

# 2015 Load & Capacity Data

*A report by*

*The New York Independent System Operator, Inc.*

## “Gold Book”

The logo for the New York Independent System Operator (NISO), featuring a stylized outline of the state of New York to the left of the letters "NISO" in a bold, sans-serif font.A graphic illustration of high-voltage power lines and transmission towers. The towers are depicted as lattice structures, and the lines are thin, dark lines that stretch across the frame. The background is a solid yellow color.

Superseded April 2016

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Released April 2015

# NEW YORK INDEPENDENT SYSTEM OPERATOR

## 2015

# LOAD & CAPACITY DATA

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# OVERVIEW

This report presents the New York Independent System Operator, Inc. (NYISO) load and capacity data for the years 2015-2025. The seven sections of this *Load and Capacity Data* report (*Gold Book*) address the following topics:

- **Historic and forecast peak demand, energy usage, and energy efficiency;**
- **Existing and proposed generation and other capacity resources; and**
- **Existing and proposed transmission facilities.**

## Historic and Forecast Baseline Load

During the past few years wholesale electricity load in the New York Control Area (NYCA<sup>1</sup>) has revealed a trend of nearly flat energy usage along with some growth in summer peak demand. However, there are notable disparities in these trends across the various regions of the state. With respect to energy usage:

- the Western region (Zones A - C) has been relatively flat;
- the Mid-state region (Zones E and F) has exhibited strong growth; and
- the Downstate region, (NYISO Zones G - K) shows a persistent decline.<sup>2</sup>

Summer peak demand, on the other hand, has grown modestly in both the western and mid-state zones with Downstate zones showing slow growth. Winter peak demand is relatively flat statewide with some growth apparent in the Upstate regions (NYISO Zones A - F).

The 2015 baseline figures reflect the historical trends and forecasted patterns for both energy and peak. The 2015 baseline forecasts for energy and peak are lower than those published in the 2014 *Gold Book*.

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<sup>1</sup> 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).

<sup>2</sup> It must be noted that there have been significant fluctuations in industrial load in Zone D over the past few years. Therefore, Zone D has been excluded from regional discussions.

- The baseline forecast of NYCA energy usage for 2015 is 160,121 GWh, which is 0.30% lower than the weather-normalized forecast for energy usage in 2014. Annual average energy growth is 0.0% in this year's forecast; last year it was 0.16%.
- The baseline forecast for the NYCA 2015 summer peak is 33,567 MW, which is 0.83% higher than the weather-normalized summer peak for 2014. Annual average summer coincident peak growth is 0.48% in this year's forecast; last year it was 0.83%.

By all accounts, the economic health of the state continues to be robust with growth and strength reported broadly across all sectors. However, as has been noted by load forecasters nationwide, we no longer observe a close linkage between the economy and energy usage. The lower forecasted growth in energy usage can largely be attributed to the projected impact of existing statewide energy efficiency programs<sup>3</sup> and the growing impact of distributed *behind-the-meter* energy resources. These include retail solar photovoltaic (SPV)<sup>4</sup>, combined heat and power (CHP), anaerobic digester gas (ADG), fuel cells, and energy storage. Such resources are expected to continue to affect forecasted energy usage, as programs authorized under New York State's NY-SUN Initiative, Clean Energy Fund and Green Bank programs are implemented. Moreover, the overall growth of distributed energy resources (DERs) at the local distribution level is expected to be facilitated by New York State's Reforming Energy Vision (REV) initiative.

The NYISO employed a two-stage process in developing load forecasts for each of the 11 zones within the NYCA. In the first stage, zonal load forecasts are based upon econometric projections that recognize the influence of weather and the economy. The NYISO also prepared separate forecasts for the various energy-savings impacts – both existing and new programs, including the initiatives being considered under the auspices of the Clean Energy Fund Proposal<sup>5</sup>, *behind-the-meter* activity from SPV, and other distributed generation. The impact of retail SPV on both energy usage and peak demand is displayed separately this year due to its rising significance in New York's energy

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<sup>3</sup> The Clean Energy Fund programs encompass and continue renewable energy and energy efficiency programs that originated with New York's Renewable Portfolio Standard, Energy Efficiency Portfolio Standard (EEPS) and System Benefits Charge (SBC). The NYISO will continue to serve as a technical advisor to those state agencies that are implementing these programs, and will monitor their impact on the NYISO's system planning processes.

<sup>4</sup> Retail solar PV refers to small-scale solar powered photo-voltaic systems which generate electric energy and are installed at locations on the customer's side of the meter, rather than large-scale systems that are interconnected to the bulk power system.

<sup>5</sup> The Clean Energy Fund incorporates and continues, with modifications, programs implemented under the Renewable Portfolio Standard, Energy Efficiency Portfolio Standard, and the System Benefits Charge.

landscape. The econometric forecast reflects energy usage levels that would occur in the absence of energy saving impacts and *behind-the-meter* activity.

### **Generation and Other Capacity Resources**

The total resource capability in the NYCA for the summer of 2015 is 41,610 MW, which is an increase of 312 MW from summer 2014 due to the net impact of additions, uprates, revised unit ratings, retirements<sup>6</sup>, changes in Special Case Resources (SCR), and changes in net purchases of capacity from other control areas. The total resource capability for 2015 includes:

- existing NYCA generating capacity (38,665 MW);
- SCR (1,124 MW);
- additions and uprates (374 MW); and
- net long-term purchases with neighboring control areas (1,446 MW)<sup>7</sup>.

The existing NYCA capability includes wind generation (1,461 MW)<sup>8</sup> and non-wind renewable generation (511 MW, including 32 MW of large-scale solar PV).

Since the 2014 *Gold Book*, a total of 33 MW of summer capacity has been retired or mothballed, as compared with 123 MW in the prior year. There are also units that are in transitional states, e.g., some have provided notice of intent to mothball, but are operating under Reliability Support Services Agreements. Certain generation owners provided status changes since the 2014 *Gold Book*, including generators returning to service, withdrawal of a notice of intent to mothball, and a restoration to full capacity operation. There is a general trend of generating capacity returning to service in Southeast New York and other parts of the New York Control Area.

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<sup>6</sup> The term “retirement” is defined per PSC Order in Case 05-E-0889, footnote 1: “The Instituting Order defined “retirements” to collectively include shut-downs, abandonments, mothballing, and other circumstances where a generating unit is taken out of service for a substantial period of time, excluding scheduled maintenance and forced outages.”

<sup>7</sup> Additional information on these changes is provided in Section II.

<sup>8</sup> This value represents the amount of wind resources that participate in the NYISO’s capacity markets. There is a total of 1,746 MW of wind resources interconnected to the NYCA system.

Some generators returning to service have refueled or are expected to refuel their units with natural gas, converting from coal. These actions reflect the increasing reliance of New York's generator fleet on natural gas. Currently, there are 17,684 MW of dual-fueled capacity with the capability of burning natural gas or fuel oil and 3,781 MW of gas-burning capacity. Dependable Maximum Net Capability (DMNC) is reported in Table III-2<sup>9</sup>.

Beyond 2014, the resource capability in the NYCA will be affected by the net effect of additions of new generation, re-ratings of operating units, the retirement of existing generators and net purchases. Table IV-1 shows the proposed facilities that have either 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, 3,315 MW are natural gas or dual-fuel projects, 1,265 MW are wind turbine projects and 22 MW are non-wind renewable energy projects.

### **Transmission Facilities**

This report lists all existing transmission facilities in the NYCA. It also includes several new transmission facilities that came into service since the publication of the 2014 *Gold Book*. The list of proposed transmission facilities includes merchant projects as well as firm and non-firm projects submitted by each transmission owner.

