LLC	Tayandenega Solar	F	Jun-24	20.0	20.0	20.0	20.0	20.0	Solar		(2) (5) (7)
572	Hecate Energy Greene 1 LLC	Greene County 1	G	Jan-23	20.0	20.0	20.0	20.0	20.0	Solar		(2) (5) (7)
573	Hecate Energy Greene 2 LLC	Greene County 2	G	Mar-23	10.0	10.0	10.0	10.0	10.0	Solar		(2) (5) (7)
581	SunEast Hills Solar LLC	Hills Solar	E	Feb-24	20.0	20.0	20.0	20.0	20.0	Solar		(2) (5) (8)
584	SunEast Dog Corners Solar LLC	Dog Corners Solar	C	Apr-24	20.0	20.0	20.0	20.0	20.0	Solar		(2) (5) (8)
586	SunEast Watkins Road Solar LLC	Watkins Rd Solar	E	Feb-24	20.0	20.0	20.0	20.0	20.0	Solar		(2) (5) (8)
590	SunEast Scipio Solar LLC.	Scipio Solar	C	Dec-24	18.0	18.0	18.0	18.0	18.0	Solar		(2) (5) (18)
591	SunEast Highview Solar LLC	Highview Solar	C	Dec-24	20.0	20.0	20.0	20.0	20.0	Solar	2019	(2)
592	SunEast Niagara Solar LLC	Niagara Solar	B	Jun-25	20.0	20.0	20.0	20.0	20.0	Solar		(2) (5) (18)
666	Martin Rd Solar LLC	Martin Rd Solar	A	Sep-23	20.0	20.0	20.0	20.0	20.0	Solar		(2) (5) (10)
667	Bakerstand Solar LLC	Bakerstand Solar	A	Oct-23	20.0	20.0	20.0	20.0	20.0	Solar		(2) (5) (10)
670	SunEast Skyline Solar LLC	SunEast Skyline Solar LLC	E	Aug-24	20.0	20.0	20.0	20.0	20.0	Solar		(2) (5) (8)
734	ELP Ticonderoga Solar, LLC	Ticonderoga Solar	F	Aug-24	20.0	20.0	20.0	20.0	20.0	Solar		(2) (5) (7)
744	Mitchell Energy Facility, LLC	Magruder Solar	G	Jan-24	20.0	20.0	20.0	20.0	20.0	Solar		(2) (5) (9)
807	SunEast Hilltop Solar LLC	Hilltop Solar	F	Jul-24	20.0	20.0	20.0	20.0	20.0	Solar		(2) (5) (9)
827	GB Arthur Kill Storage LLC	Arthur Kill Energy Storage 1	J	Sep-25	15.0	15.0	15.0	15.0	15.0	Energy Storage		(2) (5) (14)
828	SunEast Valley Solar LLC	Valley Solar	C	Nov-24	20.0	20.0	20.0	20.0	20.0	Solar		(2) (5) (9)
832	Granada Solar, LLC	CS Hawthorn Solar	F	Aug-24	20.0	20.0	20.0	20.0	20.0	Solar		(2) (5) (10)
833	Dolan Solar, LLC	Dolan Solar	F	Apr-24	20.0	20.0	20.0	20.0	20.0	Solar		(2) (5) (10)
848	SunEast Fairway Solar LLC	Fairway Solar	E	Mar-25	20.0	20.0	20.0	20.0	20.0	Solar		(2) (5) (9)
855	Bald Mountain Solar LLC	NY 13 Solar	F	Jun-25	20.0	20.0	20.0	20.0	20.0	Solar		(2) (5) (9)
865	SunEast Flat Hill Solar LLC	Flat Hill Solar	E	Dec-25	20.0	20.0	20.0	20.0	20.0	Solar		(2) (5) (10)
885	SunEast Grassy Knoll Solar LLC	Grassy Knoll Solar	E	Dec-25	20.0	20.0	20.0	20.0	20.0	Solar		(2) (5) (10)
1003	Clear View LLC	Clear View Solar	C	Jun-24	20.0	20.0	20.0	20.0	20.0	Solar		(2) (5) (11)
575	Little Pond Solar, LLC	Little Pond Solar	G	Jan-25	20.0	20.0	20.0	20.0	20.0	Solar		(2) (5) (7)
804	KCE NY 10, LLC	KCE NY 10	A	Nov-24	20.0	20.0	20.0	20.0	20.0	Energy Storage		(2) (5) (7)
		Non Class Year Generators (Small Generators) Facilities Study Complete										
784	High Bridge Wind, LLC	High Bridge Wind	E	Feb-25	5.0	N/A	N/A	5.0	5.0	Wind Turbines		(5)
843	Sandy Creek Solar LLC	NY37 Solar	E	Nov-25	20.0	N/A	N/A	20.0	20.0	Solar		(5)
863	Highbanks Solar LLC	Highbanks Solar	B	Dec-24	20.0	20.0	20.0	20.0	20.0	Solar		(5) (11)
1000	SED NY Holdings LLC	SunEast Flat Stone Solar LLC	E	Nov-26	20.0	20.0	20.0	20.0	20.0	Solar		(5) (18)
1015	Granada Solar, LLC	Somers Solar, LLC	F	Dec-24	20.0	N/A	N/A	20.0	20.0	Solar		(5)
1039	SED NY Holdings LLC	Morris Solar	E	Dec-25	20.0	20.0	0.0	20.0	20.0	Solar		(5) (18)
1051	SED NY Holdings LLC	Transit Solar	B	Dec-25	20.0	20.0	20.0	20.0	20.0	Solar		(5) (18)
1212	EMEREN US, LLC	Roosevelt Solar LLC	D	Dec-25	19.9	19.9	0.0	19.9	19.9	Solar+Energy Storage		(5) (18)

Table IV-1: Proposed Generator Additions & CRIS Requests (cont'd)

QUEUE POS.	OWNER / OPERATOR	STATION UNIT	ZONE	Proposed Date[6] (M-YY)	NAMEPLATE RATING (MW)	REQUESTED CRIS (MW)	CRIS (MW)	SUMMER (MW)	WINTER (MW)	UNIT TYPE	CLASS YEAR	NOTES
		Non Class Year Generators (Small Generators)										
		Facilities Study In Progress										
770	KCE NY 8 LLC	KCE NY 8a	G	Dec-24	20.0	N/A	N/A	20.0	20.0	Energy Storage		(5) (13)
806	SED NY Holdings LLC	Limestone Solar	F	Dec-25	20.0	N/A	N/A	20.0	20.0	Solar		(5)
913	SED NY Holdings LLC	SunEast Manchester Solar LLC	C	Dec-25	20.0	20.0	20.0	20.0	20.0	Solar		(5) (18)
930	Astoria Generating Company, LP	Astoria BES to 27kV North Queens	J	Dec-25	15.0	15.0	0.0	15.0	15.0	Energy Storage		(5) (18)
932	Hatchery Solar LLC	Hatchery Solar	B	May-25	20.0	20.0	20.0	20.0	20.0	Solar		(5) (18)
935	SED NY Holdings LLC	Augustus Solar	E	Dec-26	20.0	20.0	20.0	20.0	20.0	Solar		(5) (18)
945	Niagara Grid I, LLC	Niagara Grid	A	Dec-25	20.0	20.0	20.0	20.0	20.0	Energy Storage		(5) (18)
960	SWEB Development USA, LLC	Cobleskill Solar	F	Dec-25	20.0	N/A	N/A	20.0	20.0	Solar		(5)
972	SWEB Development USA, LLC	Warner Hill Solar	F	May-26	20.0	N/A	N/A	20.0	20.0	Solar		(5)
1018	Naturgy Candela DevCo LLC	Stone Mill Solar	F	Jun-26	20.0	N/A	N/A	20.0	20.0	Solar		(5)
1035	Easton Solar LLC	NY08 Solar	F	Dec-25	20.0	N/A	N/A	20.0	20.0	Solar		(5) (18)
1038	ELP Rotterdam Solar LLC	ELP Rotterdam Solar	F	Dec-25	20.0	N/A	N/A	20.0	20.0	Solar		(5) (13)
1047	SED NY Holdings LLC	Millers Grove Solar	E	Dec-26	20.0	20.0	20.0	20.0	20.0	Solar		(5) (18)
1061	ACE DEVCO NC, LLC	Teele	E	Jun-26	19.8	TBD	TBD	19.8	19.8	Solar		(3) (5)
1092	SED NY Holdings LLC	Hampton Corners Solar	B	Dec-25	20.0	20.0	20.0	20.0	20.0	Solar		(5) (18)
1098	SED NY Holdings LLC	Kingbird Solar	A	Dec-26	20.0	20.0	20.0	20.0	20.0	Solar		(5) (18)
1113	Caithness LI Energy Storage, LLC	CLIES 20 MW	K	Dec-25	20.0	TBD	TBD	20.0	20.0	Energy Storage		(3) (5)
1156	Green Power Energy, LLC	Cody Road Wind Farm	C	Jul-25	19.9	TBD	TBD	19.9	19.9	Wind Turbines		(5)
1166	BR Project 1 LLC	BR Benson Mines Solar	E	Oct-26	12.1	N/A	N/A	12.1	12.1	Solar		(5)
1171	ELP Stuyvesant Solar LLC	ELP Stuyvesant Solar	F	Nov-26	20.0	N/A	N/A	20.0	20.0	Solar		(5)
1227	Nexamp Solar LLC	18405 Scotch Ridge	F	Dec-25	20.0	N/A	N/A	20.0	20.0	Solar		(5)
1329	ELP Granby Solar II LLC	ELP Granby Solar II	C	Dec-26	20.0	N/A	N/A	20.0	20.0	Solar+Energy Storage		(5)
					Total			**23,372.1**	**23,376.4**			

Notes for Table IV-1: Proposed Generator Additions & CRIS Requests

1	Deleted.
2	Projects included as expected additions in this year's Load and Capacity Schedule, Table V-2a & V-2b.
3	Class Year 2023 CRIS-only projects.
4	Deleted.
5	Small Generating Facilities that are not subject to a Class Year Study but have an executed Small Generator Facilities Study Agreement.
6	For projects in this Table, this date is the proposed Commercial Operation Date. These dates are proposed to the NYISO by the Developer and are typically updated throughout the interconnection study process and throughout project development, to the extent permitted by Attachments X and Z to the OATT.
7	Projects obtained CRIS via Class Year 2019
8	Projects obtained CRIS via Expedited Deliverability Study 2020-01
9	Projects obtained CRIS via Expedited Deliverability Study 2020-02
10	Projects obtained CRIS via Expedited Deliverability Study 2021-01
11	Projects obtained CRIS via Expedited Deliverability Study 2022-01
12	Q#987 is a 44 MW uprate of Q#766.
13	Project is a member of Class Year 2023
14	Projects obtain CRIS via Class Year 2021
15	Deleted.
16	A 270 MW Co-located Storage Resource Project receiving (1) 270 MW ERIS of solar and 20 MW ERIS of energy storage and (2) 250 MW CRIS of solar and 20 MW CRIS of energy storage.
17	Q#396 consists of two phases: Phase 1 - 121.8 MW and Phase 2: 117 MW. Phase 1 is currently in commercial operation.
18	Projects obtained CRIS via Expedited Deliverability Study 2023-01

Table IV-2: Proposed Generator Re-ratings, as of March 15, 2024

There are no proposed generator re-ratings applicable for this Gold Book as of March 15, 2024.

Tables IV-3, IV-4 and IV-5: Generator Deactivations

Table IV-3: Deactivated Units with Unexpired CRIS Rights Not Listed in Section III Existing Generating Facilities, as of March 15, 2024

OWNER / OPERATOR	STATION	UNIT	ZONE	DATE [1]	PTID	CRIS (MW) SUMMER [2]	CRIS (MW) WINTER [2]	CAPABILITY (MW) SUMMER [2]	CAPABILITY (MW) WINTER [2]	Status [3]
Rockville Centre, Village of	Charles P Keller	07	K	03/01/2019	1661	2.0	2.0	1.9	1.9	R
Entergy Nuclear Power Marketing LLC	Indian Point	3	H	04/30/2021	23531	1,040.4	1,040.4	1,036.3	1,038.8	R
Freeport Electric	Freeport	1-4	K	05/01/2022	1660	4.4	4.4	4.5	5.0	R
ENGIE Energy Marketing NA, Inc.	Nassau Energy Corporation		K	07/15/2022	323695	51.6	60.1	38.5	51.0	R
Astoria Generating Company L.P.	Gowanus	1-1 [4]	J	11/01/2022	24077	19.1	24.9	15.9	24.8	R
Astoria Generating Company L.P.	Gowanus	1-2 [4]	J	11/01/2022	24078	17.1	22.3	19.5	24.9	R
Astoria Generating Company L.P.	Gowanus	1-3 [4]	J	11/01/2022	24079	17.2	22.5	15.3	23.4	R
Astoria Generating Company L.P.	Gowanus	1-4 [4]	J	11/01/2022	24080	17.1	22.3	16.4	21.7	R
Astoria Generating Company L.P.	Gowanus	1-5 [4]	J	11/01/2022	24084	16.5	21.6	17.8	22.7	R
Astoria Generating Company L.P.	Gowanus	1-6 [4]	J	11/01/2022	24111	18.0	23.5	14.2	21.3	R
Astoria Generating Company L.P.	Gowanus	1-7 [4]	J	11/01/2022	24112	17.6	23.0	18.0	22.4	R
Astoria Generating Company L.P.	Gowanus	4-1 [4]	J	11/01/2022	24130	16.8	21.9	15.2	24.1	R
Astoria Generating Company L.P.	Gowanus	4-2 [4]	J	11/01/2022	24131	17.3	22.6	18.5	23.5	R
Astoria Generating Company L.P.	Gowanus	4-3 [4]	J	11/01/2022	24132	17.6	23.0	18.4	22.0	R
Astoria Generating Company L.P.	Gowanus	4-4 [4]	J	11/01/2022	24133	17.1	22.3	16.0	21.5	R
Astoria Generating Company L.P.	Gowanus	4-5 [4]	J	11/01/2022	24134	17.1	22.3	16.6	22.1	R
Astoria Generating Company L.P.	Gowanus	4-6 [4]	J	11/01/2022	24135	18.6	24.3	18.5	24.3	R
Astoria Generating Company L.P.	Gowanus	4-7 [4]	J	11/01/2022	24136	16.6	21.7	18.4	23.6	R
Astoria Generating Company L.P.	Gowanus	4-8 [4]	J	11/01/2022	24137	19.0	24.8	17.2	22.3	R
Consolidated Edison Co. of NY, Inc.	Hudson Ave	3 [4]	J	11/01/2022	23810	16.0	20.9	12.3	15.6	R
Consolidated Edison Co. of NY, Inc.	Hudson Ave	5 [4]	J	11/01/2022	23657	15.1	19.7	15.3	18.6	R
Helix Ravenswood, LLC	Ravenswood	11 [4]	J	10/14/2023	24259	20.2	25.7	16.1	22.4	R
Helix Ravenswood, LLC	Ravenswood	01 [4]	J	10/14/2023	23729	8.8	11.5	7.7	11.1	R
					Total	**1,421.2**	**1,527.7**	**1,388.5**	**1,509.0**	

1. Approximate date of generator status change; not necessarily the date the generator became CRIS-inactive.
2. The CRIS, and Summer and Winter capacity levels are those that were in effect when the unit was last in service.
3. M = Mothball Outage per MST Section 5.18; R = retired or Retired as defined in the MST; I = ICAP Ineligible Forced Outage per MST Section 5.18.
4. This unit has also submitted a peaker rule compliance plan to the DEC.