The Transmission Owner Transmission Solutions (TOTS) listed in Table VII consist of three distinct transmission projects approved by the PSC as part of the Indian Point Contingency Plan in October 2013 and are projected by the Transmission Owners to be in service by summer 2016<sup>10</sup>. The objective of the plan is to increase transfer capability into Southeast New York. The Marcy South Series Compensation project includes adding compensation to the Marcy South transmission corridor through the installation of series capacitors, and includes re-conductoring the Fraser – Coopers Corners 345 kV line. The Rock Tavern – Ramapo project will add a second Rock Tavern – Ramapo 345 kV line and create a Sugarloaf 345/138 kV connection to the Orange and Rockland system. The Marcy South Series Compensation and Rock Tavern – Ramapo projects together will increase the

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<sup>9</sup> The NYISO does not specify the fuel to be used in DMNC testing.

<sup>10</sup> The Indian Point Contingency Plan also included 125 MW of additional demand response and combined heat and power resources to be implemented by Consolidated Edison, some of which is already in effect.

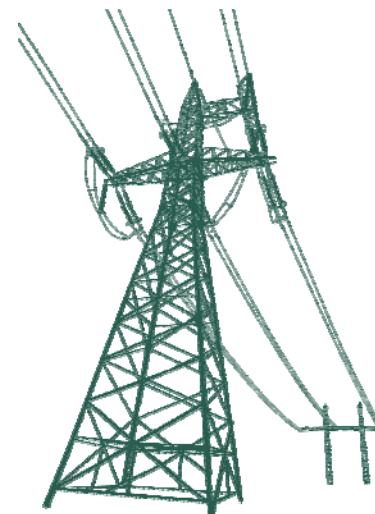


transfer capability from upstate to downstate New York. The Staten Island Unbottling project will relieve transmission constraints between Staten Island and the rest of New York City through the reconfiguration of two substations and the forced cooling of four existing 345 kV feeders.

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# **SECTION I:** **ANNUAL ENERGY & PEAK DEMAND -** **HISTORY & FORECASTS**



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## Section I

This section of the 2015 *Gold Book* presents forecasts and historical data on energy and peak demand. The baseline forecasts reflect the impact of energy efficiency programs as well as the impact of *behind-the-meter* generation attributed to SPV and other distributed energy resources. The tables below report historical and forecast annual average growth rates for Zones A through F, Zones G through I, Zone J, Zone K and the NYCA. The tables report growth rates for annual energy, summer coincident peaks and summer non-coincident peaks. The historical growth rates are not weather-adjusted. Recent industrial load curtailment<sup>11</sup> in one of the upstate zones has reduced growth rates in Zones A to F by an additional 0.20% to 0.25%.

### Historical and Forecasted Annual Average Growth Rates

#### Annual Energy

Period	Zones A to C	Zones E & F	Zones G to K	NYCA
2005-2014	-0.55%	0.44%	-0.47%	-0.48%
2015-2025	-0.19%	-0.17%	-0.10%	0.00%

#### Summer Coincident Peak

Period	Zones A to C	Zones E & F	Zones G to K	NYCA
2005-2014	-1.78%	-0.58%	-0.42%	-0.82%
2015-2025	0.10%	0.28%	0.56%	0.48%

#### Summer Non-coincident Peak

Period	Zones A to C	Zones E & F	Zones G to K
2005-2014	-0.75%	0.29%	-0.70%
2015-2025	0.10%	0.28%	0.56%

The NYISO employs a two-stage process in developing load forecasts for each of the 11 zones within the NYCA. In the first stage, zonal load forecasts are based upon regression models that are reflective of annual changes in economic conditions and weather. In the second stage, the NYISO prepares forecasts of energy reductions resulting from statewide energy

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<sup>11</sup> This load is expected to return by 2019.

efficiency programs, new building codes and appliance efficiency standards, and the impact of retail solar PV. These forecasts are based upon new and updated information about the performance of such programs provided by the New York State Department of Public Service (DPS), the New York State Energy Research and Development Authority (NYSERDA), state power authorities, electric utilities, and through NYISO's previous participation in the DPS Evaluation Advisory Group. The NYISO forecast for SPV impacts is based upon historical data, an assumed trend of future SPV installations over time, a geographical distribution of the units, and performance parameters derived from operational data.

The NYISO baseline forecast is reported in Tables I-1, I-2a, and I-2b. In addition to the baseline forecast, the NYISO provides high and low forecasts for each zone that represent a range of weather conditions, as found in Tables I-2d and I-2e. The NYISO forecasts of the impacts of energy savings programs and *behind-the-meter* generation are in Table I-2f; the impacts of SPV are in Table I-2g. The econometric forecast is reported in Tables I-3a and I-3b. The baseline and econometric forecasts reflect a combination of data submitted by Transmission Owners for their respective territories and forecasts prepared by the NYISO.

**Table I-1: NYCA Energy and Demand Forecasts Net of Energy Saving Impacts**

**2015 Long Term Forecast<sup>1</sup> - 2015 to 2025**

**Energy - GWh**

Year	Low <sup>3</sup>	Baseline <sup>4</sup>	High <sup>3</sup>
2014		160,598	
2015	157,707	160,121	162,535
2016	157,557	159,970	162,383
2017	156,583	158,980	161,377
2018	155,896	158,280	160,664
2019	156,418	158,797	161,176
2020	157,208	159,585	161,962
2021	156,883	159,256	161,629
2022	156,954	159,328	161,702
2023	157,128	159,506	161,884
2024	157,620	160,006	162,392
2025	157,677	160,065	162,453

**Summer<sup>2</sup> Peak Demand - MW**

Year	Low <sup>3</sup>	Baseline <sup>4,5</sup>	High <sup>3</sup>
2014		33,291	
2015	30,494	33,567	35,862
2016	30,555	33,636	35,932
2017	30,685	33,779	36,084
2018	30,778	33,882	36,191
2019	30,997	34,119	36,443
2020	31,171	34,309	36,645
2021	31,315	34,469	36,815
2022	31,470	34,639	36,997
2023	31,636	34,823	37,192
2024	31,805	35,010	37,391
2025	31,994	35,219	37,614

**Winter<sup>2</sup> Peak Demand - MW**

Year	Low <sup>3</sup>	Baseline <sup>4</sup>	High <sup>3</sup>
2014-15		24,500	
2015-16	22,933	24,515	26,097
2016-17	22,942	24,524	26,106
2017-18	22,908	24,488	26,068
2018-19	22,885	24,463	26,041
2019-20	23,014	24,603	26,192
2020-21	23,158	24,757	26,356
2021-22	23,194	24,796	26,398
2022-23	23,237	24,843	26,449
2023-24	23,286	24,895	26,504
2024-25	23,337	24,951	26,565
2025-26	23,401	25,020	26,639

**Average Annual Growth - Percent**

Period	Low	Baseline	High
2015-25	0.00%	0.00%	-0.01%
2015-20	-0.06%	-0.07%	-0.07%
2020-25	0.06%	0.06%	0.06%

Period	Low	Baseline	High
2015-25	0.48%	0.48%	0.48%
2015-20	0.44%	0.44%	0.43%
2020-25	0.52%	0.52%	0.52%

Period	Low	Baseline	High
2015-25	0.20%	0.20%	0.21%
2015-20	0.20%	0.20%	0.20%
2020-25	0.21%	0.21%	0.21%

Notes

1. All results in the Section I tables include transmission & distribution losses and exclude station power and other Local Generation.
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 forecasts are at the 10th and 90th percentiles for extreme weather conditions, respectively.
4. Energy and Peak figures for 2014 are weather-normalized. The actual levels for the energy, Summer peak, and Winter peak are, respectively, 160,059 GWh, 29,782 MW, and 24,648 MW.
5. 2015 NYCA summer peak is the same as the 2015 ICAP forecast.