Tables IV-3, IV-4 and IV-5: Generator Deactivations

Table IV-4: Deactivated Units Listed in Section III Existing Generating Facilities, as of March 15, 2024

OWNER / OPERATOR	STATION	UNIT	ZONE	DATE	PTID	CRIS (MW)		CAPABILITY (MW)		Status [1]
						SUMMER [2]	WINTER [2]	SUMMER [2]	WINTER [2]	
Exelon Generation Company, LLC	Madison County LF	E	04/01/2022	323628	1.6	1.6	1.6	1.6	I
Western New York Wind Corp.	Western NY Wind Power	B	05/01/2023	24143	0.0	0.0	0.0	0.0	R
Helix Ravenswood, LLC	Ravenswood 10 [3]	J	05/01/2023	24258	21.2	27.0	16.1	20.3	R
NRG Power Marketing LLC	Astoria GT 2-1 [3]	J	05/01/2023	24094	41.2	50.7	34.9	46.5	R
NRG Power Marketing LLC	Astoria GT 2-2 [3]	J	05/01/2023	24095	42.4	52.2	34.3	45.6	R
NRG Power Marketing LLC	Astoria GT 2-3 [3]	J	05/01/2023	24096	41.2	50.7	36.3	46.7	R
NRG Power Marketing LLC	Astoria GT 2-4 [3]	J	05/01/2023	24097	41.0	50.5	32.5	45.4	R
NRG Power Marketing LLC	Astoria GT 3-1 [3]	J	05/01/2023	24098	41.2	50.7	34.6	45.0	R
NRG Power Marketing LLC	Astoria GT 3-2 [3]	J	05/01/2023	24099	43.5	53.5	35.7	45.3	R
NRG Power Marketing LLC	Astoria GT 3-3 [3]	J	05/01/2023	24100	43.0	52.9	33.9	44.6	R
NRG Power Marketing LLC	Astoria GT 3-4 [3]	J	05/01/2023	24101	43.0	52.9	34.9	45.5	R
NRG Power Marketing LLC	Astoria GT 4-1 [3]	J	05/01/2023	24102	42.6	52.4	33.6	43.8	R
NRG Power Marketing LLC	Astoria GT 4-2 [3]	J	05/01/2023	24103	41.4	51.0	34.3	44.3	R
NRG Power Marketing LLC	Astoria GT 4-3 [3]	J	05/01/2023	24104	41.1	50.6	35.4	46.4	R
NRG Power Marketing LLC	Astoria GT 4-4 [3]	J	05/01/2023	24105	42.8	52.7	35.2	44.1	R
Cubit Power One Inc.	Arthur Kill Cogen	J	03/02/2024	323718	11.1	11.1	11.1	10.7	I
				Total	**538.3**	**660.5**	**444.4**	**575.8**	

1. M = Mothball Outage per MST Section 5.18; R = retired or Retired as defined in the MST; I = ICAP Ineligible Forced Outage per MST Section 5.18.
2. The CRIS, and Summer and Winter capacity levels are those that were in effect when the unit was last in service.
3. This unit has also submitted a peaker rule compliance plan to the DEC.

Tables IV-3, IV-4 and IV-5: Generator Deactivations

Table IV-5.: Notices of Proposed Deactivations[1] as of March 15, 2024

OWNER / OPERATOR	STATION	UNIT	ZONE	DATE [2]	PTID	CRIS (MW) SUMMER	CRIS (MW) WINTER	CAPABILITY (MW) SUMMER	CAPABILITY (MW) WINTER	Notes
Astoria Generating Company, L.P.	Astoria GT 01	J	05/01/2023	23523	15.7	20.5	13.8	17.6	3
Central Hudson Gas & Elec. Corp.	South Cairo	G	03/31/2024	23612	19.8	25.9	14.6	20.7	3
Central Hudson Gas & Elec. Corp.	Coxsackie GT	G	12/31/2024	23611	21.6	26.0	19.7	22.7	3
				Total	**57.1**	**72.4**	**48.1**	**61.0**	

1. Units listed in Table IV-5 have provided a notice to the NYSPSC and/or have a completed Generator Deactivation Notice with the NYISO.
2. This date refers to the proposed generator deactivation date stated in the generator deactivation notice
3. This unit has also submitted a peaker rule compliance plan to the DEC.

Table IV-6: Potential Generator Status Changes to Comply with State Rules and Climate Policy [1]

OWNER / OPERATOR	STATION	UNIT	ZONE	DATE	PTID	Nameplate Rating (MW)	CRIS (MW) SUMMER	CRIS (MW) WINTER	CAPABILITY (MW) SUMMER	CAPABILITY (MW) WINTER	Notes
National Grid	Shoreham	1	K	05/01/2023	23715	52.9	48.9	63.9	42.0	63.0	2, 4
National Grid	Shoreham	2	K	05/01/2023	23716	18.6	18.5	23.5	17.4	21.5	2, 4
National Grid	Glenwood GT	03	K	05/01/2023	23689	55.0	54.7	71.5	52.0	65.9	2, 4
NRG Power Marketing, LLC	Arthur Kill GT	1	J	05/01/2025	23520	20.0	16.5	21.6	12.3	15.8	2
Astoria Generating Company, L.P.	Gowanus	2-1 through 2-8	J	05/01/2025	24114-24121	160.0	152.8	199.6	140.9	179.1	3
Astoria Generating Company, L.P.	Gowanus	3-1 through 3-8	J	05/01/2025	24122-24129	160.0	146.8	191.7	138.5	178.5	3
Astoria Generating Company, L.P.	Narrows	1-1 through 2-8	J	05/01/2025	24228-24243	352.0	309.1	403.6	284.3	365.7	3
New York Power Authority	Gowanus	5	J	12/31/2030	24156	47.0	45.4	45.4	40.0	40.0	5
New York Power Authority	Gowanus	6	J	12/31/2030	24157	47.0	46.1	46.1	39.9	39.9	5
New York Power Authority	Kent		J	12/31/2030	24152	47.0	46.9	46.9	46.0	46.0	5
New York Power Authority	Pouch		J	12/31/2030	24155	47.0	47.1	47.1	45.4	46.0	5
New York Power Authority	Hellgate	1	J	12/31/2030	24158	47.0	45.0	45.0	39.9	39.9	5
New York Power Authority	Hellgate	2	J	12/31/2030	24159	47.0	45.0	45.0	39.6	40.0	5
New York Power Authority	Harlem River	1	J	12/31/2030	24160	47.0	46.0	46.0	39.9	39.9	5
New York Power Authority	Harlem River	2	J	12/31/2030	24161	47.0	45.2	45.2	39.6	40.0	5
New York Power Authority	Vernon Blvd	2	J	12/31/2030	24162	47.0	46.2	46.2	40.0	40.0	5
New York Power Authority	Vernon Blvd	3	J	12/31/2030	24163	47.0	43.8	43.8	39.9	39.9	5
New York Power Authority	Brentwood		K	12/31/2030	24164	47.0	47.1	47.1	45.0	46.0	5
						Total	**1,251.1**	**1,479.2**	**1,142.6**	**1,347.1**	

1. This table includes the potential status changes of units to comply with DEC Peaker Rule and laws and policies related to the Climate Leadership and Community Protection Act. Units listed have not proivded a notice to the NYSPSC or completed a Generator Deactivation Notice with the NYISO.

2. These units have indicated they will be out of service as noted in their compliance plans in response to the DEC peaker rule.

3. 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. 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).

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 as directed by PSEG Long Island, until at least May 1, 2025

5. The 2023-2024 Enacted New York State Budget legislation amended the Power Authority Act to require the New York Power Authority (NYPA) to publish a transition plan by May 2025 to phase out electrical production from its eleven "small natural gas power plants" and to cease electricity production from those plants using natural gas by 12/31/2030 unless NYPA determines that such plant or plants are needed for emergency power service or electric system reliability, or existing or proposed replacement generation resources would result in more than a de minimis net increase of emissions of CO_2 or criteria air pollutants within a disadvantaged community. NYPA will solicit public input on proposed plant deactivation decisions, which will be made on a plant-by-plant basis. Deactivation notices must be filed timely with the NYISO for each deactivation. For additional information see https://legislation.nysenate.gov/pdf/bills/2023/S4006C (Part QQ §5 on page 126).

Table IV-7: Large Load Interconnection Requests

QUEUE POS.	OWNER / OPERATOR	PROJECT	ZONE	Proposed Date[1] (M-YY)	SUMMER (MW)[3]	WINTER (MW)[3]	NOTES
580	Genesee County Economic Devel.	WNY STAMP	B	Dec-24	300.0	300.0	(2)
776	Greenidge Generation LLC	Greenidge Load	C	Jun-25	60.0	60.0	
850	Cayuga Operating Company, LLC	Cayuga Load	C	Dec-26	50.0	50.0	(2)
979	North Country Data Center	North Country Data Center	D	Dec-24	176.0	176.0	(2) (4)
1213	Petawatt Holdings, Inc.	St Lawrence Data and Agricultural Center	D	Jan-26	200.0	200.0	
1315	Sabey Data Center Properties, LLC	SDC St. Lawrence	D	Aug-25	120.0	120.0	
1446	Air Products and Chemical Inc	Massena Green Hydrogen	D	Oct-25	110.0	110.0	(2)
1465	Digihost Technologies, Inc.	Digihost Load	A	Apr-24	50.2	50.2	(5)
1484	GCEDC	580 STAMP load increase	B	Dec-24	300.0	300.0	(2)
1536	Micron New York Semiconductor Manufacturing LLC	White Pine Phase 1	C	Jun-26	480.0	480.0	(2)
1627	Micron New York Semiconductor Manufacturing LLC	Micron Fab 2	C	Sep-30	576.0	507.0	(2)
1646	P&M Brick LLC	POWI Project	F	Jan-27	50.0	50.0	(2)
1670	Lake Mariner data LLC	Lake Mariner Data II	A	Apr-25	250.0	250.0	(2)
				Total	**2,722.2**	**2,653.2**	

1. For projects in this table, this date is the proposed In-Service Date.
2. Projects included in Table I-14: Large Loads Forecast. Table I-14 lists the annual zonal energy and peak demand impacts of these projects as assumed in the baseline forecast, and does not necessarily reflect the proposed date and summer and winter MW listed in this table. Table I-14 also includes impacts for loads not listed in the NYISO Interconnection Queue as of March 15, 2024.
3. The values in this table reflect the information from the NYISO Interconnection Queue.
4. This project is a 176 MW uprate of an existing 259 MW load facility, resulting in a total load of 435 MW.
5. This project is a 50.2 MW uprate of an existing 9.8 MW load facility, resulting in a total load of 60 MW.

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Section V

NYCA Capacity Schedule

New York ISO

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Section V

This section provides a summary of projected NYCA capacity from 2024 through 2034. Table V-1 summarizes Net Capacity Purchases (MW) from External Control Areas from 2024 through 2034. Table V-2a summarizes the NYCA Capacity Schedule for the Summer Capability Period from 2024 through 2034. Table V-2b summarizes the NYCA Capacity Schedule for the Winter Capability Period from 2024-25 through 2034-35. Information for Tables V-2a and V-2b is obtained from Tables I-1, III-2, IV-1 through IV-6, and V-1. Definitions of the entries reported in Table V-2 are listed on the following page. Table V-3 lists historical Installed Reserve Margin ("IRM") values as approved by the New York State Reliability Council ("NYSRC") for the New York Control Area and the historical minimum Locational Capacity Requirements ("LCRs") approved by the NYISO for the Zones G-J, Zone J, and Zone K localities.

The NYISO's Installed Capacity market rules allow Special Case Resources (*i.e.*, interruptible load customers and qualified Local Generators) to participate in the Installed Capacity market. Based on current projections, these customers are expected to provide 1,281.0 MW of summer capacity and 1,004.8 MW of winter capacity. Tables V-2a and V-2b include the summer and winter capacity projections for SCR.

The projected NYCA resource capability for the 2024 Summer Capability Period is 39,287.0 MW. This value is the sum of existing facilities (37,374.9 MW), Special Case Resources (1,281.0 MW), and projected net generation changes (increase of 631.1 MW). With the inclusion of projected net Capacity purchases from external control areas of 1,584.7 MW, the total projected resource capability is 40,871.7 MW.

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Definitions of Labels on NYCA Capacity Schedule

Special Case Resources (SCR)	SCR are loads capable of being interrupted upon demand and Local Generators that are not visible to the ISO's Market Information System. SCR are subject to special rules in order to participate as Capacity suppliers
NYCA Resource Capability	Summation of all existing generation, additions, re-ratings, retirements and Special Case Resources
Net Capacity Purchases	Positive values of net capacity purchases represent capacity that is imported to NYCA, after subtracting sales that are exported to other control areas
Total Resource Capability	The sum of NYCA Resource Capability and Net Capacity Purchases
Additions	Generating additions expected prior to the seasonal peak demand
Deactivations	Noticed generator deactivations (retirements, mothballs, generator outages) expected prior to the seasonal peak demand
Unforced Capability Deliverability Right (UDR)	Controllable transmission project that provides a transmission interface into a Locality
External-to-ROS Deliverability Rights (EDR)	Controllable transmission project that provides a transmission interface into Rest of State (ROS)

Table V-1: Summary of Projected Net Capacity Purchases from External Control Areas

Summer Net Capacity Purchases

MW

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
ISO NE	-168.4	-419.7	-390.0	-84.2	-83.6	-83.6	-83.6	-83.6	-83.6	-83.6	-83.6
HQ	1,201.0	1,190.0	2,440.0	2,440.0	2,440.0	2,440.0	2,440.0	2,440.0	2,440.0	2,440.0	2,440.0
IESO	-277.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PJM	830.0	830.0	830.0	830.0	830.0	830.0	830.0	830.0	830.0	830.0	830.0
Total	**1,584.7**	**1,600.3**	**2,880.0**	**3,185.8**	**3,186.4**	**3,186.4**	**3,186.4**	**3,186.4**	**3,186.4**	**3,186.4**	**3,186.4**

Winter Net Capacity Purchases

MW

	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32	2032/33	2033/34	2034/35
ISO NE	-343.2	-537.0	-390.0	-84.2	-83.6	-83.6	-83.6	-83.6	-83.6	-83.6	-83.6
HQ	390.6	308.0	308.0	308.0	308.0	308.0	308.0	308.0	308.0	308.0	308.0
IESO	-118.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PJM	829.9	829.9	829.9	829.9	829.9	829.9	829.9	829.9	829.9	829.9	829.9
Total	**759.0**	**600.9**	**747.9**	**1,053.7**	**1,054.3**	**1,054.3**	**1,054.3**	**1,054.3**	**1,054.3**	**1,054.3**	**1,054.3**

Notes

(1) — Positive values of Net Capacity Purchases represent capacity that is imported to NYCA, after subtracting capacity sales that are exported to other control areas.

(2) — Figures include the election of Unforced Capacity Deliverability Rights (UDRs), External CRIS Rights, Existing Transmission Capacity for Native Load (ETCNL) elections, estimated First Come First Serve Rights (FCFSR), and grandfathered exports. For more information on the use of UDRs, please see section 4.14 of the ICAP Manual.

(3) — The only forward capacity market transactions reflected in the above values are forward capacity market transactions with ISO-NE through 2026, excluding wheel transactions from HQ to ISO-NE.

(4) — Includes assumptions of CHPE line availability from Table VII: Proposed Transmission Facilities (Queue Nos. 631 and 887).

(5) — Values represent averages across the capability period where appropriate.

Table V-2a: NYCA Capacity Schedule – Summer Capability Period

	SUMMER CAPABILITY (MW)	Existing Generating Facilities	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Fossil	Steam Turbine (Oil)	809.5	809.5	809.5	809.5	809.5	809.5	809.5	809.5	809.5	809.5	809.5	809.5
	Steam Turbine (Oil & Gas)	8,471.9	8,471.9	8,471.9	8,471.9	8,471.9	8,471.9	8,471.9	8,471.9	8,471.9	8,471.9	8,471.9	8,471.9
	Steam Turbine (Gas)	1,447.9	1,447.9	1,447.9	1,447.9	1,447.9	1,447.9	1,447.9	1,447.9	1,447.9	1,447.9	1,447.9	1,447.9
	Combined Cycle (Oil & Gas)	8,368.9	8,368.9	8,368.9	8,368.9	8,368.9	8,368.9	8,368.9	8,368.9	8,368.9	8,368.9	8,368.9	8,368.9
	Combined Cycle (Gas)	2,505.3	2,505.3	2,505.3	2,505.3	2,505.3	2,505.3	2,505.3	2,505.3	2,505.3	2,505.3	2,505.3	2,505.3
	Jet Engine (Oil)	612.1	594.7	594.7	594.7	594.7	594.7	594.7	594.7	594.7	594.7	594.7	594.7
	Jet Engine (Oil & Gas)	874.9	874.9	874.9	874.9	874.9	874.9	874.9	874.9	874.9	874.9	874.9	874.9
	Jet Engine (Gas)	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
	Combustion Turbine (Oil)	515.5	401.8	401.8	401.8	401.8	401.8	401.8	401.8	401.8	401.8	401.8	401.8
	Combustion Turbine (Oil & Gas)	951.2	951.2	936.6	936.6	372.9	372.9	372.9	372.9	372.9	372.9	372.9	372.9
	Combustion Turbine (Gas)	648.5	634.7	622.4	622.4	622.4	622.4	622.4	622.4	167.2	167.2	167.2	167.2
	Internal Combustion (Oil)	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
	Internal Combustion (Oil & Gas)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
	Internal Combustion (Gas)	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
Nuclear	Steam (PWR Nuclear)	581.5	581.5	581.5	581.5	581.5	581.5	581.5	581.5	581.5	581.5	581.5	581.5
	Steam (BWR Nuclear)	2,748.9	2,748.9	2,748.9	2,748.9	2,748.9	2,748.9	2,748.9	2,748.9	2,748.9	2,748.9	2,748.9	2,748.9
Renewable (4)	Conventional Hydro	4,274.1	4,274.1	4,274.1	4,274.1	4,274.1	4,274.1	4,274.1	4,274.1	4,274.1	4,274.1	4,274.1	4,274.1
	Internal Combustion (Methane)	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7
	Steam Turbine (Refuse)	230.3	230.3	230.3	230.3	230.3	230.3	230.3	230.3	230.3	230.3	230.3	230.3
	Wind (5)	2,453.5	2,589.5	3,436.2	4,507.2	7,232.3	7,232.3	7,232.3	7,232.3	7,232.3	7,232.3	7,232.3	7,232.3
	Solar (7)	254.4	874.4	3,025.7	3,535.7	3,535.7	3,535.7	3,535.7	3,535.7	3,535.7	3,535.7	3,535.7	3,535.7
Storage	Energy Storage	20.0	40.0	360.0	631.1	1,650.9	1,650.9	1,650.9	1,650.9	1,650.9	1,650.9	1,650.9	1,650.9
	Pumped Storage Hydro	1,409.8	1,409.8	1,409.8	1,409.8	1,409.8	1,409.8	1,409.8	1,409.8	1,409.8	1,409.8	1,409.8	1,409.8
	GENERATING FACILITIES	**37,374.9**	**38,006.0**	**41,297.1**	**43,149.2**	**46,330.4**	**46,330.4**	**46,330.4**	**46,330.4**	**45,875.2**	**45,875.2**	**45,875.2**	**45,875.2**
	Special Case Resources - SCR (3)	1,281.0	1,281.0	1,281.0	1,281.0	1,281.0	1,281.0	1,281.0	1,281.0	1,281.0	1,281.0	1,281.0	1,281.0
	NYCA RESOURCE CAPABILITY (9)	**38,655.9**	**39,287.0**	**42,578.1**	**44,430.2**	**47,611.4**	**47,611.4**	**47,611.4**	**47,611.4**	**47,156.2**	**47,156.2**	**47,156.2**	**47,156.2**
Contracts	Net Capacity Purchases (1) (6)	1,584.7	1,584.7	1,600.3	2,880.0	3,185.8	3,186.4	3,186.4	3,186.4	3,186.4	3,186.4	3,186.4	3,186.4
	TOTAL RESOURCE CAPABILITY	**40,240.6**	**40,871.7**	**44,178.4**	**47,310.2**	**50,797.2**	**50,797.8**	**50,797.8**	**50,797.8**	**50,342.6**	**50,342.6**	**50,342.6**	**50,342.6**

Expected Changes (MW)

Additions (from Table IV-1) (2)	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033+	TOTAL
Wind	136.0	846.7	1,071.0	2,725.1							**4,778.8**
Solar	620.0	2,151.3	510.0								**3,281.3**
Energy Storage	20.0	320.0	271.1	1,019.8							**1,630.9**
Total Additions	**776.0**	**3,318.0**	**1,852.1**	**3,744.9**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**9,691.0**

Deactivations & Status Changes (from Tables IV-5 & IV-6) (8)	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033+	TOTAL
Jet Engine (Oil)	-17.4										**-17.4**
Combustion Turbine (Oil)	-113.7										**-113.7**
Combustion Turbine (Oil & Gas)		-14.6		-563.7							**-578.3**
Combustion Turbine (Gas)	-13.8	-12.3						-455.2			**-481.3**
Total Deactivations & Status Changes	**-144.9**	**-26.9**	**0.0**	**-563.7**	**0.0**	**0.0**	**0.0**	**-455.2**	**0.0**	**0.0**	**-1,190.7**

Table V-2b: NYCA Capacity Schedule – Winter Capability Period

	WINTER CAPABILITY (MW)	Existing Generating Facilities	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32	2032/33	2033/34	2034/35
Fossil	Steam Turbine (Oil)	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2
	Steam Turbine (Oil & Gas)	8,504.1	8,504.1	8,504.1	8,504.1	8,504.1	8,504.1	8,504.1	8,504.1	8,504.1	8,504.1	8,504.1	8,504.1
	Steam Turbine (Gas)	1,474.8	1,474.8	1,474.8	1,474.8	1,474.8	1,474.8	1,474.8	1,474.8	1,474.8	1,474.8	1,474.8	1,474.8
	Combined Cycle (Oil & Gas)	9,689.2	9,689.2	9,689.2	9,689.2	9,689.2	9,689.2	9,689.2	9,689.2	9,689.2	9,689.2	9,689.2	9,689.2
	Combined Cycle (Gas)	2,889.8	2,889.8	2,889.8	2,889.8	2,889.8	2,889.8	2,889.8	2,889.8	2,889.8	2,889.8	2,889.8	2,889.8
	Jet Engine (Oil)	742.6	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1	721.1
	Jet Engine (Oil & Gas)	968.2	968.2	968.2	968.2	968.2	968.2	968.2	968.2	968.2	968.2	968.2	968.2
	Jet Engine (Gas)	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
	Combustion Turbine (Oil)	638.5	486.9	486.9	486.9	486.9	486.9	486.9	486.9	486.9	486.9	486.9	486.9
	Combustion Turbine (Oil & Gas)	1,165.7	1,145.0	1,145.0	1,145.0	1,145.0	1,145.0	1,145.0	1,145.0	1,145.0	1,145.0	1,145.0	1,145.0
	Combustion Turbine (Gas)	673.4	655.8	640.0	640.0	640.0	640.0	640.0	182.4	182.4	182.4	182.4	182.4
	Internal Combustion (Oil)	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
	Internal Combustion (Oil & Gas)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
	Internal Combustion (Gas)	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
Nuclear	Steam (PWR Nuclear)	581.8	581.8	581.8	581.8	581.8	581.8	581.8	581.8	581.8	581.8	581.8	581.8
	Steam (BWR Nuclear)	2,772.8	2,772.8	2,772.8	2,772.8	2,772.8	2,772.8	2,772.8	2,772.8	2,772.8	2,772.8	2,772.8	2,772.8
Renewable (4)	Conventional Hydro	4,225.0	4,225.0	4,225.0	4,225.0	4,225.0	4,225.0	4,225.0	4,225.0	4,225.0	4,225.0	4,225.0	4,225.0
	Internal Combustion (Methane)	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7
	Steam Turbine (Refuse)	228.3	228.3	228.3	228.3	228.3	228.3	228.3	228.3	228.3	228.3	228.3	228.3
	Wind (5)	2,453.5	2,807.3	3,583.2	7,232.3	7,232.3	7,232.3	7,232.3	7,232.3	7,232.3	7,232.3	7,232.3	7,232.3
	Solar (7)	254.4	2,629.7	3,445.7	3,535.7	3,535.7	3,535.7	3,535.7	3,535.7	3,535.7	3,535.7	3,535.7	3,535.7
Storage	Energy Storage	20.0	360.0	574.8	1,652.7	1,652.7	1,652.7	1,652.7	1,652.7	1,652.7	1,652.7	1,652.7	1,652.7
	Pumped Storage Hydro	1,409.4	1,409.4	1,409.4	1,409.4	1,409.4	1,409.4	1,409.4	1,409.4	1,409.4	1,409.4	1,409.4	1,409.4
	GENERATING FACILITIES	**39,704.8**	**42,562.5**	**44,353.4**	**49,170.4**	**49,170.4**	**49,170.4**	**49,170.4**	**48,712.8**	**48,712.8**	**48,712.8**	**48,712.8**	**48,712.8**
	Special Case Resources - SCR (3)	1,004.8	1,004.8	1,004.8	1,004.8	1,004.8	1,004.8	1,004.8	1,004.8	1,004.8	1,004.8	1,004.8	1,004.8
	NYCA RESOURCE CAPABILITY (9)	**40,709.6**	**43,567.3**	**45,358.2**	**50,175.2**	**50,175.2**	**50,175.2**	**50,175.2**	**49,717.6**	**49,717.6**	**49,717.6**	**49,717.6**	**49,717.6**
Contracts	Net Capacity Purchases (1) (6)	759.0	759.0	600.9	747.9	1,053.7	1,054.3	1,054.3	1,054.3	1,054.3	1,054.3	1,054.3	1,054.3
	TOTAL RESOURCE CAPABILITY	**41,468.6**	**44,326.3**	**45,959.1**	**50,923.1**	**51,228.9**	**51,229.5**	**51,229.5**	**50,771.9**	**50,771.9**	**50,771.9**	**50,771.9**	**50,771.9**

Expected Changes (MW)

Additions (from Table IV-1) (2)	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32	2032/33	2033/34+	TOTAL
Wind	353.8	775.9	3,649.1								**4,778.8**
Solar	2,375.3	816.0	90.0								**3,281.3**
Energy Storage	340.0	214.8	1,077.9								**1,632.7**
Total Additions	**3,069.1**	**1,806.7**	**4,817.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**9,692.8**

Deactivations & Status Changes (from Tables IV-5 & IV-6) (8)	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32	2032/33	2033/34+	TOTAL
Jet Engine (Oil)	-21.5										**-21.5**
Combustion Turbine (Oil)	-151.6										**-151.6**
Combustion Turbine (Oil & Gas)	-20.7										**-20.7**
Combustion Turbine (Gas)	-17.6	-15.8					-457.6				**-491.0**
Total Deactivations & Status Changes	**-211.4**	**-15.8**	**0.0**	**0.0**	**0.0**	**0.0**	**-457.6**	**0.0**	**0.0**	**0.0**	**-684.8**

Notes for Table V-2 NYCA Capacity Schedule

(1)	Net Capacity Purchases - Positive values of Net Capacity Purchases represent capacity that is imported to NYCA, after subtracting capacity sales that are exported to other control areas.
(2)	Additions: Projects that have either completed a Class Year Interconnection Facilities Study or an Interconnection Agreement for Non Class Year Generators, as shown in Table IV-1.
(3)	Special Case Resources (SCR) are loads capable of being interrupted upon demand and Local Generators that are not visible to the ISO's Market Information System. SCRs are subject to special rules in order to participate as Capacity suppliers.
(4)	The renewable category does not necessarily match New York State policy definitions.
(5)	Existing wind generators are listed at their full nameplate rating.
(6)	Figures include the use of Unforced Capacity Deliverability Rights (UDR) and External-to-Rest of State Deliverability Rights (EDR) as currently known. For more information on the use of UDR and EDR, please see Section 4.14 of the ICAP Manual.
(7)	Existing solar generators are listed at their full nameplate rating.
(8)	Noticed deactivations as shown in Table IV-5, and potential status changes as shown in Table IV-6.
(9)	NYCA resource capability inclusive of SCRs, existing generation, additions, status changes, and deactivations.

Table V-3: Historical IRM and LCR Values

Capability Year (May - April)	IRM (%)	Zone J LCR (%)	Zone K LCR (%)	G-to-J LCR (%)
2000	18.0	80.0	107.0	--
2001	18.0	80.0	98.0	--
2002	18.0	80.0	93.0	--
2003	18.0	80.0	95.0	--
2004	18.0	80.0	99.0	--
2005	18.0	80.0	99.0	--
2006	18.0	80.0	99.0	--
2007	16.5	80.0	99.0	--
2008	15.0	80.0	94.0	--
2009	16.5	80.0	97.5	--
2010	18.0	80.0	104.5	--
2011	15.5	81.0	101.5	--
2012	16.0	83.0	99.0	--
2013	17.0	86.0	105.0	--
2014	17.0	85.0	107.0	88.0
2015	17.0	83.5	103.5	90.5
2016	17.5	80.5	102.5	90.0
2017	18.0	81.5	103.5	91.5
2018	18.2	80.5	103.5	94.5
2019	17.0	82.8	104.1	92.3
2020	18.9	86.6	103.4	90.0
2021	20.7	80.3	102.9	87.6
2022	19.6	81.2	99.5	89.2
2023	20.0	81.7	105.2	85.4
2024	22.0	80.4	105.3	81.0

Note: Historical Installed Reserve Margin ("IRM") percentage values as approved by the New York State Reliability Council ("NYSRC") and historical minimum Locational Capacity Requirement ("LCR") values as approved by the NYISO.

This information comes in part from the NYSRC website.

Note: The Capability Year runs from the May of the listed year to the April of the following year.
For example, the 22.0% IRM for 2024 is effective for the 2024 Capability Year (May 2024 through April 2025).

Note: G-to-J LCR percentage values begin in the 2014 Capability Year following the creation of the G-to-J Locality.

Note: On April 19, 2024, the Operating Committee approved the revision of the Locational Minimum Installed Capacity Requirement (LCR) for Load Zone J to 80.4% for the 2024-2025 Capability Year.

Section VI

Existing Transmission Facilities

New York ISO

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Section VI

This section contains the updated list of existing transmission facilities as provided by each Transmission Owner operating in the NYCA (as of March 15, 2024). The information in Table VI-1 is redacted as it may contain Critical Energy Infrastructure Information.

A version of the 2024 *Gold Book* that includes this table is available to individuals with a *myNYISO* account. To access a version of the 2024 *Gold Book* that includes Table VI-1, log in to *myNYISO* and visit the *Load & Capacity Data Report (Gold Book) – Secure* folder on the following webpage:

https://www.nyiso.com/cspp

To register for a *myNYISO* account visit:

https://www.nyiso.com/login?p_p_id=com_liferay_login_web_portlet_LoginPortlet&p_p_lifecycle=0&_com_liferay_login_web_portlet_LoginPortlet_redirect=%2F

Table VI-2: Mileage of Existing Transmission Facilities

Facilities by kV Class Overhead (OH) Underground (UG)	115 kV OH	 UG	138 kV OH	 UG	230 kV OH	 UG	345 kV OH	 UG	500 kV OH	765 kV OH	150 kV DC UG	500 kV DC UG	Total	
CENTRAL HUDSON GAS & ELECTRIC CORPORATION	218.9	4.1	0.0	0.0	0.0	0.0	76.1	0.0	0.0	0.0			299.2	
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC	0.0	0.0	21.8	220.6 (a)	0.4	0.0	421.8 (b) (i)	185.1 (h)	5.3	0.0			855.0	(b)
LONG ISLAND POWER AUTHORITY	0.0	0.0	255.8	184.3 (e)	0.0	0.0	0.0	9.3 (g)	0.0	0.0	24.0	66.0 (g)	539.4	
NEW YORK POWER AUTHORITY	54.0 (f)	1.8	0.0	0.0	338.1	0.0	977.2	42.8	0.0	155.2			1,569.1	
NEW YORK STATE ELECTRIC & GAS CORPORATION	1,489.5	7.5	0.0	0.0	241.1	0.0	550.5	0.0	0.0	0.0			2,288.6	
NATIONAL GRID WESTERN, CENTRAL & EASTERN	3,929.0	27.1	0.0	0.0	354.8	20.2	680.1	0.0	0.0	0.0			5,011.2	
ORANGE AND ROCKLAND UTILITIES INC.	0.0	0.0	86.2	10.6 (a)	0.0	0.0	61.2 (b)	3.4 (d)	0.0	0.0			161.3	
ROCHESTER GAS AND ELECTRIC CORPORATION	283.5	37.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			320.5	
NEW YORK TRANSCO, LLC	69.1						90.1						159.2	
NextEra ENERGY TRANSMISSION NEW YORK, INC.							20.0						20.0	
LS POWER GRID NEW YORK CORPORATION I					0.1		87.8						87.9	
TOTALS BY kV CLASS (c)	**6,044.1**	**77.6**	**363.8**	**415.4**	**934.5**	**20.2**	**2,917.5**	**240.6**	**5.3**	**155.2**	**24.0**	**66.0**	**11,264.2**	(c)

TOTAL OVERHEAD	=	10,420.3	(c)
TOTAL UNDERGROUND	=	843.8	(c)
TOTAL	=	11,264.2	(c)

Notes:

(a) 1.4 circuit miles are owned by GenOn
(b) 47.2 circuit miles are jointly owned by Con Ed and Orange & Rockland
(c) These totals reflect the appropriate adjustments for jointly owned facilities (footnote b)
(d) 3.4 circuit miles are owned by GenOn as indicated in the list of existing transmission facilities
(e) Includes 5.6 miles of three parallel cables from LIPA's Northport to the NY/CT State Border (middle of Long Island Sound). Additional 3.9 miles energized in 1983 is part of an existing cable circuit between Newbridge and Bagatelle.
(f) 18.54 circuit miles are owned by Alcoa
(g) A total of 67.7 circuit miles are owned by NRTS-Neptune Regional Transmission as indicated in the list of existing transmission facilities
(h) 1.5 circuit miles are owned by East Coast Power, LLC as indicated in the list of existing transmission facilities
(i) 0.5 miles (345 kV) are owned by Entergy as indicated in the list of existing transmission facilities

Section VII

Proposed Transmission Facilities

New York ISO

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Section VII

This section contains the list of firm and non-firm proposed transmission projects and merchant transmission projects (as of March 15, 2024). Projects that were placed in-service since the publication of the 2023 *Gold Book* are maintained on the list of proposed transmission projects for one year.