**Table I-2a: Baseline Forecast of Annual Energy & Coincident Peak Demand**  
*Reflects Impacts of Energy Saving Programs & Behind-the-Meter Generation*

**Forecast of Annual Energy by Zone - GWh**

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2015	15,789	9,849	16,055	4,620	8,058	11,906	9,826	2,944	6,051	52,918	22,105	160,121
2016	15,836	9,838	16,074	4,636	8,077	11,868	9,791	2,932	6,037	52,803	22,078	159,970
2017	15,745	9,774	16,015	4,625	8,053	11,757	9,693	2,904	5,995	52,435	21,984	158,980
2018	15,690	9,731	15,958	4,627	8,049	11,657	9,608	2,884	5,969	52,208	21,899	158,280
2019	15,643	9,699	15,915	5,604	8,051	11,571	9,523	2,866	5,957	52,098	21,870	158,797
2020	15,651	9,690	15,913	6,582	8,089	11,532	9,477	2,853	5,940	51,955	21,903	159,585
2021	15,581	9,640	15,854	6,584	8,094	11,452	9,401	2,830	5,928	51,847	22,045	159,256
2022	15,563	9,613	15,842	6,585	8,117	11,425	9,355	2,818	5,923	51,804	22,283	159,328
2023	15,549	9,589	15,837	6,587	8,140	11,412	9,315	2,811	5,923	51,808	22,535	159,506
2024	15,578	9,587	15,871	6,588	8,204	11,444	9,299	2,810	5,928	51,845	22,852	160,006
2025	15,520	9,542	15,841	6,590	8,214	11,418	9,243	2,803	5,934	51,898	23,062	160,065

**Forecast of Coincident Summer Peak Demand by Zone - MW**

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2015	2,635	2,042	2,923	551	1,398	2,376	2,256	644	1,478	11,800	5,464	33,567
2016	2,632	2,040	2,927	551	1,397	2,380	2,260	647	1,489	11,882	5,431	33,636
2017	2,633	2,044	2,935	550	1,405	2,382	2,262	650	1,503	12,004	5,411	33,779
2018	2,632	2,047	2,935	550	1,412	2,384	2,264	648	1,516	12,106	5,388	33,882
2019	2,631	2,050	2,936	666	1,420	2,386	2,266	646	1,527	12,195	5,396	34,119
2020	2,631	2,052	2,935	780	1,429	2,388	2,268	646	1,535	12,251	5,394	34,309
2021	2,633	2,056	2,939	782	1,439	2,390	2,270	646	1,544	12,330	5,440	34,469
2022	2,637	2,060	2,943	782	1,449	2,392	2,272	644	1,555	12,413	5,492	34,639
2023	2,641	2,063	2,948	782	1,459	2,394	2,274	645	1,567	12,502	5,548	34,823
2024	2,646	2,065	2,952	780	1,471	2,396	2,276	646	1,577	12,593	5,608	35,010
2025	2,651	2,069	2,960	782	1,482	2,398	2,278	646	1,591	12,689	5,673	35,219

**Forecast of Coincident Winter Peak Demand by Zone - MW**

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2015-16	2,361	1,544	2,664	660	1,341	1,930	1,548	542	919	7,447	3,559	24,515
2016-17	2,365	1,540	2,668	660	1,343	1,930	1,545	541	918	7,440	3,574	24,524
2017-18	2,362	1,537	2,676	661	1,347	1,933	1,543	540	913	7,398	3,578	24,488
2018-19	2,359	1,533	2,677	661	1,351	1,935	1,538	538	910	7,375	3,586	24,463
2019-20	2,357	1,531	2,680	801	1,355	1,939	1,533	538	909	7,368	3,592	24,603
2020-21	2,355	1,527	2,681	938	1,361	1,943	1,528	537	908	7,357	3,622	24,757
2021-22	2,354	1,525	2,685	941	1,368	1,947	1,525	535	907	7,351	3,658	24,796
2022-23	2,352	1,523	2,688	941	1,374	1,950	1,521	536	908	7,354	3,696	24,843
2023-24	2,351	1,520	2,691	941	1,379	1,953	1,517	535	909	7,364	3,735	24,895
2024-25	2,349	1,517	2,692	939	1,387	1,956	1,512	535	911	7,378	3,775	24,951
2025-26	2,348	1,515	2,696	942	1,393	1,959	1,509	535	913	7,395	3,815	25,020



**Table I-2b-1: Baseline Forecast of Zonal Non-Coincident Peak Demand**  
*Reflects Impacts of Energy Saving Programs & Behind-the-Meter Generation*

**Forecast of Zonal Non-Coincident Summer Peak Demand by Zone - MW**

Year	A	B	C	D	E	F	G	H	I	J	K
2015	2,673	2,073	2,952	606	1,421	2,397	2,281	651	1,494	11,929	5,539
2016	2,670	2,071	2,956	606	1,420	2,401	2,285	654	1,505	12,013	5,506
2017	2,671	2,075	2,964	605	1,428	2,403	2,287	657	1,520	12,136	5,485
2018	2,670	2,078	2,964	605	1,435	2,405	2,289	655	1,533	12,239	5,462
2019	2,669	2,081	2,965	733	1,443	2,407	2,291	653	1,544	12,329	5,470
2020	2,669	2,083	2,964	858	1,453	2,409	2,293	653	1,552	12,386	5,468
2021	2,671	2,087	2,968	860	1,463	2,412	2,295	653	1,561	12,466	5,515
2022	2,675	2,091	2,972	860	1,473	2,414	2,297	651	1,572	12,550	5,567
2023	2,679	2,094	2,977	860	1,483	2,416	2,299	652	1,584	12,640	5,624
2024	2,684	2,096	2,982	858	1,495	2,418	2,301	653	1,594	12,732	5,685
2025	2,689	2,100	2,990	860	1,506	2,420	2,303	653	1,609	12,829	5,751

**Forecast of Non-Coincident Winter Peak Demand by Zone - MW**

Year	A	B	C	D	E	F	G	H	I	J	K
2015-16	2,395	1,555	2,664	667	1,368	1,937	1,548	543	924	7,536	3,608
2016-17	2,399	1,551	2,668	667	1,370	1,937	1,545	542	923	7,529	3,623
2017-18	2,396	1,548	2,676	668	1,374	1,940	1,543	541	918	7,487	3,627
2018-19	2,393	1,544	2,677	668	1,378	1,942	1,538	539	915	7,464	3,635
2019-20	2,391	1,542	2,680	809	1,382	1,946	1,533	539	914	7,456	3,642
2020-21	2,389	1,538	2,681	947	1,388	1,950	1,528	538	913	7,445	3,671
2021-22	2,388	1,536	2,685	950	1,395	1,954	1,525	536	912	7,439	3,708
2022-23	2,386	1,534	2,688	950	1,401	1,957	1,521	537	913	7,442	3,746
2023-24	2,385	1,531	2,691	950	1,407	1,960	1,517	536	914	7,452	3,787
2024-25	2,383	1,528	2,692	948	1,415	1,963	1,512	536	916	7,467	3,827
2025-26	2,382	1,526	2,696	951	1,421	1,966	1,509	536	918	7,484	3,867

**Table I-2b-2: Baseline Forecast of Non-Coincident Peak Demand in G-J Locality**  
*Reflects Impacts of Energy Saving Programs & Behind-the-Meter Generation*

**Forecast of G-J Locality, Non-Coincident Summer Peak - MW**

Year	G	H	I	J	G-J
2015	2,279	651	1,493	11,917	16,340
2016	2,283	653	1,504	12,001	16,441
2017	2,285	657	1,518	12,124	16,584
2018	2,287	654	1,531	12,227	16,699
2019	2,289	652	1,542	12,317	16,800
2020	2,291	652	1,550	12,374	16,867
2021	2,293	652	1,559	12,453	16,957
2022	2,295	650	1,571	12,537	17,053
2023	2,297	651	1,583	12,627	17,158
2024	2,299	652	1,593	12,719	17,263
2025	2,301	652	1,607	12,816	17,376