Table VII: Proposed Transmission Facilities

[Project Queue Position] / Project Notes	Transmission Owner	Terminals		Line Length in Miles (1)	Proposed In-Service Prior to (2) Year	Nominal Voltage in kV		# of ckts	Thermal Ratings (4)		Project Description / Conductor Size	Class Year / Type of Construction
						Operating	Design		Summer	Winter		
Class Year Transmission Projects (18)												
[1288]	Clean Path New York LLC	Fraser 345kV	Rainey 345kV	173.0	S	2027	492	492	1	1300 MW	1300 MW	-/+ 400kV Bipolar HVDC cable	TBD
[631],15,21	CHPE LLC	Hertel 735kV (Quebec)	Astoria Annex 345kV	363.0	S	2026	400	400	1	1000 MW	1000 MW	-/+ 320kV Bipolar HVDC cable	2021
[887],15,21	CHPE LLC	Hertel 735kV (Quebec)	Astoria Annex 345kV	363.0	S	2026	400	400	1	250 MW	250 MW	-/+ 320kV Bipolar HVDC cable	2021
[679]	Anabaric Development Partners, LLC	On-shore (Gowanus 345kV)	Off-shore Station	178.0	W	2026	400	400	1	1200 MW	1200 MW	-/+ 320kV Bipolar HVDC cable	TBD
[680], 16	Anabaric Development Partners, LLC	On-shore (Ruland 138kV)	Off-shore Station	192.0	W	2026	400	400	1	1200 MW	1200 MW	-/+ 320kV Bipolar HVDC cable	TBD
[792], 16	Anabaric Development Partners, LLC	On-shore (Ruland 138kV)	Off-shore Station	192.0	W	2026	400	400	1	800 MW	800 MW	-/+ 320kV Bipolar HVDC cable	TBD
TIP Projects (19) (Included in FERC 715 Base Case)												
556	LSP/NGRID	Gordon Rd (New Station)	New Scotland	-24.9	Removed	2023	345	345	1	2190	2718	AC Transmission Project Segment A/2-795 ACSR/2-954 ACSS	
556	LSP	Gordon Rd (New Station)	Princetown (New Station)	5.3	In-Service	2023	345	345	1	3410	3709	AC Transmission Project Segment A/2-954 ACSS	
556	LSP	Princetown (New Station)	New Scotland	20.2	In-Service	2023	345	345	2	3410	3709	AC Transmission Project Segment A/2-954 ACSS	
556	LSP/NGRID	Princetown (New Station)	New Scotland	19.8	In-Service	2023	345	345	1	2190	2718	AC Transmission Project Segment A/2-795 ACSR	
556	LSP/NYPA/NGRID	Edic	Princetown (New Station)	67.0	In-Service	2023	345	345	2	3384	3688	AC Transmission Project Segment A/2-954 ACSS; To be energized on 12/07/2023	
556	NYPA	Edic	Marcy	1.4	In-Service	2023	345	345	1	3150	3750	AC Transmission Project Segment A; Terminal Equipment Upgrades to existing line	
556	NGRID	Rotterdam	Rotterdam	remove 77H Bus	S	2028	230	230	N/A	N/A	N/A	Rotterdam 230kV Substation 77H Bus and 230:115kV #7 and #8 Transformers Retired and #6 230:115kV Moved to Existing #7 Transformer Position	
556	LSP	Gordon Rd (New Station)	Gordon Rd (New Station)	remove transformer	S	2029	345/230	345/230	1	637 MVA	760 MVA	Gordon Road T9/TR_G1 345/230 kV transformer is to retire by Spring 2029	
556	LSP/NGRID	Gordon Rd (New Station)	Rotterdam	-0.1	S	2029	230	230	1	1260	1500	Gordon Road T9/TR_G1 345/230 kV transformer to retire by Spring 2029; Line#31 series jumper is to also retire with the transformer T9	
556	LSP	Gordon Rd (New Station)	Rotterdam	transformer	S	2029	345/115	345/115	2	882 MVA	996 MVA	Two Gordon Road 345/115 kV transformers are to come online by Spring 2029; AC Transmission Seg A project	
543	NGRID	Greenbush	Hudson	-26.4	In service	2023	115	115	1	648	800	AC Transmission Project Segment B	23 / OH
543	NGRID	Hudson	Pleasant Valley	-39.2	In service	2023	115	115	1	648	800	AC Transmission Project Segment B	23 / OH
543	NGRID	Schodack	Churchtown	-26.7	In service	2023	115	115	1	937	1141	AC Transmission Project Segment B	23 / OH
543	NGRID	Churchtown	Pleasant Valley	-32.2	In service	2023	115	115	1	806	978	AC Transmission Project Segment B	23 / OH
543	NGRID	Milan	Pleasant Valley	-16.8	In service	2023	115	115	1	806	978	AC Transmission Project Segment B	23 / OH
543	NGRID	Lafarge	Pleasant Valley	-60.4	In service	2023	115	115	1	584	708	AC Transmission Project Segment B	23 / OH
543	NGRID	North Catskill	Milan	-23.9	In service	2023	115	115	1	937	1141	AC Transmission Project Segment B	23 / OH
543	NGRID	New Scotland	Alps	-30.6	In service	2023	345	765	1	2015	2140	AC Transmission Project Segment B	23 / OH
	New York Transco	Milan	Pleasant Valley	16.9	In-Service	2023	115	115	1	648	848	AC Transmission Project Segment B	
543	NGRID	Lafarge	Churchtown	28.2	In service	2023	115	115	1	582	708	AC Transmission Project Segment B	23 / OH
543	NGRID	North Catskill	Churchtown	8.4	In service	2023	115	115	1	648	848	AC Transmission Project Segment B	23 / OH
543	New York Transco	Knickerbocker (New Station)	Pleasant Valley	54.5	In-Service	2023	345	345	1	3844	4106	AC Transmission Project Segment B	
543	New York Transco	Knickerbocker (New Station)	Knickerbocker (New Station)	series capacitor	In-Service	2023	345	345	1	3862	4103	AC Transmission Project Segment B	
543	NGRID	Knickerbocker (New Station)	New Scotland	12.4	In service	2023	345	345	1	2381	3099	AC Transmission Project Segment B	23 / OH
543	NGRID	Knickerbocker (New Station)	Alps	18.1	In service	2023	345	345	1	2552	3134	AC Transmission Project Segment B	23 / OH
543	New York Transco	Rock Tavern	Sugarloaf	12.0	In-Service	2023	115	115	1	1657	2026	AC Transmission Project Segment B; 1-1590 ACSR	OH
543	New York Transco	Sugarloaf	Sugarloaf	Transformer	In-Service	2023	138/115	138/115	--	1652	1652	AC Transmission Project Segment B	
	New York Transco	Sugarloaf (Transco)	Sugarloaf (O&R)	0.1	In-Service	2023	138	138	1	1657	2026	AC Transmission Project Segment B; 1-1590 ACSR	OH
543	New York Transco	Van Wagner (New Station)	--	Cap Bank	In-Service	2023	345	345	--	N/A	N/A	AC Transmission Project Segment B	
543	NGRID	Athens	Pleasant Valley	-39.4	In service	2023	345	345	1	2228	2718	Loop Line into new Van Wagner Substation/2-795 ACSR	23 / OH
543	NGRID	Leeds	Pleasant Valley	-39.3	In service	2023	345	345	1	2228	2718	Loop Line into new Van Wagner Substation/2-795 ACSR	23 / OH
543	NGRID	Athens	Van Wagner (New Station)	38.7	In service	2023	345	345	1	2228	2718	Loop Line into new Van Wagner Substation/2-795 ACSR	23 / OH
543	NGRID	Leeds	Van Wagner (New Station)	38.6	In service	2023	345	345	1	2228	2718	Loop Line into new Van Wagner Substation/2-795 ACSR	23 / OH
543	New York Transco	Van Wagner (New Station)	Pleasant Valley	0.7	In-Service	2023	345	345	1	3864	4096	Loop Line into new Van Wagner Substation/Reconductor w/2-795 ACSS	OH
543	New York Transco	Van Wagner (New Station)	Pleasant Valley	0.7	In-Service	2023	345	345	1	3864	4096	Loop Line into new Van Wagner Substation/Reconductor w/2-795 ACSS	OH
543	New York Transco	Dover (New Station)	Dover (New Station)	Phase Shifter	S	2025	345	345	--	2510	2510	Loop Line 398 into new substation and install 2 x 750 MVAr PARs	--
543	New York Transco	Cricket Valley	CT State Line	-3.5	S	2025	345	345	1	2220	2700	Loop Line into new Dover Substation/2-795 ACSS	OH
543	New York Transco	Cricket Valley	Dover (New Station)	0.3	S	2025	345	345	1	2220	2700	Loop Line into new Dover Substation/2-795 ACSS	OH
543	New York Transco	Dover (New Station)	CT State Line	3.1	S	2025	345	345	1	2220	2700	Loop Line into new Dover Substation/2-795 ACSS	OH
1125	NYPA	Edic	Marcy	1.4	W	2025	345	345	1	4030	4880	SPCP Terminal Equipment Upgrades to existing line	
1125	NYPA	Moses	Haverstock	2.0	W	2025	230	230	3	1089	1330	SPCP: Existing Moses - Adirondack (MA1), Moses - Adirondack (MA2), and Moses - Willis (MW2) 230 kV Lines to Haverstock Substation. 1 – 795 kcmil ACSR 26/7 "Drake"	
1125	NYPA	Moses	Moses	SUB	W	2025	230	230	N/A	N/A	N/A	SPCP: Terminal Upgrades at Moses 230 kV Substation and Transformer T3 and MW-2 breaker positions interchanged	
1125	NYPA	Haverstock 230 kV	Haverstock 345 kV	xfmr	W	2025	230/345	230/345	3	753	753	SPCP: Haverstock 230/345 kV xfmr-1, xfmr-2 and xfmr-3. Given Amp Ratings are for High Voltage side of xfmr.	
1125	NYPA	Haverstock	Haverstock	SUB	W	2025	345	345	N/A	N/A	N/A	SPCP: Haverstock 345 kV Substation. New Shunt Capacitor Banks.	
1125	NYPA	Haverstock	Adirondack	83.7	W	2025	345	345	2	2177	2663	SPCP: Existing Moses - Adirondack (MA1), Moses - Adirondack (MA2) 230kV lines to Haverstock Substation.Creating new Haverstock to Adirondack (HA1) and Haverstock to Adirondack (HA2) 345kV lines. 2 – 795 kcmil ACSR 26/7 "Drake"	

Table VII: Proposed Transmission Facilities (cont'd)

[Project Queue Position] / Project Notes	Transmission Owner	Terminals		Line Length in Miles (1)	Proposed In-Service Prior to (2) Year	Nominal Voltage in kV		# of ckts	Thermal Ratings (4)		Project Description / Conductor Size	Class Year / Type of Construction
						Operating	Design		Summer	Winter		
1125	NYPA	Adirondack 115 kV	Adirondack 345 kV	xfmr	W	2025	115/345	115/345	1	192	221	SPCP: Adirondack 115/345 kV xfmr. Given Amp Ratings are for High Voltage side of xfmr.
1125	NYPA	Adirondack	Adirondack	SUB	W	2025	345	345	N/A	N/A	N/A	SPCP: Adirondack 345 kV Substation. New Shunt Capacitor Banks. New Shunt Reactor Banks.
1125	NYPA	Haverstock	Willis	35.0	W	2025	345	345	2	3119	3660	SPCP: Existing Moses - Willis (MW1) and Moses - Willis (MW2) 230 kV Lines diverted to to Haverstock Substation. Creating Haverstock - Willis (HW1) and Haverstock - Willis (HW1) 345 kV Lines. 2 – 795 kcmil ACSS 26/7 "Drake"
1125	NYPA	Willis 345 kV	Willis 230 kV	xfmr	W	2025	345/230	345/230	2	2259	2259	SPCP: Willis 345/230 kV xfmr-1 and xfmr-2. Given Amp Ratings are for High Voltage side.
1125	NYPA	Willis	Willis	SUB	W	2025	230	230	N/A	N/A	N/A	SPCP: New Willis 345 kV Substation. New Shunt Capacitor Bank.
1125	NYPA	Willis	Patnode	8.7	W	2025	230	230	2	2078	2440	SPCP: Two Willis - Patnode 230 kV Lines. 1 – 1272 kcmil ACSS 45/7 "Bittern"
1125	NYPA	Willis	Ryan	6.6	W	2025	230	230	2	2078	2440	SPCP: Two Willis - Ryan 230 kV Lines. 1 – 1272 kcmil ACSS 45/7 "Bittern"
1125	NYPA	Ryan	Ryan	SUB	W	2025	230	230	N/A	N/A	N/A	SPCP: Terminal Upgrades at Ryan 230 kV Substation.
1125	NYPA	Patnode	Patnode	SUB	W	2025	230	230	N/A	N/A	N/A	SPCP: Terminal Upgrades at Patnode 230 kV Substation.
1125	NYPA	Willis (Existing)	Willis (New)	0.4	W	2025	230	230	2	2078	2440	SPCP: Two Willis (existing) - Willis (New) 230 kV Lines. 1 – 1272 kcmil ACSS 45/7 "Bittern"
1125	NYPA/NGRID	Adirondack	Austin Road	11.6	W	2025	345	345	1	3119	3660	SPCP: Adirondack - Austin Road Circuit-1 345 kV Line. 2 – 795 kcmil ACSS 26/7 "Drake"
1125	NYPA/NGRID	Adirondack	Marcy	52.6	W	2025	345	345	1	3119	3660	SPCP: Adirondack - Marcy Circuit-1 345 kV Line. 2 – 795 kcmil ACSS 26/7 "Drake"
1125	NGRID	Austin Road	Edic	42.5	W	2025	345	345	1	3119	3660	SPCP: Austin Road -Edic Circuit-1 345 kV Line. 2 – 795 kcmil ACSS 26/7 "Drake"
1125	NGRID	Rector Road	Austin Road	1.0	W	2025	230	230	1	1089	1330	SPCP: Rector Road - Austin Road Circuit-1 230 kV Line. 1 – 795 kcmil ACSR 26/7 "Drake"
1125	NGRID	Austin Road 230 kV	Austin Road 345 kV	Transformer	W	2025	230/345	230/345	1	753	753	SPCP: Austin Road 230/345 kV xfmr. Given Amp Ratings are for High Voltage side of xfmr.
1125	NGRID	Austin Road	Austin Road	Substation	W	2025	345	345	N/A	N/A	N/A	SPCP: Austin Road 345 kV Substation.
1125	NGRID	Edic	Edic	Substation	W	2025	345	345	N/A	N/A	N/A	SPCP: Terminal Upgrades at Edic 345 kV Substation. New Shunt Capacitor Bank.
1125	NYPA	Marcy	Marcy	SUB	W	2025	345	345	N/A	N/A	N/A	SPCP: Terminal Upgrades at Marcy 345 kV Substation.
1125	NGRID	Chases Lake	Chases Lake	Substation	W	2025	230	230	N/A	N/A	N/A	SPCP: Retire 230kV Substation.
1125	NYPA	Moses	Massena	Series Reactor	W	2025	230	230	2	3840	4560	SPCP: Install Series Reactors on Moses -Massena 230 kV Lines
1125	NYPA	Moses	Adirondack	-85.7	W	2025	230	230	2	N/A	N/A	SPCP: Retire Existing Moses - Adirondack MA1 and MA2 230 kV Lines
1125	NYPA	Moses	Willis	-37.0	W	2025	230	230	2	N/A	N/A	SPCP: Retire Existing Moses - Willis MW1 and MW2 230 kV Line
631/887	NYPA	Astoria Annex	Rainey	3.4	W	2026	345	345	1	2326	2326	Q#631 and Q# 887 are part of Class Year 2021. It includes an elective System Upgrade Facility, Astoria Annex - Rainey 345kV XLPE cable. Conductor Type : XLPE Cable	CY 2021 / Under Ground Cable (UG)
1125	NGRID	Adirondack	Porter	-54.4	W	2025	230	230	1	N/A	N/A	SPCP: Retire Existing Adirondack - Porter 230 kV Line
1125	NGRID	Adirondack	Chases Lake	-11.1	W	2025	230	230	1	N/A	N/A	SPCP: Retire Existing Adirondack - Chases Lake 230 kV Line
1125	NGRID	Chases Lake	Porter	-43.5	W	2025	230	230	1	N/A	N/A	SPCP: Retire Existing Chases Lake - Porter 230 kV Line
1125	NYPA	Willis	Patnode	-8.7	W	2025	230	230	1	N/A	N/A	SPCP: Retire Existing Willis - Patnode WPN1 230 kV Line.
1125	NYPA	Willis	Ryan	-6.6	W	2025	230	230	1	N/A	N/A	SPCP: Retire Existing Willis - Ryan WRY2 230 kV Line.
1289	NYPA	East Garden City	East Garden City	-	S	2029	345	345	N/A	N/A	N/A	LI PPTN: Station Upgrade	-
1289 (23)	NYPA	East Garden City	East Garden City	PAR	S	2029	345	345	1	709 MVA	897 MVA	LI PPTN: New PAR for Y54 Line	-
1289 (23)	NYPA	East Garden City	East Garden City	Shunt Reactor	S	2029	345	345	-	N/A	N/A	LI PPTN: Two (2) New Shunt Reactors. 300 MVAR and 120 MVAR	-
1289	NYPA/TRANSCO	East Garden City	New Shore Road	10.3	S	2030	345	345	1	819 MVA	901 MVA	LI PPTN: New 345 kV Circuit (4000kcmil XLPE)	UG
1289	NYPA/TRANSCO	East Garden City	Barrett	8.8	S	2030	345	345	1	819 MVA	901 MVA	LI PPTN: New 345 kV Circuit (4000kcmil XLPE)	UG
1289	NYPA/TRANSCO	East Garden City	Tremont	23.5	S	2030	345	345	1	819 MVA	901 MVA	LI PPTN: New 345 kV Circuit (4000kcmil XLPE)	UG
1289	NYPA/TRANSCO	Barrett	Barrett	-	S	2030	345	345	N/A	N/A	N/A	LI PPTN: New 345 kV Substation	-
1289	NYPA/TRANSCO	Barrett	Barrett	Shunt Reactor	S	2030	345	345	-	N/A	N/A	LI PPTN: New 100 MVAR Shunt Reactor at New Barrett 345 kV	-
1289	NYPA/TRANSCO	Barrett	Barrett	xfmr	S	2030	345/138	345/138	2	462 MVA	540 MVA	LI PPTN: Two (2) New Transformers	-
1289	NYPA/TRANSCO	Barrett	Barrett	PAR	S	2030	138	138	2	462 MVA	540 MVA	LI PPTN: Two (2) New Phase Angle Regulators for Barrett 345/138 kV	-
1289	NYPA/TRANSCO	New Shore Road	New Shore Road	-	S	2030	345	345	N/A	N/A	N/A	LI PPTN: New 345 kV Substation	-
1289	NYPA/TRANSCO	New Shore Road	Shore Road	xfmr	S	2030	345/138	345/138	1	462 MVA	540 MVA	LI PPTN: One (1) New Transformer	-
1289	NYPA/TRANSCO	New Shore Road	Shore Road	PAR	S	2030	138	138	1	462 MVA	540 MVA	LI PPTN: One (1) New Phase Angle Regulator	-
1289	NYPA/TRANSCO	New Shore Road	New Shore Road	Shunt Reactor	S	2030	345	345	-	N/A	N/A	LI PPTN: Three (3) New Shunt Reactors. 150, 150, 106 MVAR	-
1289	NYPA/TRANSCO	New Shore Road	New Shore Road	PAR	S	2030	345	345	2	709 MVA	897 MVA	LI PPTN: Two (2) New Phase Angle Regulators for Y57/Y58	-
1289	NYPA/TRANSCO	New Shore Road	New Ruland Road	17.8	S	2030	345	345	1	819 MVA	901 MVA	LI PPTN: New 345 kV Circuit (4000kcmil XLPE)	UG
1289	NYPA/TRANSCO	New Shore Road	Sprain Brook	18.1	S	2030	345	345	2	819 MVA	901 MVA	LI PPTN: Two (2) New 345 kV Circuits (4000kcmil XLPE/1400mm2 Tri-core)	UG
1289	NYPA/TRANSCO	Shore Road	Syosset	11.3	S	2030	138	138	1	360 MVA	400 MVA	LI PPTN: New 138 kV Circuit (4000kcmil XLPE)	UG
1289	NYPA/TRANSCO	New Rochelle	New Rochelle	-	S	2030	345	345	N/A	N/A	N/A	LI PPTN: New 345 kV Transition Substation	-
1289	NYPA/TRANSCO	New Ruland Road	New Ruland Road	-	S	2030	345	345	N/A	N/A	N/A	LI PPTN: New 345 kV Substation	-
1289	NYPA/TRANSCO	New Ruland Road	New Ruland Road	-	S	2030	138	138	N/A	N/A	N/A	LI PPTN: New 138 kV Substation	-
1289	NYPA/TRANSCO	New Ruland Road	New Ruland Road	xfmr	S	2030	345/138	345/138	3	462 MVA	540 MVA	LI PPTN: Three (3) New Transformers	-
1289	NYPA/TRANSCO	New Ruland Road	New Ruland Road	PAR	S	2030	345	345	1	607 MVA	648 MVA	LI PPTN: One (1) New Phase Angle Regulator for Y55	-
1289	NYPA/TRANSCO	New Ruland Road	New Ruland Road	Shunt Reactor	S	2030	345	345	-	N/A	N/A	LI PPTN: Two (2) New Shunt Reactors. 150 MVAR each.	-
1289	ConEd	Tremont	Tremont	Reconfiguration	S	2030	345	345		N/A	N/A	Ring bus 345kV GIS installation	-
1289	ConEd	Sprain Brook	Sprain Brook	Reconfiguration	S	2030	345	345		N/A	N/A	Additional bay(s) installation	-
1289	ConEd	Sprain Brook	Sprain Brook	Reconfiguration	S	2030	345	345		N/A	N/A	Shunt reactor(s) installation	-
1667	ConEd	Rainey	Rainey	Reconfiguration	S	2030	345	345		N/A	N/A	Installation of breakers	-

Table VII: Proposed Transmission Facilities (cont'd)

[Project Queue Position] / Project Notes	Transmission Owner	Terminals		Line Length in Miles (1)	Proposed In-Service Prior to (2)	Year	Nominal Voltage in kV Operating	Design	# of ckts	Thermal Ratings (4) Summer	Winter	Project Description / Conductor Size	Class Year / Type of Construction
1125	NGRID	Edic	Porter	-0.4	W	2025	230	230	1	N/A	N/A	SPCP: Retire Existing Edic-Porter #17 230kV Line	
1289	LIPA	Valley Stream	Valley Stream	-	S	2030	-	-	-	N/A	N/A	Substation Relay Protection Upgrade	-
1289	LIPA	Barrett	Barrett	-	S	2030	-	-	-	N/A	N/A	Substation Relay Protection Upgrade	-
1289	LIPA	Lake Success	Lake Success	-	S	2030	-	-	-	N/A	N/A	Substation Relay Protection Upgrade	-
1289	LIPA	East Garden City	East Garden City	Series Reactors	S	2030	138kV	138kV	-	N/A	N/A	Series Reactors on circuits 138-462/463	-
1289	LIPA	East Garden City	East Garden City	Series Reactor	S	2030	138kV	138kV	-	N/A	N/A	Series Reactor on circuits 138-262	-
1289	LIPA	East Garden City	East Garden City	-	S	2030	-	-	-	N/A	N/A	Substation Relay Protection Upgrade	-
1289	LIPA	Syosset	Oakwood	2.7	S	2030	138kV	138kV	1	TBD	TBD	Reconfigure the existing circuit to a 2-cable circuit	UG
1289	LIPA	Syosset	Greenlawn	2.7	S	2030	138kV	138kV	1	TBD	TBD	Reconfigure the existing circuit to a 2-cable circuit	UG
1289	LIPA	Newbridge Road	Newbridge Road	-	S	2030	138kV	138kV	-	N/A	N/A	Replace Substation Breaker 1460	-
1289	LIPA	East Garden City	Ruland Road	12.4	S	2030	345kV	345kV	1	TBD	TBD	reconductor/convert 138-467/567 to 345kV operation	UG
1289	LIPA	Newbridge Road	Newbridge Road	0.6	S	2030	345kV	345kV	1	TBD	TBD	New circuit connect between 138-467 and 138-567	UG
1289	LIPA	Northport	Northport	PAR	S	2030	138kV	138kV	-	TBD	TBD	Install a new 138kV Phase Angle Regulating Transformer	-
1289	LIPA	Ruland Road	Ruland Road	Series Reactors	S	2030	138kV	138kV	-	N/A	N/A	Series Reactors on circuits 138-561/562	-
1289	LIPA	Holbrook	Holbrook	-	S	2030	138kV	138kV	-	N/A	N/A	Replace Switch 1322 with a breaker	-
1289	LIPA	Syosset	Syosset	PAR	S	2030	138kV	138kV	-	TBD	TBD	Install a new 138kV Phase Angle Regulating Transformer	-
	Firm Plans (5) (Included in FERC 715 Base Case)												
14	CHGE	Hurley Avenue	Leeds	chronous series con	S	2024	345	345	1	2336	2866	21% Compensation	-
	CHGE	Knapps Corners 115	Knapps Corners 69	xfmr	In-Service		115/69	115/69	1	502	618	Substation Rebuild - New 115/69 kV Transformer	
	CHGE	Kerhonkson	Kerhonkson	xfmr	W	2024	115/69	115/69	1	827	1006	Add Transformer 3	-
	CHGE	Kerhonkson	Kerhonkson	xfmr	W	2024	115/69	115/69	1	827	1006	Add Transformer 4	-
11	CHGE	High Falls	Kerhonkson	10.0	W	2024	115	115	1	1010	1245	1-795 ACSR: Convert to 115 kV Operation	OH
11	CHGE	Galeville	Kerhonkson	9.2	S	2024	115	115	1	1010	1245	1-795 ACSR: Convert to 115 kV Operation	OH
	CHGE	Sugarloaf	NY/NJ State Line	-10.3	W	2024	115	115	2	N/A	N/A	Retire SD/SJ Lines	OH
11	CHGE	St. Pool	High Falls	5.7	W	2024	115	115	1	1010	1245	1-795 ACSR: Convert to 115 kV Operation	OH
11	CHGE	Modena	Galeville	4.6	S	2024	115	115	1	1010	1245	1-795 ACSR: Convert to 115 kV Operation	OH
6	CHGE	Knapps Corners	Spackenkill	2.4	W	2029	115	115	1	1280	1563	1-1033 ACSR	OH
11	CHGE	Hurley Ave	Saugerties	11.5	W	2024	69	115	1	1114	1359	1-795 ACSR	OH
11	CHGE	Saugerties	North Catskill	12.5	S	2026	69	115	1	1114	1359	1-795 ACSR	OH
	CHGE	North Catskill	Churchtown	2.9	S	2027	115	115	1	1010	1245	Rebuild of CHG&E's Portion	OH
	CHGE	Pleasant Valley	East Park	6.8	W	2030	69	115	1	1088	1330	Line rebuild	OH
	CHGE	East Park	Staatsburg	4.5	W	2030	69	115	1	1088	1330	Line rebuild	OH
	CHGE	Staatsburg	Rhinebeck	7.8	W	2030	69	115	1	1088	1330	Line rebuild	OH
	CHGE	North Catskill	Coxsackie	8.6	S	2029	69	115	1	1280	1565	Line rebuild	OH
	CHGE	Myers Corners	Knapps Corners	2.9	S	2024	69	69	1	879	1096	Line rebuild	OH
	CHGE	South Cairo	South Cairo	Substation	W	2024	69	69	N/A	N/A	N/A	Install statcom and cap bank	-
	CHGE	New Baltimore	New Baltimore	Substation	W	2024	69	69	N/A	N/A	N/A	Install statcom and cap bank	-
	CHGE	Clinton Ave	Clinton Ave	Substation	W	2025	69	69	N/A	N/A	N/A	Retire Clinton Ave tap	-
	CHGE	Honk Falls	East Delaware	13.5	S	2028	69	69	1	510	594	Line rebuild	OH
	CHGE	East Delaware	West Delaware	0.6	S	2028	69	69	1	536	644	Line rebuild	OH
	CHGE	West Delaware	Neversink	2.0	S	2028	69	69	1	402	427	Line rebuild	OH
	ConEd	Rainey	Corona	xfmr/PAR/Feeder	In-Service	2023	345/138	345/138		N/A	N/A	New second PAR regulated feeder	UG
	ConEd	Millwood West	Millwood West	xfmr	S	2024	345/138	345/138		N/A	N/A	Replacing xfmr TA1	-
	ConEd	Gowanus	Greenwood	xfmr/PAR/Feeder	S	2025	345/138	345/138		N/A	N/A	New PAR regulated feeder	UG
	ConEd	Goethals	Fox Hills	xfmr/PAR/Feeder	S	2025	345/138	345/138		N/A	N/A	New PAR regulated feeder	UG
	ConEd	Astoria East	Astoria Annex	Feeder	S	2026	138	138		2086	2599	Elective System Upgrade Facility for Q631 NS Power Express (reconducting feeder 34091)	OH
	ConEd	Rainey	Rainey	xfmr	S	2026	345/138	345		N/A	N/A	Replacing xfmr 3W	-
	ConEd	Buchanan North	Buchanan North	Reconfiguration	S	2026	345	345		N/A	N/A	Reconfiguration (separating feeder Y94 and xmrf TA5 by adding breaker 12)	-
	ConEd	Fresh Kills	Fresh Kills	xfmr	S	2026	345/138	345		N/A	N/A	Replacing xfmr TA1	
	ConEd	Mott Haven	Parkview	-	S	2026	345/138/13	345/138/13		N/A	N/A	Spare 345/138 kV xfrm at Mott Haven and a spare 138/13.8 kV xfrm at Parkview	UG
	ConEd	Hudson Ave East	New Vinegar Hill Distribution Switching Station	-	S	2024	138/27	138/27		N/A	N/A	Reconductoring to accommodate additional capacity	UG
	ConEd	Mott Haven	MTA/Amtrak	-	S	2025	138/13	138/13		N/A	N/A	Connection to MTA/Amtrak	
	ConEd	Parkchester	MTA/Amtrak	-	S	2026	138/13	138/13		N/A	N/A	Connection to MTA/Amtrak	
	ConEd	Brooklyn Clean Energy Hub (BCEH)	Brooklyn Clean Energy Hub (BCEH)	-	S	2028	345	345		N/A	N/A	New 345 kV Substation	-

Table VII: Proposed Transmission Facilities (cont'd)