**Forecast of G-J Locality, Non-Coincident Winter Peak - MW**

Year	G	H	I	J	G-J
2015-16	1,548	543	924	7,527	10,542
2016-17	1,545	542	923	7,520	10,530
2017-18	1,543	541	918	7,478	10,480
2018-19	1,538	539	915	7,455	10,447
2019-20	1,533	539	914	7,448	10,434
2020-21	1,528	538	913	7,436	10,415
2021-22	1,525	536	912	7,430	10,403
2022-23	1,521	537	913	7,433	10,404
2023-24	1,517	536	914	7,444	10,411
2024-25	1,512	536	916	7,458	10,422
2025-26	1,509	536	918	7,475	10,438

## Table I-2c: Projection of Emergency Demand Response Program Enrollment

### Forecast of Reductions in Coincident Summer Peak Demand by Zone - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2015	13	1	13	4	12	26	0	2	0	14	1	86
2016	13	1	13	4	12	26	0	2	0	14	1	86
2017	13	1	13	4	12	26	0	2	0	14	1	86
2018	13	1	13	4	12	26	0	2	0	14	1	86
2019	13	1	13	4	12	26	0	2	0	14	1	86
2020	13	1	13	4	12	26	0	2	0	14	1	86
2021	13	1	13	4	12	26	0	2	0	14	1	86
2022	13	1	13	4	12	26	0	2	0	14	1	86
2023	13	1	13	4	12	26	0	2	0	14	1	86
2024	13	1	13	4	12	26	0	2	0	14	1	86
2025	13	1	13	4	12	26	0	2	0	14	1	86

\* The facilities providing Emergency Demand Response are not considered Installed Capacity resources.

### Forecast of Reductions in Coincident Winter Peak Demand by Zone - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2015	13	3	12	4	11	33	0	2	0	0	0	78
2016	13	3	12	4	11	33	0	2	0	0	0	78
2017	13	3	12	4	11	33	0	2	0	0	0	78
2018	13	3	12	4	11	33	0	2	0	0	0	78
2019	13	3	12	4	11	33	0	2	0	0	0	78
2020	13	3	12	4	11	33	0	2	0	0	0	78
2021	13	3	12	4	11	33	0	2	0	0	0	78
2022	13	3	12	4	11	33	0	2	0	0	0	78
2023	13	3	12	4	11	33	0	2	0	0	0	78
2024	13	3	12	4	11	33	0	2	0	0	0	78
2025	13	3	12	4	11	33	0	2	0	0	0	78

\* The facilities providing Emergency Demand Response are not considered Installed Capacity resources.

## Table I-2d: 90<sup>th</sup> Percentile of Baseline Forecast

*Reflects Impacts of Energy Saving Programs & Behind-the-Meter Generation*

### 90th Percentile Forecast of Annual Energy by Zone - GWh

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2015	16,005	10,006	16,271	4,623	8,160	12,069	10,017	3,004	6,156	53,677	22,547	162,535
2016	16,053	9,995	16,291	4,639	8,179	12,030	9,981	2,992	6,142	53,561	22,520	162,383
2017	15,961	9,930	16,231	4,628	8,155	11,918	9,881	2,963	6,099	53,187	22,424	161,377
2018	15,905	9,886	16,173	4,630	8,151	11,816	9,794	2,943	6,072	52,957	22,337	160,664
2019	15,857	9,854	16,130	5,608	8,153	11,729	9,708	2,924	6,060	52,845	22,308	161,176
2020	15,865	9,845	16,128	6,586	8,192	11,690	9,661	2,911	6,043	52,700	22,341	161,962
2021	15,794	9,794	16,068	6,588	8,197	11,609	9,583	2,888	6,031	52,591	22,486	161,629
2022	15,776	9,766	16,056	6,589	8,220	11,581	9,537	2,875	6,026	52,547	22,729	161,702
2023	15,762	9,742	16,051	6,591	8,243	11,568	9,496	2,868	6,026	52,551	22,986	161,884
2024	15,791	9,740	16,085	6,592	8,308	11,601	9,479	2,867	6,031	52,589	23,309	162,392
2025	15,733	9,694	16,055	6,594	8,318	11,574	9,422	2,860	6,037	52,643	23,523	162,453

### 90th Percentile Forecast of Coincident Summer Peak Demand by Zone - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2015	2,830	2,193	3,140	592	1,502	2,582	2,452	716	1,643	12,292	5,920	35,862
2016	2,827	2,191	3,144	592	1,501	2,586	2,456	719	1,655	12,377	5,884	35,932
2017	2,828	2,195	3,152	591	1,509	2,589	2,458	723	1,671	12,505	5,863	36,084
2018	2,827	2,199	3,152	591	1,517	2,591	2,460	720	1,685	12,611	5,838	36,191
2019	2,826	2,202	3,154	715	1,525	2,593	2,462	718	1,697	12,704	5,847	36,443
2020	2,826	2,204	3,152	838	1,535	2,595	2,465	718	1,706	12,762	5,844	36,645
2021	2,828	2,208	3,157	840	1,546	2,597	2,467	718	1,716	12,844	5,894	36,815
2022	2,832	2,213	3,161	840	1,556	2,599	2,469	716	1,729	12,931	5,951	36,997
2023	2,837	2,216	3,166	840	1,567	2,602	2,471	717	1,742	13,023	6,011	37,192
2024	2,842	2,218	3,171	838	1,580	2,604	2,473	718	1,753	13,118	6,076	37,391
2025	2,847	2,222	3,179	840	1,592	2,606	2,476	718	1,769	13,218	6,147	37,614

### 90th Percentile Forecast of Coincident Winter Peak Demand by Zone - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2015-16	2,498	1,633	2,819	708	1,419	2,042	1,638	578	981	7,949	3,832	26,097
2016-17	2,502	1,629	2,823	708	1,421	2,042	1,634	577	980	7,941	3,849	26,106
2017-18	2,499	1,626	2,831	709	1,425	2,045	1,632	576	975	7,897	3,853	26,068
2018-19	2,496	1,622	2,832	709	1,429	2,047	1,627	574	971	7,872	3,862	26,041
2019-20	2,494	1,620	2,835	859	1,434	2,051	1,622	574	970	7,865	3,868	26,192
2020-21	2,492	1,615	2,836	1,006	1,440	2,056	1,616	573	969	7,853	3,900	26,356
2021-22	2,491	1,613	2,841	1,009	1,447	2,060	1,613	571	968	7,846	3,939	26,398
2022-23	2,488	1,611	2,844	1,009	1,454	2,063	1,609	572	969	7,850	3,980	26,449
2023-24	2,487	1,608	2,847	1,009	1,459	2,066	1,605	571	970	7,860	4,022	26,504
2024-25	2,485	1,605	2,848	1,007	1,468	2,069	1,600	571	972	7,875	4,065	26,565
2025-26	2,484	1,603	2,852	1,010	1,474	2,073	1,596	571	975	7,893	4,108	26,639

Note: Energy and demand forecasts for zones at the 90th percentile are representative of extreme high weather conditions.

**Table I-2e: 10<sup>th</sup> Percentile of Baseline Forecast**

*Reflects Impacts of Energy Saving Programs & Behind-the-Meter Generation*

**10th Percentile Forecast of Annual Energy by Zone - GWh**

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2015	15,573	9,692	15,839	4,617	7,956	11,743	9,635	2,884	5,946	52,159	21,663	157,707
2016	15,619	9,681	15,857	4,633	7,975	11,706	9,601	2,872	5,932	52,045	21,636	157,557
2017	15,529	9,618	15,799	4,622	7,951	11,596	9,505	2,845	5,891	51,683	21,544	156,583
2018	15,475	9,576	15,743	4,624	7,947	11,498	9,422	2,825	5,866	51,459	21,461	155,896
2019	15,429	9,544	15,700	5,600	7,949	11,413	9,338	2,808	5,854	51,351	21,432	156,418
2020	15,437	9,535	15,698	6,578	7,986	11,374	9,293	2,795	5,837	51,210	21,465	157,208
2021	15,368	9,486	15,640	6,580	7,991	11,295	9,219	2,772	5,825	51,103	21,604	156,883
2022	15,350	9,460	15,628	6,581	8,014	11,269	9,173	2,761	5,820	51,061	21,837	156,954
2023	15,336	9,436	15,623	6,583	8,037	11,256	9,134	2,754	5,820	51,065	22,084	157,128
2024	15,365	9,434	15,657	6,584	8,100	11,287	9,119	2,753	5,825	51,101	22,395	157,620
2025	15,307	9,390	15,627	6,586	8,110	11,262	9,064	2,746	5,831	51,153	22,601	157,677

**10th Percentile Forecast of Coincident Summer Peak Demand by Zone - MW**

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2015	2,430	1,883	2,696	508	1,289	2,156	2,047	558	1,280	10,743	4,904	30,494
2016	2,427	1,881	2,700	508	1,288	2,160	2,051	560	1,289	10,817	4,874	30,555
2017	2,428	1,885	2,707	507	1,296	2,161	2,053	563	1,301	10,928	4,856	30,685
2018	2,427	1,888	2,707	507	1,302	2,163	2,054	561	1,312	11,021	4,836	30,778
2019	2,427	1,891	2,708	614	1,310	2,165	2,056	559	1,322	11,102	4,843	30,997
2020	2,427	1,893	2,707	719	1,318	2,167	2,058	559	1,329	11,153	4,841	31,171
2021	2,428	1,896	2,711	721	1,327	2,169	2,060	559	1,337	11,225	4,882	31,315
2022	2,432	1,900	2,714	721	1,336	2,171	2,062	558	1,346	11,301	4,929	31,470
2023	2,436	1,903	2,719	721	1,346	2,172	2,063	558	1,357	11,382	4,979	31,636
2024	2,440	1,905	2,723	719	1,357	2,174	2,065	559	1,365	11,465	5,033	31,805
2025	2,445	1,908	2,730	721	1,367	2,176	2,067	559	1,377	11,552	5,092	31,994

**10th Percentile Forecast of Coincident Winter Peak Demand by Zone - MW**

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2015-16	2,224	1,455	2,509	612	1,263	1,818	1,458	506	857	6,945	3,286	22,933
2016-17	2,228	1,451	2,513	612	1,265	1,818	1,456	505	856	6,939	3,299	22,942
2017-18	2,225	1,448	2,521	613	1,269	1,821	1,454	504	851	6,899	3,303	22,908
2018-19	2,222	1,444	2,522	613	1,273	1,823	1,449	502	849	6,878	3,310	22,885
2019-20	2,220	1,442	2,525	743	1,276	1,827	1,444	502	848	6,871	3,316	23,014
2020-21	2,218	1,439	2,526	870	1,282	1,830	1,440	501	847	6,861	3,344	23,158
2021-22	2,217	1,437	2,529	873	1,289	1,834	1,437	499	846	6,856	3,377	23,194
2022-23	2,216	1,435	2,532	873	1,294	1,837	1,433	500	847	6,858	3,412	23,237
2023-24	2,215	1,432	2,535	873	1,299	1,840	1,429	499	848	6,868	3,448	23,286
2024-25	2,213	1,429	2,536	871	1,306	1,843	1,424	499	850	6,881	3,485	23,337
2025-26	2,212	1,427	2,540	874	1,312	1,845	1,422	499	851	6,897	3,522	23,401

Note: Energy and demand forecasts for zones at the 10th percentile are representative of extreme low weather conditions.

**Table I-2f: Energy Efficiency & Behind-the-Meter Generation Other Than Retail Solar PV**

**Forecast of Reductions in Annual Energy by Zone - GWh**

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2015	198	133	357	17	136	241	115	22	45	394	216	1,874
2016	396	263	552	36	246	440	267	56	105	925	563	3,849
2017	583	385	748	54	351	632	407	81	154	1,346	937	5,678
2018	693	458	874	65	417	754	489	102	198	1,727	1,310	7,087
2019	773	511	968	74	466	845	550	113	213	1,864	1,628	8,005
2020	841	556	1,053	81	508	922	599	120	222	1,941	1,918	8,761
2021	901	596	1,125	86	544	988	642	124	226	1,972	2,175	9,379
2022	953	631	1,186	90	575	1,042	678	131	229	2,002	2,355	9,872
2023	998	661	1,234	94	600	1,086	709	134	233	2,033	2,534	10,316
2024	1,038	688	1,276	97	622	1,125	736	137	237	2,064	2,727	10,747
2025	1,074	713	1,310	101	642	1,159	762	143	240	2,094	2,924	11,162

**Forecast of Reductions in Coincident Summer Peak Demand by Zone - MW**

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2015	24	18	42	2	16	27	13	4	8	65	46	265
2016	53	41	71	5	32	54	29	9	25	198	121	638
2017	81	63	100	7	47	79	44	13	30	239	214	917
2018	97	75	118	9	56	95	54	15	34	273	301	1,127
2019	112	86	132	11	65	113	65	15	35	277	368	1,279
2020	123	94	144	12	71	123	72	18	37	298	436	1,428
2021	133	101	155	13	77	133	78	19	39	312	498	1,558
2022	142	108	165	14	82	142	83	20	39	312	550	1,657
2023	150	114	173	14	86	150	88	20	39	313	600	1,747
2024	158	119	180	15	90	156	92	21	39	313	648	1,831
2025	171	128	192	16	97	169	97	22	39	313	695	1,939

**Forecast of Reductions in Coincident Winter Peak Demand by Zone - MW**

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2015-16	19	14	36	1	13	22	10	2	6	47	53	223
2016-17	39	30	57	3	24	41	21	6	13	110	94	438
2017-18	59	45	77	5	35	59	32	10	20	165	136	643
2018-19	70	54	90	6	41	70	38	13	27	217	174	800
2019-20	81	61	101	8	48	83	46	14	29	234	210	915
2020-21	88	67	110	8	52	91	51	15	30	239	248	999
2021-22	96	72	118	9	56	98	55	16	31	243	278	1,072
2022-23	102	77	125	9	60	104	59	16	31	248	307	1,138
2023-24	108	81	131	10	63	109	62	17	32	254	336	1,203
2024-25	113	85	136	10	66	114	65	17	32	258	362	1,258
2025-26	122	91	145	11	71	123	69	19	33	263	386	1,333

## Table I-2g: Retail Solar PV

### Forecast of Reductions in Annual Energy by Zone - GWh

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2015	34	10	35	3	19	101	67	9	4	37	34	353
2016	53	16	55	4	31	162	104	18	10	90	251	794
2017	79	23	80	5	46	244	148	28	17	153	319	1,142
2018	107	31	109	6	64	343	196	40	28	241	345	1,510
2019	134	39	138	7	81	445	240	53	40	347	344	1,868
2020	154	45	161	8	96	532	274	68	54	477	343	2,212
2021	167	49	177	8	105	592	297	85	76	664	343	2,563
2022	172	51	186	9	112	631	311	96	90	787	342	2,787
2023	173	53	191	9	116	656	319	102	99	864	341	2,923
2024	176	53	194	8	119	671	325	105	104	907	340	3,002
2025	181	53	195	8	120	676	327	108	107	933	294	3,002

### Forecast of Reductions in Coincident Summer Peak Demand by Zone - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2015	5	2	5	1	3	15	10	2	1	10	11	65
2016	12	3	12	1	7	34	22	4	2	19	79	195
2017	18	5	18	1	10	53	32	6	4	33	101	281
2018	25	7	25	1	15	77	44	8	7	52	112	373
2019	33	9	33	2	19	103	56	11	10	77	112	465
2020	39	11	39	2	23	128	66	16	13	105	111	553
2021	44	13	45	2	27	147	73	20	18	145	111	645
2022	46	14	48	2	29	160	78	23	23	184	111	718
2023	47	14	50	2	30	168	81	25	26	209	111	763
2024	48	14	51	2	31	173	82	26	28	224	110	789
2025	49	14	51	2	32	176	83	27	29	232	104	799

### Forecast of Reductions in Coincident Winter Peak Demand by Zone - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2015-16	0	0	0	0	0	0	0	0	0	0	0	0
2016-17	0	0	0	0	0	0	0	0	0	0	0	0
2017-18	0	0	0	0	0	0	0	0	0	0	0	0
2018-19	0	0	0	0	0	0	0	0	0	0	0	0
2019-20	0	0	0	0	0	0	0	0	0	0	0	0
2020-21	0	0	0	0	0	0	0	0	0	0	0	0
2021-22	0	0	0	0	0	0	0	0	0	0	0	0
2022-23	0	0	0	0	0	0	0	0	0	0	0	0
2023-24	0	0	0	0	0	0	0	0	0	0	0	0
2024-25	0	0	0	0	0	0	0	0	0	0	0	0
2025-26	0	0	0	0	0	0	0	0	0	0	0	0

The winter coincident peak for Behind-the-Meter SPV is zero because the peak typically occurs after sunset.