[Project Queue Position] / Project Notes	Transmission Owner	Terminals		Line Length in Miles (1)	Proposed In-Service Prior to (2) Year	Nominal Voltage in kV		# of ckts	Thermal Ratings (4)		Project Description / Conductor Size	Class Year / Type of Construction
						Operating	Design		Summer	Winter		
	ConEd	Brooklyn Clean Energy Hub (BCEH)	Nevins	-	S 2030	138/27	138/27		N/A	N/A	Greenwood Transmission Load Area	-
	LIPA	Pilgrim	Pilgrim	-	In-Service 2023	69	69		N/A	N/A	Station Reconfiguration	
	LIPA	Terryville	Flowerfield	4.7	In-Service 2023	69	69	1	996	1054	2500kcmil	UG
	LIPA	Arverne	Rockaway Beach	2.9	S 2024	34.5	34.5	1	937	937	2500kcmil	UG
	LIPA	East of Buell	East of Buell	—	S 2024	34.5	34.5	-	-	-	Convert 23kV System to 34.5 kV System	-
	NGRID	Dunkirk	Dunkirk	Substation	S 2023	115	115	-	-	-	Rebuild Dunkirk Station/ Asset Separation.	
	NGRID	Lockport	Mortimer	56.5	In-Service 2023	115	115	3	-	-	Replace Cables Lockport-Mortimer #111, 113, 114	
	NGRID	Gardenville	Big Tree	6.3	In-Service 2023	115	115	1	221MVA	221MVA	Gardenville-Arcade #151 Loop-in-and-out of NYSEG Big Tree	OH
	NGRID	Big Tree	Arcade	28.6	In-Service 2023	115	115	1	129MVA	156MVA	Gardenville-Arcade #151 Loop-in-and-out of NYSEG Big Tree	OH
	NGRID	Kensington Terminal	Kensington Terminal	-	In-Service 2023	115/23	115/23	-	50MVA	50MVA	Replace TR4 and TR5	
	NGRID	Taylorville	Boonville	-	In-Service 2022	115	115	1	584	708	Replace Station connections	
	NGRID	Taylorville	Browns Falls	-	In-Service 2022	115	115	1	584	702	Replace Station connections	
	NGRID	Batavia	Batavia		In-Service 2023	115	115				Batavia replace five OCB's.	
	NGRID	Albany Steam	Albany Steam	-	In-Service 2022	115	115				Replace NG's 115kV Breakers.	
	NGRID	Lockport	Lockport	-	In-Service 2023	115	115	-	N/A	N/A	Install R264 at Lockport for line 108 and operate as alternate breaker for line 108 at Lockport	
	NGRID	South Oswego	Indeck (#6)	-	In-Service 2023	115	115	1	-	-	Install High Speed Clearing on Line #6	
	NGRID	Porter	Porter	-	In-Service 2023	230	230		N/A	N/A	Porter 230kV upgrades	
	NGRID	Maplewood	Menands	3.0	In service 2023	115	115	1	220 MVA	239 MVA	Reconductor approx 3 miles of 115kV Maplewood – Menands #19	23 / OH
	NGRID	Maplewood	Reynolds	3.0	In service 2023	115	115	1	217 MVA	255 MVA	Reconductor approx 3 miles of 115kV Maplewood – Reynolds Road #31	23 / OH
	NGRID	Colton	Browns Falls	-	S 2024	115	115	1	629	764	Flat Rock station (mid-line) upgrades	OH
22	NGRID/NYSEG	Mortimer	Station 56		S 2024	115	115	1	649	788	Mortimer-Pannell #24 Loop in-and-out of NYSEG's Station 56	
	NGRID	Clay	Woodard		S 2024	115	115	1	1105	1347	Add 10.5mH reactor on line #17.	OH
	NGRID	Gardenville	Dunkirk	0.2	In-Service 2023	115	115	2	N/A	N/A	Add 115kV taps on 141/142 to new customer station (Erie)	OH
	NGRID	Cortland	Clarks Corners	0.2	S 2026	115	115	1	176MVA	224MVA	Replace 0.2 miles of 1(716) line and series equipment	OH
	NGRID	Homer Hill	Homer Hill	-	W 2028	115	115	-			Homer Hill Replace five OCB	
22	NGRID	Marshville	Marshville	-	S 2028	115/69	115/69		N/A	N/A	Replace transformers at Marshville and upgrade associate equipment	
	NGRID	Packard	Huntley	9.1	S 2027	115	115	1	262MVA	275MVA	Walck-Huntley #133, Packard-Huntley #130 Reconductor	OH
	NGRID	Walck	Huntley	9.1	S 2027	115	115	1	262MVA	275MVA	Walck-Huntley #133, Packard-Huntley #130 Reconductor	OH
22	NGRID	Station 56	Pannell		S 2024	115	115	1	649	788	Mortimer-Pannell #24 Loop in-and-out of NYSEG's Station 56	
	NGRID	Clay	Wetzel	3.7	S 2025	115	115	1	220 MVA	220 MVA	Add a breaker at Clay and build approximately 2000 feet of 115kV to create radial line	
	NGRID	Golah	Golah		W 2028	115	115		N/A	N/A	Golah substation rebuild	
	NGRID	Malone	Malone	-	W 2025	115	115	-	753	753	Install PAR on Malone - Willis line 1-910	
	NGRID	Malone	Malone	-	W 2025	115	115	-	N/A	N/A	Expand 115-13.2kV substation with a second transformer and feeders	
	NGRID	Terminal	Terminal	-	S 2025	115	115	-	N/A	N/A	Rebuild 115/13.2kV Terminal substation	
22	NGRID	Mohican	Mohican	-	W 2025	115	115		N/A	N/A	Replace 115kV and 34.5kV assets, add 13.2kV substation	
	NGRID	Niagara	Gardenville	26.3	S 2028	115	115	1	275MVA	350MVA	Packard-Erie / Niagara-Gardenville Reconfiguration	OH
	NGRID	Packard	Gardenville	28.2	S 2028	115	115	2	168MVA	211 MVA	Packard-Gardenville Reactors, Packard-Erie / Niagara-Gardenville Reconfiguration	OH
	NGRID/NYSEG	Erie St	Gardenville	5.5	S 2028	115	115	1	139MVA	179MVA	Packard-Erie / Niagara-Gardenville Reconfiguration, Gardenville add breakers	OH
	NGRID	Packard	Packard		S 2026	115	115				Packard replace three OCB's	
	NGRID	Oswego	Oswego	-	S 2024	345	345		N/A	N/A	Rebuild of Oswego 345kV Station (asset separation).	
	NGRID	Rotterdam	Rotterdam	-	S 2026	115/69	115/69	-	67	76	Rebuild Rotterdam 69kV substation and add a 2nd 115/69kV Transformer	-
	NGRID	Rotterdam	Schoharie	0.93	S 2026	69	115	1	77	93	Rebuild 0.93mi double circuit Rotterdam-Schoharie / Schenectady International-Rotterdam	OH
	NGRID	Schenectady International	Rotterdam	0.93	S 2026	69	115	1	69	84	Rebuild 0.93mi double circuit Rotterdam-Schoharie / Schenectady International-Rotterdam	OH
	NGRID	Tar Hill	Tar Hill		S 2028	115	115				New station to replace Lighthouse Hill.	
	NGRID	Browns Falls	Browns Falls	-	S 2026	115	115	-	N/A	N/A	Build new SubT facilities to separate assets from the hydroplant	
	NGRID	Huntley	Lockport	1.2	S 2027	115	115	2	747	934	Rebuild 1.2 miles of (2) single circuit taps on Huntley-Lockport 36/37 at Ayer Rd	
	NGRID	Oneida	Oneida	-	S 2027	115	115				115kV Oneida Station Rebuild & add Cap bank.	
22	NGRID	Amsterdam	Rotterdam	1	S 2027	69	69	2	584	708	Rebuild approximately 1 mile of 69kV. The Amsterdam - Rotterdam project changes the impedances of two 69kV line sections, no ratings impacts.	
	NGRID	Brockport	Brockport	3.5	S 2027	115	115	2	648	650	Refurbish 111/113 3.5 mile single circuit taps to Brockport Station.	
	NGRID	Colton	Dennison	-	S 2030	115	115	1	916	1118	Replace Station connections. Line #4	
	NGRID	Colton	Dennison	-	S 2030	115	115	1	916	1118	Replace Station connections. Line #5	
	NGRID	Elm St	Elm St	-	S 2026	230/23	230/23	-	118MVA	133MVA	Replace TR2 as failure	
	NGRID	Lockport	Lockport		S 2030				N/A	N/A	Rebuild of Lockport Substation and control house	
	NGRID	Mortimer	Golah	9.7	W 2027	115	115	1	657	797	Refurbish 9.7 miles Single Circuit Wood H-Frames on Mortimer-Golah 110.	
	NGRID	Mortimer	Mortimer	-	W 2027	115	115		N/A	N/A	Second 115kV Bus Tie Breaker at Mortimer Station	
	NGRID	Boonville	Boonville	-	S 2030	115	115	-	N/A	N/A	New 115kV station adjacent to existing Boonville sub	

Table VII: Proposed Transmission Facilities (cont'd)

[Project Queue Position] / Project Notes	Transmission Owner	Terminals		Line Length in Miles (1)	Proposed In-Service Prior to (2) Year	Nominal Voltage in kV		# of ckts	Thermal Ratings (4)		Project Description / Conductor Size	Class Year / Type of Construction
						Operating	Design		Summer	Winter		
	NGRID	Mortimer	Pannell	15.7	S 2029	115	115	2	221MVA	270MVA	Reconductor existing Mortimer – Pannell 24 and 25 lines with 795 ACSR	
22	NGRID	SE Batavia	Golah	27.8	S 2028	115	115	1	648	846	Refurbish 27.8 miles Single Circuit Wood H-Frames on SE Batavia-Golah 119	
	NGRID	Stoner	Stoner	-	S 2030	115	115	-	N/A	N/A	Upgrade limiting equipment at Stoner	
	NGRID	Clinton	Clinton	-	W 2024	115	115	-	N/A	N/A	Upgrade limiting equipment at Clinton (CLCPA)	
	NGRID	Rotterdam	Rotterdam	-	S 2030	115	115	-	N/A	N/A	Upgrade terminal equipment on Lines 10 & 12 at Rotterdam	
22	NGRID	Meco	Meco	-	W 2029	115/69	115/69		N/A	N/A	Rebuild Meco substation and add a 2nd 115/69kV transformer	
	NGRID	Royal	Royal	Substation	In-Service 2021	115/13.2	115/13.2	-	N/A	N/A	Remove existing station, replace with a new 115/13.2kV substation.	
	NGRID	Packard	Praxair	-	S 2026	115	115	2	N/A	N/A	Remove existing station, replace with a new 115/13.2kV substation.	
	NGRID	Lockport	Lockport	Substation	S 2030	115	115	-	N/A	N/A	Station Rebuild	
	NGRID	Gardenville	Ohio	-	W 2031	115/23	115/23	2	N/A	N/A	New Terminal Station	
	NGRID	Mortimer	Golah	9.6	W 2027	69	115	1	402	492	Rebuild 69kV 109 line to 115kV	
	NGRID	Dunkirk	Laona	-	In-Service 2023	115	115	2	N/A	N/A	Add taps for new customer on lines 161/162 (Chatauqua)	
	NGRID	Machias	Machias	Substation	S 2024	115/34.5	115/34.5	-	N/A	N/A	Customer added breaker (34.5kV)	
	NGRID	Dunkirk	Falconer	-	W 2026	115	115	1	N/A	N/A	Replace towers and conductor clearance	
	NGRID	Dunkirk	Falconer	Substation	W 2027	115	115	2	N/A	N/A	Add breakers to Berry Rd and Baker St, resiliency.	
	NGRID	Huntley	Gardenville	23.4	S 2030	115	115	2	731	887	Refurbish 23.4 miles double circuit on Huntley-Gardenville 38/39.	
	NGRID	Indian River	North Watertown	8.6	S 2027	115	115	1	2228	2718	New 8.6 mile 115kV circuit with 795ACSR to create a loop connecting two existing radial circuits	OH
6	NGRID	Gardenville	Dunkirk	20.5	W 2026	115	115	2	1105	1346	Replace 20.5 miles of 141 and 142 lines from Gardenville to North Angola	OH
	NGRID	South Oswego	South Oswego	Substation	W 2027	115	115	-	N/A	N/A	Replace breakers, disconnects, conductor drops, and RTU	
	NGRID	Manheim (Inghams)	Manheim (Inghams)	Substation	W 2029	115	115	N/A	250	250	Relocation of the Inghams substation to Manheim (PAR replacement)	
	NGRID	Saltsman Road Station	Saltsman Road Station	Substation	S 2028	115	115	N/A	402	426	Build a new 115kV Five breaker ring bus transmission station	
	NGRID	Dennison	Dennison	Substation	W 2029	115	115	-	N/A	N/A	Replace conductor between take off and disconnects	
	NGRID	Black River	Black River	Substation	W 2029	115	115	-	N/A	N/A	Upgrade limiting equipment at Black River	
	NGRID	Alcoa	Alcoa	Substation	W 2029	115	115	-	N/A	N/A	Upgrade limiting equipment at Alcoa	
	NGRID	Taylorville	Taylorville	Substation	S 2030	115	115	-	N/A	N/A	Rebuild as Breaker 1/2	
	NGRID	Coffeen	Lighthouse Hill / Black River	9.5	S 2030	115	115	1	2228	2718	Rebuild the 7.5 mi single circuit and 2.0mi double circuit sections of Coffeen - Black River - Lighthouse Hill	OH
	NGRID	Coffeen	Lyme Junction	7.4	S 2030	115	115	1	2228	2718	Rebuild the 7.4mi single circuit section of the 115kV Thousand Islands-Coffeen #4 line from Coffeen station to Lyme junction	OH
	NGRID	Coffeen	Black River	7.5	S 2030	115	115	1	2228	2718	Rebuild the 7.5mi single circuit 115kV Coffeen-Black River LN3	OH
	NGRID	Middle Road	Middle Road	Substation	S 2030	115	115	-	N/A	N/A	Convert Middle Road station to a six-breaker ring station	
	NGRID	Tilden	Tilden	Substation	W 2024	115	115	-	N/A	N/A	Replace Tilden breaker R180	
	NGRID	Teal	Oneida	Substation	S 2025	115	115	-	N/A	N/A	Reconfigure supplies to Bridgeport and Petersboro to connect to two 115kV lines and add auto-transfer schemes	
	NGRID	Volney	Volney	Substation	S 2026	345	345	-	N/A	N/A	Replace twelve 345kV Switches	
	NGRID	Mallory Road	Mallory Road	Substation	W 2026	115	115	-	N/A	N/A	Add breakers at new Mallory Road station	
	NGRID	Clay	Clay	Substation	S 2027	115	115	-	N/A	N/A	Replace breakers, switches, station connections, buswork	
	NGRID	Maiden Lane	Maiden Lane	Substation	S 2030	115	115	-	N/A	N/A	Construct a greenfield 115kV breaker 1/2 station connecting six 115kV lines. Two lines to South Oswego, two lines to Lighthouse Hill, one line to Nine Mile, one line to Fitzpatrick	
	NGRID	East Avenue	East Avenue	Substation	S 2030	115	115	-	N/A	N/A	Construct a greenfield 115kV 4 breaker ring station along S Oswego - NMP 1 right of way where S Oswego - Indeck 6 and Indeck - LHH 2 head north to indeck. Comprised of 4 115kV lines, 1 to S Oswego, 1 to LHH, 2 to Indeck.	
	NGRID	Fenner	Fenner	-	S 2024	115	115	-	N/A	N/A	Upgrade Terminal Equipment on Lines 3&8 (CLCPA)	
	NGRID	Delphi	Delphi	-	S 2030	115	115	-	N/A	N/A	Upgrade Delphi terminal equipment (CLCPA)	
	NGRID	Cortland	Cortland	-	S 2030	115	115	-	N/A	N/A	Upgrade Terminal Equipment (CLCPA)	
	NGRID	Rotterdam	Rotterdam	-	In-Service 2024	230	230	-	-	-	Retain 230kV capacitor #4 that was going to be retired	
566/6	NYPA	Moses	Adirondack	78.0	In-Service 2023	230	345	2	1088	1329	Replace 78 miles of both Moses-Adirondack 1&2	
	NYPA	St. Lawrence 230kV	St. Lawrence 115kV	xfmr	S 2024	230/115	230/115	1	TBD	TBD	Replacement of St. Lawrence AutoTransformer #2	
	NYPA	Plattsburgh 230 kV	Plattsburgh 115 kV	xfmr	W 2023	230/115	230/115	1	249	288	Replace in kind of Plattsburgh Auto Transformer #1	
	NYPA	Fraser	Fraser	SVC Control	S 2024	345	345	1	NA	NA	Fraser SVC Control Upgrade	
6, 22	NYPA	Y49 345kV	Y49 345kV	Y49 Reconductoring	In-Service 2023	345	345	1	TBD	TBD	Improvements to Y-49 345 kV circuit	
580	NYPA/NGRID	STAMP	STAMP	Substation	S 2025	345/115	345/115		300 MVA	300 MVA	Load Interconnection.	
	NYPA	Moses	Moses	t Breakers Replacer	W 2025	115/230	115/230		N/A	N/A	St. Lawrence Breaker Replacement 115 and 230 kV	
	NYPA	Massena	Massena	t Breakers Replacer	W 2025	765	765		N/A	N/A	Massena Breaker Replacement 765 kV	
	NYPA	Plattsburgh	Plattsburgh	t Breakers Replacer	W 2028	115	115		N/A	N/A	Plattsburgh Breaker Replacement 115 kV	
	NYPA	Willis	Willis	t Breakers Replacer	W 2028	115/230	115/230		N/A	N/A	Willis Breaker Replacement 115 and 230 kV	
	NYPA	Marcy	Marcy	t Breakers Replacer	W 2025	345/765	345/765		N/A	N/A	Marcy Breaker Replacement 345 and 765 kV	
	NYPA	Niagara 345 kV	Niagara 230 kV	xfmr	S 2024	345/230	345/230	1	TBD	TBD	Replacement of Niagara AutoTransformer #3	
	NYPA	Moses-St.Lawrence	Reynolds	Back to Service	S 2025	115	115	1	767	1121	MR3 line back to service to supply loads	
	NYPA	St. Lawrence 230 kV	St. Lawrence 115 kV	xfmr	W 2024	230/115	230/115	1	TBD	TBD	Replacement of St. Lawrence AutoTransformer #1	
	NYSEG	Big Tree Road	Big Tree Road	Rebuild	In-Service 2023	115	115				Station Rebuild	
596	NYSEG	Hillside	E. Towanda (PJM)	Phase Shifter	S 2025	230	230	1	498 MVA	498 MVA	Phase Shifting Transformer between Hillside	CY19