**Table I-3a: Econometric Forecast of Annual Energy & Peak Demand**  
*Prior to Impacts of Energy Saving Programs & Behind-the-Meter Generation*

**Forecast of Annual Energy by Zone - GWh**

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2015	16,021	9,992	16,447	4,640	8,213	12,248	10,008	2,975	6,100	53,349	22,355	162,348
2016	16,285	10,117	16,681	4,676	8,354	12,470	10,162	3,006	6,152	53,818	22,892	164,613
2017	16,407	10,182	16,843	4,684	8,450	12,633	10,248	3,013	6,166	53,934	23,240	165,800
2018	16,490	10,220	16,941	4,698	8,530	12,754	10,293	3,026	6,195	54,176	23,554	166,877
2019	16,550	10,249	17,021	5,685	8,598	12,861	10,313	3,032	6,210	54,309	23,842	168,670
2020	16,646	10,291	17,127	6,671	8,693	12,986	10,350	3,041	6,216	54,373	24,164	170,558
2021	16,649	10,285	17,156	6,678	8,743	13,032	10,340	3,039	6,230	54,483	24,563	171,198
2022	16,688	10,295	17,214	6,684	8,804	13,098	10,344	3,045	6,242	54,593	24,980	171,987
2023	16,720	10,303	17,262	6,690	8,856	13,154	10,343	3,047	6,255	54,705	25,410	172,745
2024	16,792	10,328	17,341	6,693	8,945	13,240	10,360	3,052	6,269	54,816	25,919	173,755
2025	16,775	10,308	17,346	6,699	8,976	13,253	10,332	3,054	6,281	54,925	26,280	174,229

**Forecast of Coincident Summer Peak Demand by Zone - MW**

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2015	2,664	2,062	2,970	554	1,417	2,418	2,279	650	1,487	11,875	5,521	33,897
2016	2,697	2,084	3,010	557	1,436	2,468	2,311	660	1,516	12,099	5,631	34,469
2017	2,732	2,112	3,053	558	1,462	2,514	2,338	669	1,537	12,276	5,726	34,977
2018	2,754	2,129	3,078	560	1,483	2,556	2,362	671	1,557	12,431	5,801	35,382
2019	2,776	2,145	3,101	679	1,504	2,602	2,387	672	1,572	12,549	5,876	35,863
2020	2,793	2,157	3,118	794	1,523	2,639	2,406	680	1,585	12,654	5,941	36,290
2021	2,810	2,170	3,139	797	1,543	2,670	2,421	685	1,601	12,787	6,049	36,672
2022	2,825	2,182	3,156	798	1,560	2,694	2,433	687	1,617	12,909	6,153	37,014
2023	2,838	2,191	3,171	798	1,575	2,712	2,443	690	1,632	13,024	6,259	37,333
2024	2,852	2,198	3,183	797	1,592	2,725	2,450	693	1,644	13,130	6,366	37,630
2025	2,871	2,211	3,203	800	1,611	2,743	2,458	695	1,659	13,234	6,472	37,957

**Forecast of Coincident Winter Peak Demand by Zone- MW**

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2015-16	2,380	1,558	2,700	661	1,354	1,952	1,558	544	925	7,494	3,612	24,738
2016-17	2,404	1,570	2,725	663	1,367	1,971	1,566	547	931	7,550	3,668	24,962
2017-18	2,421	1,582	2,753	666	1,382	1,992	1,575	550	933	7,563	3,714	25,131
2018-19	2,429	1,587	2,767	667	1,392	2,005	1,576	551	937	7,592	3,760	25,263
2019-20	2,438	1,592	2,781	809	1,403	2,022	1,579	552	938	7,602	3,802	25,518
2020-21	2,443	1,594	2,791	946	1,413	2,034	1,579	552	938	7,596	3,870	25,756
2021-22	2,450	1,597	2,803	950	1,424	2,045	1,580	551	938	7,594	3,936	25,868
2022-23	2,454	1,600	2,813	950	1,434	2,054	1,580	552	939	7,602	4,003	25,981
2023-24	2,459	1,601	2,822	951	1,442	2,062	1,579	552	941	7,618	4,071	26,098
2024-25	2,462	1,602	2,828	949	1,453	2,070	1,577	552	943	7,636	4,137	26,209
2025-26	2,470	1,606	2,841	953	1,464	2,082	1,578	554	946	7,658	4,201	26,353



**Table I-3b: Econometric Forecast of Zonal Non-Coincident Peak Demand**  
*Prior to Impacts of Energy Saving Programs & Behind-the-Meter Generation*

**Forecast of Non-Coincident Summer Peak Demand by Zone - MW**

Year	A	B	C	D	E	F	G	H	I	J	K
2015	2,703	2,093	3,000	609	1,440	2,440	2,304	657	1,503	12,006	5,596
2016	2,736	2,115	3,040	613	1,460	2,490	2,336	667	1,533	12,232	5,706
2017	2,772	2,144	3,084	614	1,486	2,537	2,364	676	1,554	12,411	5,800
2018	2,794	2,161	3,109	616	1,507	2,579	2,388	678	1,574	12,568	5,875
2019	2,816	2,177	3,132	747	1,529	2,625	2,413	679	1,589	12,687	5,949
2020	2,833	2,189	3,149	873	1,548	2,663	2,432	687	1,602	12,793	6,016
2021	2,851	2,203	3,170	877	1,568	2,694	2,448	693	1,619	12,928	6,123
2022	2,866	2,215	3,188	878	1,586	2,718	2,460	695	1,635	13,051	6,228
2023	2,879	2,224	3,203	878	1,601	2,736	2,470	698	1,650	13,167	6,335
2024	2,893	2,231	3,215	877	1,618	2,750	2,477	701	1,662	13,274	6,444
2025	2,913	2,244	3,235	880	1,638	2,768	2,485	703	1,677	13,380	6,550

**Forecast of Non-Coincident Winter Peak Demand by Zone - MW**

Year	A	B	C	D	E	F	G	H	I	J	K
2015-16	2,415	1,569	2,700	668	1,381	1,959	1,558	545	930	7,584	3,660
2016-17	2,439	1,581	2,725	670	1,394	1,978	1,566	548	936	7,641	3,717
2017-18	2,456	1,593	2,753	673	1,410	1,999	1,575	551	938	7,654	3,763
2018-19	2,464	1,598	2,767	674	1,420	2,012	1,576	552	942	7,683	3,809
2019-20	2,473	1,603	2,781	817	1,431	2,029	1,579	553	943	7,693	3,852
2020-21	2,478	1,605	2,791	955	1,441	2,041	1,579	553	943	7,687	3,920
2021-22	2,486	1,608	2,803	960	1,452	2,052	1,580	552	943	7,685	3,986
2022-23	2,490	1,611	2,813	960	1,463	2,061	1,580	553	944	7,693	4,053
2023-24	2,495	1,612	2,822	961	1,471	2,069	1,579	553	946	7,709	4,122
2024-25	2,498	1,613	2,828	958	1,482	2,077	1,577	553	948	7,728	4,189
2025-26	2,506	1,617	2,841	963	1,493	2,089	1,578	555	951	7,750	4,256