Table VII: Proposed Transmission Facilities (cont'd)

[Project Queue Position] / Project Notes	Transmission Owner	Terminals		Line Length in Miles (1)	Proposed In-Service Prior to (2)	Year	Nominal Voltage in kV Operating	Design	# of ckts	Thermal Ratings (4) Summer	Winter	Project Description / Conductor Size	Class Year / Type of Construction
	NYSEG	Wood Street	Wood Street	xfmr	W	2024	345/115	345/115	1	327 MVA	378 MVA	Transformer #3	-
	NYSEG/ConEd	Pleasant Valley	Wood St	28.0	W	2024	345	345	2	3030	3480	Tapping 345 kV Line between Pleasant Valley and Millwood West at Wood Street	
	NYSEG/ConEd	Wood St	Millwood West	12.4	W	2024	345	345	2	3030	3480	Tapping 345 kV Line between Pleasant Valley and Millwood West at Wood Street	
	NYSEG/ConEd	Millwood West	Pleasant Valley	-40.4	W	2024	345	345	2	3030	3480	Tapping 345 kV Line between Pleasant Valley and Millwood West at Wood Street	
	NYSEG	Fraser	Fraser	xfmr	W	2027	345/115	345/115	1	305 MVA	364 MVA	Transformer #2 and Station Reconfiguration	-
	NYSEG	Fraser 115	Fraser 115	Rebuild	W	2027	115	115		N/A	N/A	Station Rebuild to 4 bay BAAH	-
	NYSEG	Delhi	Delhi	Removal	W	2027	115	115		N/A	N/A	Remove 115 substation and terminate existing lines to Fraser 115 (short distance)	
	NYSEG	New Gardenville	New Gardenville	xfmr	W	2030	230/115	230/115	1	316 MVA	370 MVA	NYSEG Transformer #6 and Station Reconfiguration	-
	NYSEG	New Gardenville	New Gardenville	xfmr	W	2030	115/34.5	115/34.5	1	50	60	NYSEG Transformer #7 and Station Reconfiguration	
	NYSEG	New Gardenville	New Gardenville	xfmr	W	2030	115/34.5	115/34.5	2	50	60	NYSEG Transformer #8 and Station Reconfiguration	
	NYSEG	North Waverly	East Sayre	3.0	W	2025	115	115	1	218	261	Reconductor existing line with ACSR 795 26/7 "Drake"	
	NYSEG	Meyer	Meyer	Substation	W	2028	115	115	1	N/A	N/A	Rebuild Meyer 115 kV bus as 3-bay BAAH	-
	NYSEG	Meyer	Meyer	xfmr	W	2028	230/115	230/115	1	448	464	Transformer #4	-
	NYSEG	Meyer	Meyer	xfmr	W	2028	115/34.5	115/34.5	1	50 MVA	60 MVA	Transformer #1	-
	NYSEG	Meyer	Meyer	xfmr	W	2028	115/34.5	115/34.5	1	50 MVA	60 MVA	Transformer #2	-
	NYSEG	South Perry	South Perry	Substation	W	2028	115	115	1	N/A	N/A	Rebuild South Perry 115 kV bus as 3-bay BAAH	-
	NYSEG	South Perry	South Perry	xfmr	W	2028	115/34.5	115/34.5	2	50 MVA	60 MVA	Transformer #1	-
	NYSEG	South Perry	South Perry	xfmr	W	2028	115/69	115/69	1	50 MVA	60 MVA	Transformer #3	-
	NYSEG	South Perry	South Perry	xfmr	W	2028	230/115	230/115	1	448	464	Transformer #4	-
	NYSEG	Oakdale 345	Oakdale 345	Rebuild	W	2028	345	345		N/A	N/A	Expand existing 345 kV bus to 3 bay BAAH.	CLCPA
	NYSEG	Oakdale 115	Oakdale 115	Rebuild	W	2028	115	115		N/A	N/A	Complete rebuild of 115 kV to 6 bay BAAH	CLCPA
	NYSEG	Westover 115	Westover	Removal	W	2028	115	115		N/A	N/A	Retire 115 kV Westover Substation. Rebuild Westover 34.5 kV out of flood zone.	CLCPA
	NYSEG	Oakdale 345	Oakdale 115	xfmr	W	2028	45/115/34.	45/115/34.	1	448 MVA	464 MVA	Add one new 345/115/34.5 kV Transformer	CLCPA
	NYSEG	Oakdale 345	Oakdale 115	xfmr	W	2028	45/115/34.	45/115/34.	2	448 MVA	464 MVA	Replace Existing B2 & B3 Transformers	CLCPA
	NYSEG	Jennison	Jennison	Rebuild	W	2027	115	115	1	N/A	N/A	Complete rebuild of 115 kV to 4 bay BAAH. Bring Line 919 in and out of Jennison.	CLCPA
	NYSEG	Jennison	Jennison	xfmr	W	2027	115/34.5	115/34.5	2	50 MVA	60 MVA	Install two new transformers with LTCs.	CLCPA
	NYSEG	Jennison	East Norwich	20.0	W	2030	115	115	1	288 MVA	346 MVA	Reconductor L946 (Jennison to East Norwich) with 1192.5 ACSR	CLCPA
	NYSEG	Fraser	Sydney Tap	20.0	W	2029	115	115	1	288 MVA	346 MVA	Reconductor L949-1 (Fraser to Sydney Tap) with 1192.5 ACSR	CLCPA
	NYSEG	Sydney Tap	Jennison	6.5	W	2030	115	115	1	288 MVA	346 MVA	Reconductor L949-2(Jennison to Sydney Tap) with 1192.5 ACSR	CLCPA
	NYSEG	Lounsberry	Lounsberry	Rebuild	W	2028	115	115	1	N/A	N/A	New 115 kV four position Ring bus. Install new 22.4 MVA 115/12.5 kV transformer with LTC. Install new 12.5 kV MV GIS and Control.	CLCPA
	NYSEG	Hillside	South Owego	45.6	W	2029	115	115	1	288 MVA	346 MVA	Rebuild Line 962 as a 115 kV line with 1192 ACSR conductor. Modify terminal bay at Hillside. Designation changed from 962 to 750	CLCPA
	NYSEG	Montour Falls	Coddington	21.5	W	2028	115	115	1	288 MVA	346 MVA	Rebuild the existing 21 mile 115 kV line #982 with 1192 Bunting ACSR conductor on the existing centerline with light duty steel monopole structures	CLCPA
	NYSEG	South Owego	Oakdale	18.0	W	2028	115	115	1	288 MVA	346 MVA	Rebuild the existing 18 mile 115 kV line #961 with 1192 ACSR conductor. Modify terminal bay at South Owego	CLCPA
	NYSEG	Clarks Corners	Clarks Corners	Upgrades	W	2027	115	115		N/A	N/A	Clarks Corners Upgrade. 2 Bay 115 kV Expansion to the north. Two new power transformer positions.	CLCPA
	NYSEG	Etna	Clarks Corners	14.9	W	2027	115	115	1	288 MVA	346 MVA	Clarks Corners Upgrade. Route existing 115 kV Line 945 in-out of the new bay positions.	CLCPA
	NYSEG	Clarks Corners	Willet	10.4	W	2027	115	115	1	288 MVA	346 MVA	Clarks Corners Upgrade. Route existing 115 kV Line 945 in-out of the new bay positions.	CLCPA
	NYSEG	Greenidge	Greenidge	Capacitor	W	2026	115	115		N/A	N/A	One (1) new 115 kV circuit breaker for Line 968, Line 968 terminal work, and a new 30 MVAR capacitor bank (with 115 kV circuit breaker).	CLCPA
	NYSEG	Bath	Bath	Rebuild	W	2028	115	115		N/A	N/A	Full rebuild of substation as 115 kV three bay breaker and a half (BAAH) air insulated substation (AIS)	CLCPA
	NYSEG	Bath	Bath	xfmr	W	2028	115/34.5	115/34.5	2	50 MVA	60 MVA	Two (2) new 115/34.5 kV 50 MVA transformers	CLCPA
	NYSEG	Bath	Bath	SVC	W	2028	115	115		N/A	N/A	+150/-150 MVAR dynamic VAR compensation unit (STATCOM or SVC)	CLCPA
	NYSEG	Bath	Spencer Hill	15.0	W	2030	115	115	1	432 MVA	545 MVA	Rebuild the existing 15-mile 115 kV line #723 with bundled 795 Drake ACSR conductor.	CLCPA
	NYSEG	Bath	Montour Falls	22.0	W	2030	115	115	1	456 MVA	548 MVA	Rebuild the existing 22-mile 115 kV line #965 with bundled 795 Drake ACSR conductor. Line is being bisected by Q617 into Line #965 and Line #753.	CLCPA
	NYSEG	Montour Falls	Watercure	23.9	W	2030	115	115	1	288 MVA	346 MVA	Rebuild the existing double circuit line #978 with 1192 ACSR .	CLCPA
	NYSEG	Watercure	Watercure	Rebuild	W	2028	345/115	345/115		N/A	N/A	Expand the 345 kV two bay BAAH with one (1) empty bay position, adding a three bay 115 kV BAAH. Reroute 115 kV lines to new 115 kV BAAH.	CLCPA
	NYSEG	Watercure	Watercure	xfmr	W	2028	345/115	345/115	1	448	464	Add one (1) new 345/115 kV two winding 448 MVA transformer.	CLCPA
	NYSEG	Hillside	Hillside	Remove	W	2028	115	115		N/A	N/A	Reroute the Hillside 115 kV lines to new 115 kV station at Watercure.	CLCPA
	NYSEG	Hillside	Hillside	Upgrades	W	2026	30/115/34.	30/115/34.5		N/A	N/A	Replace two 230 kV breakers, separating the 34.5 kV breaker positions of Bank 3 and 4.	CLCPA
	NYSEG	Montour Falls	Montour Falls	Rebuild	W	2028	115/34.5	115/34.5		N/A	N/A	Full rebuild as a four bay BAAH AIS Additional sub transmission and distribution upgrades.	CLCPA
	NYSEG	Montour Falls	Montour Falls	xfmr	W	2028	115/34.5	115/34.5	2	50 MVA	60 MVA	Two (2) new 115/34.5 kV 50 MVA transformers.	CLCPA
	NYSEG	Montour Falls	Montour Falls	Capacitor	W	2028	115	115	2	30 MVA	30 MVA	Two (2) new 115 kV 30 MVAR capacitor banks	CLCPA
	NYSEG	Hickling	Caton	9.0	W	2027	115	115	1	419 MVA	505 MVA	Rebuild the existing 9 mile 115 kV line #935 with 2156 Bluebird ACSR conductor.	CLCPA
	NYSEG	Canandaigua	Stoney Ridge	24.0	W	2030	230	230	1	795 MVA	853 MVA	Rebuild the existing 24 mile 230 kV line #68 with mile 230 kV line with bundled 1192 Bunting ACSR ACSR conductor.	CLCPA
	NYSEG	Hillside	Watercure	1.0	W	2030	230	230	1	819 MVA	972 MVA	Rebuild the existing 1 mile 230 kV line #69 with 2156 Bluebird ACSR conductor.	CLCPA
	NYSEG	Stoney Ridge	Hillside	27.0	W	2030	230	230	1	795 MVA	886 MVA	Rebuild the existing 27 mile 230 kV line #72 with 2156 Bluebird ACSR conductor.	CLCPA
	NYSEG	West Erie	Sullivan Park	3.0	W	2027	115	115	1	278 MVA	306 MVA	Rebuild the existing 3 mile 115 kV line #711 with 2156 Bluebird ACSR conductor.	CLCPA
	NYSEG	Sullivan Park	Stoney Ridge	6.0	W	2027	115	115	1	278 MVA	306 MVA	Rebuild the existing 6 mile 115 kV line #712 with 2156 Bluebird ACSR conductor.	CLCPA

Table VII: Proposed Transmission Facilities (cont'd)