**Table I-4a: Historic Energy Usage and Coincident Peaks**

**Historic Annual Energy by Zone - GWh**

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2005	16,498	10,227	17,568	6,593	7,594	11,789	10,924	2,625	6,435	54,007	22,948	167,208
2006	15,998	10,003	16,839	6,289	7,339	11,337	10,417	2,461	6,274	53,096	22,185	162,238
2007	16,258	10,207	17,028	6,641	7,837	11,917	10,909	2,702	6,344	54,750	22,748	167,341
2008	15,835	10,089	16,721	6,734	7,856	11,595	10,607	2,935	5,944	54,835	22,461	165,612
2009	15,149	9,860	15,949	5,140	7,893	10,991	10,189	2,917	5,700	53,100	21,892	158,780
2010	15,903	10,128	16,209	4,312	7,906	11,394	10,384	2,969	6,264	55,114	22,922	163,505
2011	16,017	10,040	16,167	5,903	7,752	11,435	10,066	2,978	6,208	54,059	22,704	163,329
2012	15,595	10,009	16,117	6,574	7,943	11,846	9,938	2,930	6,099	53,487	22,302	162,840
2013	15,790	9,981	16,368	6,448	8,312	12,030	9,965	2,986	6,204	53,316	22,114	163,514
2014	15,890	9,902	16,347	4,835	8,158	12,010	9,834	2,886	6,088	52,541	21,568	160,059

**Historic Summer Coincident Peak Demand by Zone - MW**

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2005	2,726	1,923	2,897	768	1,314	2,164	2,236	592	1,409	10,810	5,236	32,075
2006	2,735	2,110	3,128	767	1,435	2,380	2,436	596	1,467	11,300	5,585	33,939
2007	2,592	1,860	2,786	795	1,257	2,185	2,316	595	1,438	10,970	5,375	32,169
2008	2,611	2,001	2,939	801	1,268	2,270	2,277	657	1,399	10,979	5,231	32,433
2009	2,595	1,939	2,780	536	1,351	2,181	2,159	596	1,279	10,366	5,063	30,845
2010	2,663	1,985	2,846	552	1,437	2,339	2,399	700	1,487	11,213	5,832	33,453
2011	2,556	2,019	2,872	776	1,447	2,233	2,415	730	1,510	11,374	5,935	33,867
2012	2,743	2,107	2,888	774	1,420	2,388	2,242	653	1,393	10,722	5,109	32,439
2013	2,549	2,030	2,921	819	1,540	2,392	2,358	721	1,517	11,456	5,653	33,956
2014	2,227	1,617	2,574	527	1,267	2,033	2,036	584	1,333	10,567	5,017	29,782

**Historic Winter Coincident Peak Demand by Zone - MW**

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2005-06	2,450	1,544	2,700	890	1,266	1,886	1,663	515	955	7,497	3,581	24,947
2006-07	2,382	1,566	2,755	921	1,274	1,888	1,638	504	944	7,680	3,505	25,057
2007-08	2,336	1,536	2,621	936	1,312	1,886	1,727	524	904	7,643	3,596	25,021
2008-09	2,274	1,567	2,533	930	1,289	1,771	1,634	529	884	7,692	3,570	24,673
2009-10	2,330	1,555	2,558	648	1,289	1,788	1,527	561	813	7,562	3,443	24,074
2010-11	2,413	1,606	2,657	645	1,296	1,825	1,586	526	927	7,661	3,512	24,654
2011-12	2,220	1,535	2,532	904	1,243	1,765	1,618	490	893	7,323	3,378	23,901
2012-13	2,343	1,568	2,672	954	1,348	1,923	1,539	510	947	7,456	3,399	24,658
2013-14	2,358	1,645	2,781	848	1,415	1,989	1,700	625	974	7,810	3,594	25,738
2014-15	2,419	1,617	2,689	725	1,339	1,925	1,556	537	954	7,481	3,406	24,648

**Table I-4b: Historic Zonal Non-Coincident Peaks**

**Historic Summer Non-Coincident Peak Demand by Zone - MW**

Year	A	B	C	D	E	F	G	H	I	J	K
2005	2,787	2,037	3,042	823	1,360	2,254	2,296	632	1,492	11,162	5,295
2006	2,786	2,144	3,153	845	1,435	2,380	2,497	627	1,545	11,350	5,752
2007	2,738	2,015	2,888	829	1,349	2,301	2,316	607	1,438	10,971	5,396
2008	2,611	2,001	2,939	875	1,388	2,302	2,344	665	1,441	11,262	5,281
2009	2,608	1,939	2,780	721	1,420	2,188	2,178	600	1,323	10,661	5,194
2010	2,768	2,075	2,932	566	1,469	2,379	2,407	700	1,492	11,213	5,832
2011	2,921	2,199	3,042	811	1,519	2,425	2,415	730	1,512	11,424	5,935
2012	2,746	2,113	2,889	809	1,433	2,388	2,273	681	1,414	11,112	5,516
2013	2,821	2,103	2,998	822	1,559	2,423	2,367	721	1,517	11,456	5,747
2014	2,620	1,898	2,832	552	1,410	2,300	2,052	590	1,348	10,572	5,035

**Historic Winter Non-Coincident Peak Demand by Zone - MW**

Year	A	B	C	D	E	F	G	H	I	J	K
2005-06	2,450	1,546	2,700	912	1,266	2,196	1,663	541	1,058	7,668	3,584
2006-07	2,400	1,566	2,755	943	1,280	1,932	1,641	532	944	7,680	3,506
2007-08	2,370	1,573	2,621	936	1,312	1,886	1,727	556	955	7,761	3,596
2008-09	2,332	1,574	2,573	949	1,299	1,837	1,694	558	899	8,340	3,633
2009-10	2,363	1,584	2,558	657	1,377	1,804	1,599	578	954	7,612	3,528
2010-11	2,425	1,608	2,657	701	1,359	1,899	1,586	580	975	7,661	3,555
2011-12	2,241	1,542	2,532	906	1,309	1,792	1,618	542	893	7,532	3,412
2012-13	2,381	1,594	2,672	965	1,356	1,923	1,539	525	965	7,535	3,399
2013-14	2,430	1,654	2,781	899	1,424	1,998	1,700	625	978	7,896	3,594
2014-15	2,419	1,629	2,689	725	1,423	1,949	1,583	537	954	7,632	3,406

**Table I-4c: Historic Non-Coincident Peaks in G-J Locality**

**Historic G-J Locality Non-Coincident Summer Peak Demand by Zone - MW**

Year	G	H	I	J	G-J
2005	2,285	618	1,492	11,162	15,557
2006	2,497	624	1,509	11,350	15,980
2007	2,316	595	1,438	10,971	15,320
2008	2,338	661	1,441	11,262	15,702
2009	2,117	566	1,313	10,661	14,657
2010	2,399	700	1,487	11,213	15,799
2011	2,415	730	1,510	11,374	16,029
2012	2,273	657	1,414	11,098	15,442
2013	2,358	721	1,517	11,456	16,052
2014	2,046	585	1,348	10,572	14,551

**Historic G-J Locality Non-Coincident Winter Peak Demand by Zone - MW**

Year	G	H	I	J	G-J
2005-06	1,663	515	955	7,497	10,630
2006-07	1,638	504	944	7,680	10,766
2007-08	1,691	516	898	7,761	10,866
2008-09	1,694	465	899	8,340	11,398
2009-10	1,555	518	879	7,612	10,564
2010-11	1,586	526	927	7,661	10,700
2011-12	1,527	527	878	7,417	10,349
2012-13	1,539	510	947	7,456	10,452
2013-14	1,683	601	965	7,896	11,145
2014-15	1,500	515	941	7,632	10,588