[Project Queue Position] / Project Notes	Transmission Owner	Terminals		Line Length in Miles (1)	Proposed In-Service Prior to (2) Year	Nominal Voltage in kV		# of ckts	Thermal Ratings (4)		Project Description / Conductor Size	Class Year / Type of Construction
						Operating	Design		Summer	Winter		
	NYSEG	Hickling	Hickling	Rebuild	W	2028	115	115		N/A N/A	Full rebuild of the substation as a 115 kV four bay BAAH AIS design, Additional sub transmission and distribution upgrades.	CLCPA
	NYSEG	Hickling	Hickling	xfmr	W	2028	115/34.5	115/34.5	2	50 MVA	60 MVA	Two (2) new 115/34.5 kV 50 MVA transformers.	CLCPA
	NYSEG	Bennett	Bennett	Rebuild	W	2028	115	115		N/A	N/A	Partial rebuild with 115kV bus expansion, and terminal work on L725.	CLCPA
	NYSEG	Eelpot	Eelpot	Expansion	W	2027	115	115		N/A	N/A	Addition of a new 115 kV circuit breaker,and 115 kV line terminal work.	CLCPA
	NYSEG	Eelpot	Eelpot	SVC	W	2027	115	115		N/A	N/A	A +100/100 MVAR new dynamic VAR compensation unit (STATCOM or SVC).	CLCPA
	NYSEG	Bennett	Andover	Upgrades	W	2030	115	115		N/A	N/A	Install a Power Flow Control Device at Bennett Substation and perform in-kind structure replacements where required to address all asset condition issues.	CLCPA
	NYSEG	Bennett	Spencer Hill	5.0	W	2027	115	115	1	419 MVA	505 MVA	Rebuild the existing 5-mile 115 kV line #953 with 2156 Bluebird ACSR conductor.	CLCPA
	NYSEG	Eelpot	Flat Street	23.0	W	2030	115	115	1	345 MVA	415 MVA	Rebuild the existing 23-mile 115 kV line #722 with 2156 Bluebird ACSR conductor.	CLCPA
	NYSEG	Meyer	Eelpot	15.0	W	2030	115	115	1	345 MVA	415 MVA	Rebuild the existing 15-mile 115 kV line #724 with 2156 Bluebird ACSR conductor.	CLCPA
	NYSEG	Flat Street	Greenidge	5.0	W	2027	115	115	1	345 MVA	415 MVA	Rebuild the existing 5-mile 115 kV line #968 with 2156 Bluebird ACSR conductor.	CLCPA
	NYSEG	Montour Falls	Watercure	17.2	W	2030	115	115	1	345 MVA	415 MVA	Rebuild the existing double circuit 115 kV line #963 with 1590 Falcon ACSR.	CLCPA
	NYSEG	Stolle Rd	High Sheldon	11.0	W	2030	230	230	1	795 MVA	853 MVA	Rebuild the existing 11-mile 230 kV line #67 with bundled 1192 Bunting ACSR conductor on an offset with steel monopole structures..	CLCPA
	NYSEG	South Perry	Meyer	19.0	W	2030	115	115	1	228 MVA	274 MVA	Rebuild the existing 19-mile 115 kV line #934 with 795 Drake ACSR conductor on an offset with light duty steel monopole structures.	CLCPA
	NYSEG	Stoney Ridge	Stoney Ridge	xfmr	W	2026	230	115	1	448 MVA	464 MVA	Upgrade the 230/115 kV 1T transformer at Stoney Ridge to 448 MVA	CLCPA
7	O & R/ConEd	Ladentown	Buchanan	9.5	S	2024	345	345	1	3000	3211	2-2493 ACAR	
7	O & R/ConEd	Ladentown	Lovett 345 kV Station (New Station)	5.5	S	2024	345	345	1	3000	3211	2-2493 ACAR	
7	O & R/ConEd	Lovett 345 kV Station (New Station	Buchanan	4.0	S	2024	345	345	1	3000	3211	2-2493 ACAR	
	O & R	Lovett 345 kV Station (New Station	Lovett	xfmr	S	2024	345/138	345/138	1	562 MVA	562 MVA	Transformer	
	RGE	Station 127	Station 127	xfmr	In Service	2023	115/34.5	115/34.5	1	75MVA	75MVA	Transformer #2	-
	RGE	Station 168	Station 168		W	2024	115	115	1	N/A	N/A	Add breakers to Station 168 115 kV bus, sectionalizing existing lines Trunks 4, 2, and 7.	OH
	RGE	Station 418	Station 48	7.6	S	2027	115	115	1	175 MVA	225 MVA	New 115kV Line	OH
	RGE	Station 33	Station 251 (Upgrade Line #942)		S	2030	115	115	1	400MVA	400MVA	Line Upgrade	
22	RGE	Station 33	Station 251 (Upgrade Line #943)		S	2030	115	115	1	400MVA	400MVA	Line Upgrade	
	RGE	Station 418	Station 7	22.8	S	2030	115	115	1	267 MVA	326 MVA	Monroe County Reliability Project Line Rebuild and Reconductor	
	RGE	Station 82	Station 251 (Upgrade Line #902)		S	2028	115	115	1	400MVA	400MVA	Line Upgrade	
	RGE	Mortimer	Station 251 (Upgrade Line #901)	1	S	2028	115	115	1	400MVA	400MVA	Line Upgrade	
	RGE	Station 127	Station 127		W	2024	115	115	1	N/A	N/A	New 115 kV terminals for Trunk 2	-
	RGE	Station 127	Station 127		W	2024	115	115	2	N/A	N/A	2 New 115 kV capacitor banks	-
	RGE	Station 82	Station 128	30.0	W	2030	115	115	1	345 MVA	415 MVA	Rebuild the existing 30-mile 115 kV line #906 with 1590 Falcon ACSR conductor on an offset with light duty steel monopole structures..	CLCPA
Non-Firm Plans (not included in Base Cases)													
	Coned	Queens	Queens	-	S	2028	138	138	-	N/A	N/A	Queens Clean Energy Hub	-
	ConEd	Eastern Queens Clean Energy Hub	Eastern Queens Clean Energy Hub	-	S	2028	138	138		N/A	N/A	New 138 kV Substation	-
	LIPA	Canal	Deerfield	8.65	S	2028	69	69	1	112MVA	112MVA	336SSAC	OH
	LIPA	Southampton	Deerfield	4	S	2028	69	138	1	1171	1171	2000 SQMM XLPE	
	LIPA	Belmont	Belmont	-	S	2025	69	69	-	N/A	N/A	Upgrade substation to 69kV Operation	
	LIPA	Lake Success	Belmont	4.25	S	2025	69	69	1	996	996	New 69kV line associated with Belmont 69kV Conversion - 2500KCM XLPE	UG
	LIPA	Belmont	Whiteside	1.75	S	2025	69	69	1	996	996	New 69kV line associated with Belmont 69kV Conversion - 2500KCM XLPE	UG
	LIPA	Ocean Beach	Fire Island Pines	5.9	S	2026	23	23	1	602	602	Install New 23kV Circuit - 1500KCM cable	
	LIPA	Moriches	Moriches	Series Reactor	S	2028	69	69	-	N/A	N/A	Install 2 OHM Series reactor on Moriches - South Manor 69kV Circuit	
	LIPA	Moriches	South Manor	2.27	S	2030	69	69	1	1364	1364	Rebuild existing 69kV like with 1272ACSS Conductor	OH
	LIPA	Bridgehampton	Buell	7.5	S	2025	69	69	1	1255	1255	Install New 69kV Circuit - 2500KCM XLE	UG
	NGRID	Pannell	Geneva		S	2029	115	115	2			Critical Road crossings replace on Pannell-Geneva 4/4A	
	NGRID	Lockport	Batavia	20	S	2027	115	115	1	646	784	Rebuild 20 miles of Lockport-Batavia 112	
	NGRID	Gardenville	Dunkirk	20	W	2031	115	115	2	1105	1346	Rebuild from North Angola to Dunkirk.	
	NGRID	Seneca	Seneca	xfmr	In-Service	2023	115/22	115/22		40MVA	40MVA	Seneca #5 xfmr asset replacement	
	NGRID	Andover	Andover	-	S	2025	115	115	-	N/A	N/A	115kV Terminal Equipment at Andover (CLCPA)	
	NGRID	Nile Hill	Nile Hill	-	S	2024	115	115	-	N/A	N/A	Upgrade terminal equipment at Nile Hill Switch Structure (CLCPA)	
	NGRID	North LeRoy	North LeRoy	-	S	2024	115	115	-	N/A	N/A	115kV, North LeRoy Terminal Upgrade (CLCPA)	
1672	NGRID	Ames Road Station (Marshville)	Ames Road Station (Marshville)	Substation	S	2030	345/115	345/115	N/A	N/A	N/A	Construct a new 345kV/115kV station in a breaker and a half configuration	
	NGRID	Boonville	Porter	27	S	2030	115	115	2	2228	2718	Rebuild the 27mi double circuit Boonville - Porter #1 and #2 as two single circuit lines	OH
	NGRID	Colton	Malone	18.3	S	2030	115	115	1	2228	2718	Rebuild 18.3 mile sincle circuit setion between Colton and Nichoville	OH
	NGRID	Black River	Taylorville	26.1	S	2030	115	115	2	2228	2718	Rebuild double-circuit as 2x single-circuit	OH
	NGRID	Taylorville	Boonille	33.9	S	2030	115	115	2	2228	2718	Rebuild the 33.9mi double circuit Taylorville - Boonville #5 and Taylorville - Boonville #6 as two single circuit lines	OH
	NGRID	Lighthouse Hill	Clay	27	S	2030	115	115	2	2228	2718	Rebuild 27 miles of bussed single circuit as two single circuits	OH

Table VII: Proposed Transmission Facilities (cont'd)

[Project Queue Position] / Project Notes	Transmission Owner	Terminals		Line Length in Miles (1)	Proposed In-Service Prior to (2) Year		Nominal Voltage in kV Operating	Design	# of ckts	Thermal Ratings (4) Summer	Winter	Project Description / Conductor Size	Class Year / Type of Construction
	NGRID	Black River	Lighthouse Hill	45.15	S	2029	115	115	1	648	846	Rebuild as single circuit line	OH
	NGRID	Black River	Middle Road	4.89	S	2029	115	115	1	648	846	Rebuild as single circuit line	OH
	NGRID	Middle Road	Lighthouse Hill	30.66	S	2029	115	115	1	648	846	Rebuild as single circuit line	OH
	NGRID	South Oswego	Lighthouse Hill	27	S	2030	115	115	2	648	846	Rebuild 27 miles of double circuit and 2 miles of single circuit 115kV	OH
	NGRID	Eastover Road	Eastover Road	-	S	2032	230	230	-	70 MVAR	70 MVAR	Install an additional 70MVAR capacitor bank at Eastover 230kV	
	NGRID	Luther Forest	Luther Forest	-	S	2032	115	115	-	55 MVAR	55 MVAR	Install a third 55MVAR capacitor bank at Luther Forest	
	NGRID	Tilden	Cortland	35.11	W	2024	115	115	1	939	1144	Upgrade spans to remove Clearance Limit (CLCPA)	
	NGRID	Tilden	Tilden	-	S	2024	115	115	-	N/A	N/A	Upgrade Terminal Equipment (CLCPA)	
	NGRID	Coffeen	Black River	-	S	2024	115	115	1	584	708	Terminal equipment replacements	
	NGRID	Browns Falls	Taylorville	-	S	2024	115	115	1	584	702	Terminal equipment upgrades	
	NGRID	Inghams	Saint Johnsville	2.94	W	2024	115	115	1	1114	1359	Reconductor 2.94mi of 2/0 + 4/0 Cu (of 7.11mi total) to 795 ACSR	
	NGRID	Mumford	Mumford	-	S	2024	115	115	-	N/A	N/A	115kV Terminal Equipment at Mumford (CLCPA)	
	NGRID	Dunkirk	Laona	10.5	S	2026	115	115	2	847	1063	115kV Reconductor approximately 5 miles (CLCPA)	
	NGRID	Coffeen	Coffeen	-	S	2026	115	115	-	N/A	N/A	Replace Assets at Coffeen, and install cap bank	
	NGRID	Whitaker	Whitaker	-	S	2025	115	115	-	N/A	N/A	Install automatic line sectionalizing scheme at Whitaker	
	NGRID	Gilbert Mills	Gilbert Mills	-	S	2025	115	115	-	N/A	N/A	Install automatic line sectionalizing scheme at Gilbert Mills	
	NGRID	New Krumkill	New Krumkill	-	W	2026	115	115	-	N/A	N/A	Add automatic line sectionalizing scheme	
	NGRID	Greenbush	Greenbush	-	S	2027	115	115	-	N/A	N/A	Replace substation equipment	
	NGRID	Southwood	Southwood	-	S	2028	115	115	-	N/A	N/A	Install 115kV breakers at Southwood	
	NGRID	Pebble Hill	Pebble Hill	-	S	2028	115	115	-	N/A	N/A	Install 115kV breakers at Pebble Hill	
	NGRID	State Campus	Menands	0.4	W	2028	115	115	1	1105	1347	Replace 0.4 mile of UG cable	
	NGRID	Inghams	Meco	30.83	W	2029	115	115	1	1398	1708	Rebuild 115kV DCT	
	NGRID	Meco	Maple Avenue	15.71	W	2029	115	115	1	1398	1708	Rebuild 115kV DCT	
	NGRID	Maple Avenue	Rotterdam	15.08	W	2029	115	115	1	1398	1708	Rebuild 115kV DCT	
	NGRID	Inghams	Stoner	23.8	W	2029	115	115	1	1398	1708	Rebuild 115kV DCT	
	NGRID	Stoner	Rotterdam	23.12	W	2029	115	115	1	1398	1708	Rebuild 115kV DCT	
	NGRID	Gloversville	Marshville	21.62	W	2030	69	69	1	1105	1347	Rebuild approximately 20 miles of 69kV	
	NYPA	Astoria Annex	Astoria Annex	Shunt Reactor	S	2028	345	345	2	TBD	TBD		
	NYPA	Niagara 345 kV	Niagara 230 kV	xfmr	W	2024	345/230	345/230	1	TBD	TBD	Replacement of Niagara AutoTransformer #5	
	O & R	Little Tor	-	Cap Bank	S	2030	138	138	1	32 MVAR	32 MVAR	Capacitor bank	
	O & R	Ramapo (NY)	South Mahwah (RECO)	5.5	W	2024	138	138	2	1980	2120	1272 ACSS	
	O & R	Burns	West Nyack	5	S	2026	138	138	1	940	940	UG Cable	
	O & R	Ramapo	Sugarloaf	17	W	2036	138	138	1	1980	2120	1272 ACSS	
	O & R	West Nyack	West Nyack	-	S	2029	138	138	1	N/A	N/A	Station Reconfiguration	
	O & R	West Nyack (NY)	Harings Corner (RECO)	7	S	2029	69	138	1	1604	1723	795 ACSS	
	O & R	West Nyack	West Nyack	xfmr	W	2026	138/69	138/69	1	196 MVA	196 MVA	TRANSFORMER	
	O & R	Shoemaker	Shoemaker	Cap Bank	W	2029	138	138	1	50 MVA	50 MVA	(2) Capacitor Banks	
	O & R	Shoemaker	Shoemaker	Substation	W	2029	138/69	138/69	1	N/A	N/A	New substations	
	O & R	Shoemaker	Shoemaker	-	W	2028	138/69	138/69	1	TBD	TBD	Transmission lines reconfiguration	
	O & R	Shoemaker	Cuddebackville	-	W	2030	69	138	1	TBD	TBD	Reconductor L12 & L13/L131	
	O & R	Port Jervis	Rio	-	W	2028	34.5	69	1	TBD	TBD	Upgrade L18	
	O & R	Dean	Dean	Substation	S	2027	34.5	69	1	N/A	N/A	Station Reconfiguration	
	O & R	Wilson Gate	Wilson Gate	Substation	W	2029	138/69	138/69	1	N/A	N/A	Station Reconfiguration	
	O & R	Shoemaker	Pocatello	-	W	2027	34.5	69	2	TBD	TBD	Reconductoring with double circuits	
	O & R	Pcatello	Decker	-	W	2031	34.5	69	1	TBD	TBD	L4/L6 upgrade	
	O & R	Decker	Bullville	-	W	2030	34.5	69	1	TBD	TBD	Upgrade L100	
	O & R	Washington Heights	Bullville	-	W	2028	34.5	69	1	TBD	TBD	New 69kV line	
	O & R	Monroe	Blooming Grove	-	W	2027	69	69	1	TBD	TBD	Line rebuild	
	O & R	West Warwick	West Warwick	-	W	2027	69	69	1	TBD	TBD	32 MVARS cap bank	
	O & R	Forrest Avenue	Forrest Avenue	-	W	2026	69	69	1	TBD	TBD	32 MVARS cap bank	
	O & R	West Milford	West Milford	-	W	2027	138	138	1	TBD	TBD	Breaker replacement	
	O & R	West Milford	West Milford	-	W	2028	69	69	1	TBD	TBD	16 MVARS cap bank	
	O & R	West Milford	West Milford	-	W	2025	69	69	1	TBD	TBD	16 MVARS cap bank	
	O & R	West Milford	West Milford	-	W	2026	69	69	1	TBD	TBD	32 MVARS cap bank	
	O & R	West Point	West Point	-	W	2027	69	69	1	TBD	TBD	32 MVARS cap bank	

Table VII: Proposed Transmission Facilities (cont'd)

Number	Note
1	Line Length Miles: Negative values indicate removal of Existing Circuit being tapped
2	S = Summer, W = Winter. Winter refers to the winter beginning with the year listed. For example, W 2024 refers to winter 2024-25.
3	Equipment (Transformers & Capacitor Banks) is retained on this list for one year after it goes in In-Service, and then it is deleted. A Transmission Line is reflected in Table VI, when it goes In-Service
4	Thermal Ratings in Amperes, except where labeled otherwise
5	Firm projects are those which have been reported by TOs as being sufficiently firm, and either (i) have an Operating Committee approved System Impact Study (if applicable) and, for projects subject to Article VII, have a determination from New York Public Service Commission that the Article VII application is in compliance with Public Service Law § 122, or (ii) is under construction and is scheduled to be in-service prior to June 1 of the current year.
6	Reconductoring of Existing Line
7	Segmentation of Existing Circuit
8	Deleted
9	Deleted
10	Deleted
11	Upgrade of existing 69 kV to 115 kV operation
12	Deleted
13	Deleted
14	This transmission upgrade was identified as a System Deliverability Upgrade (SDU) in the Class Year 2011 Study process required to make certain interconnection projects fully deliverable in the Rest of State Capacity Region. Upon the completion of Class Year 2011, the security posted for the SDU constituted greater than 60% of the total estimated costs for the SDUs and thereby "triggered" the SDU for construction.
15	The Class Year Transmission Project, Q#631, includes an elective System Upgrade Facility, an Astoria-Rainey 345kV cable. The Class Year Transmission Project, Q#887, is a 250 MW uprate of Q#631 project.
16	The Class Year Transmission Projects, Q#680 and Q#792, are alternative Projects to each other, and therefore, they cannot simultaneously join the same Class Year Study.
17	Deleted
18	This project has a System Reliability Impact Study that has been approved by the NYISO Operating Committee, and therefore is a potential candidate to enter the next Open Class Year study
19	These transmission projects are included in the FERC 715 Report models. Please see FERC 715 report for an explanation of the inclusion criteria.
20	Deleted
21	These Class Year Transmission Projects are included in the FERC 715 Report models. Please see FERC 715 report for an explanation of the inclusion criteria.
22	Due to the unavailability of the modeling information per the submittal schedule, these projects are not included in the FERC 715 Base Cases.
23	The proposed PAR to control flow on the Y54 line from East Garden City 345kV to Tremont 345kV and two shunts at East Garden City are expected to be energized along with the line by Summer 2030.

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The New York Independent System Operator (NYISO) is a not-for-profit corporation responsible for operating the state's bulk electricity grid, administering New York's competitive wholesale electricity markets, conducting comprehensive long-term planning for the state's electric power system, and advancing the technological infrastructure of the electric system serving the Empire State.

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