**Table I-4d: Historic NYCA System Coincident Peaks**

**Summer Peak Dates & Times**

May 1 through October 31

Year	Date	Hour Ending	Summer Peak MW
1997	7/15/1997	15	28,699
1998	7/22/1998	17	28,161
1999	7/6/1999	14	30,311
2000	6/26/2000	17	28,138
2001	8/9/2001	15	30,982
2002	7/29/2002	17	30,664
2003	6/26/2003	17	30,333
2004	6/9/2004	17	28,433
2005	7/26/2005	17	32,075
2006	8/2/2006	14	33,939
2007	8/8/2007	17	32,169
2008	6/9/2008	17	32,432
2009	8/17/2009	16	30,844
2010	7/6/2010	17	33,452
2011	7/22/2011	16	33,865
2012	7/17/2012	17	32,439
2013	7/19/2013	17	33,956
2014	9/2/2014	16	29,782

**Winter Peak Dates & Times**

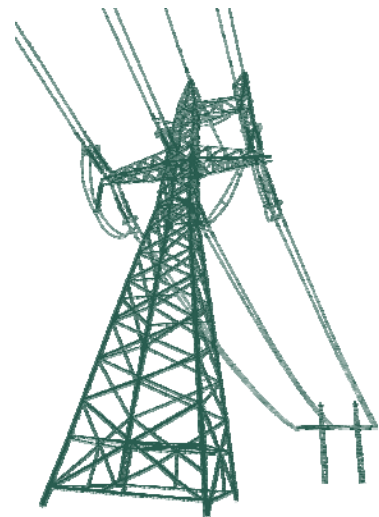
November 1 through following April 30

Year	Date	Hour Ending	Winter Peak MW
1997 - 08	12/10/1997	18	22,445
1998 - 09	1/14/1999	18	23,878
1999 - 00	1/18/2000	18	24,041
2000 - 01	12/13/2000	18	23,774
2001 - 02	4/18/2002	17	23,713
2002 - 03	1/23/2003	19	24,454
2003 - 04	1/15/2004	19	25,262
2004 - 05	12/20/2004	18	25,541
2005 - 06	12/14/2005	19	25,060
2006 - 07	2/5/2007	18	25,057
2007 - 08	1/3/2008	19	25,021
2008 - 09	12/22/2008	18	24,673
2009 - 10	12/17/2009	18	24,074
2010 - 11	12/14/2010	18	24,654
2011-12	1/3/2012	18	23,901
2012-13	1/24/2013	19	24,658
2013-14	1/7/2014	19	25,738
2014-15	1/7/2015	19	24,648

\* Record peaks are highlighted.

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**SECTION II:**  
CHANGES IN GENERATING FACILITIES &  
GENERATION SINCE THE 2014 *GOLD BOOK*



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## Section II

This section provides an overview of significant changes in generating facilities since the 2014 *Gold Book* was issued, together with a summary of changes in energy generation in the past year.

### **Changes in Existing Generation since the 2014 Gold Book**

The summer 2015 installed generating capacity of 38,665 MW in the NYCA is 687 MW more than the summer 2014 generating capacity of 37,978 MW, due to retirements, additions, and ratings changes (see Table II-1a).

**Table II-1a: Summary of Changes in Summer Capacity since 2014 – MW**

Generator Fuel Type	2014 Capacity	Retirements	Additions & Uprates	Reclassifications	Ratings Changes	2015 Capacity
Gas	3,226	-33	567	49	-28	3,781
Oil	2,563	0	0	0	97	2,660
Gas & Oil	17,627	0	167	-49	-61	17,684
Coal	1,495	0	0	0	-26	1,469
Nuclear	5,418	0	0	0	-18	5,400
Pumped Storage	1,406	0	0	0	1	1,407
Hydro	4,272	0	0	0	20	4,292
Wind	1,463	0	0	0	-2	1,461
Other	508	0	0	0	3	511
<b>Total</b>	<b>37,978</b>	<b>-33</b>	<b>734</b>	<b>0</b>	<b>-14</b>	<b>38,665</b>

The winter 2015 installed generating capacity of 41,013 MW in the NYCA is 791 MW more than the winter 2014 generating capacity of 40,222 MW, due to retirements, additions, and ratings changes (see Table II-1b).

Generating facilities totaling 33 MW of Summer Capability have either retired or provided notice of retirement since the publication of the 2014 report. Generator ratings are updated semi-annually for the Summer and Winter Capability periods. Additional information on existing generation is provided in Section III.

New units, units returning to service, or uprated generating facilities with Summer Capability of 734 MW have been added since the publication of the 2014 *Gold Book*. Ratings changes in existing generators resulted in a net decrease of 14 MW. The reclassification of units resulted in an increase of 49 MW in gas-only units with a corresponding decrease in dual fuel capability.

**Table II-1b: Summary of Changes in Winter Capacity since 2014 – MW**

Generator Fuel Type	2014 Capacity	Retirements	Additions & Uprates	Reclassifications	Ratings Changes	2015 Capacity
Gas	3,568	-38	521	50	-15	4,086
Oil	3,046	0	0	0	45	3,091
Gas & Oil	19,027	0	167	-50	139	19,283
Coal	1,485	0	0	0	-16	1,469
Nuclear	5,449	0	0	0	-9	5,440
Pumped Storage	1,409	0	0	0	0	1,409
Hydro	4,264	0	0	0	3	4,267
Wind	1,463	0	0	0	-2	1,461
Other	511	0	0	0	-4	507
Total	40,222	-38	688	0	141	41,013

The gas & oil fuel-type is identified based upon a determination of whether or not environmental permits, pipeline connections, and/or storage tanks, as appropriate, are in place to allow for the use of the Type 2 or Type 3 fuel listed for each generating unit in Table III-2. The fuel type selection is not meant to provide any information on current inventory. It must be noted that maximum capabilities on secondary fuels may be limited.

**Scheduled Changes to Generation after March 1, 2015 for the Summer of 2015**

Returning and exiting generation result in a net increase in capacity of 374 MW for summer 2015.

**Demand Response Resources for the Summer and Winter of 2015**

The projected 2015 Summer Capability for Special Case Resources is 1,124 MW. The projected 2015 enrollment for the Emergency Demand Response Program is 86 MW. For winter, the Special Case Resources total 885 MW and the Emergency Demand Response Program enrollment is 78 MW.

**Total Resource Capability for the Summer and Winter of 2015**

The Total Resource Capability projected for the 2015 Summer Capability period is 41,610 MW, which is comprised of the sum of existing facilities (38,665 MW), Special Case Resources (1,124 MW), Net Generation Additions (374 MW) and Net Purchases from external areas (1,446 MW). This is an increase of 312 MW from the 2014 value of 41,298 MW.

For the Winter Capability period, the projected Total Resource Capability is 42,610 MW, consisting of the sum of existing facilities (41,013 MW), Special Case Resources (885

MW), Net Generation Additions (374 MW), and Net Purchases from external areas (338 MW). This is an increase of 469 MW from the 2014 value of 42,141 MW.

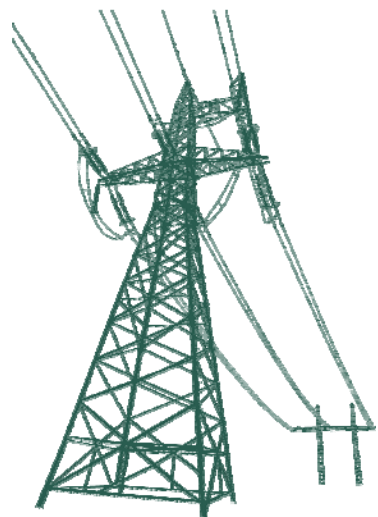
### **Summary of 2014 Electric Generation**

In 2014, a total of 143,738 GWh was generated in the state, an increase of 2.4% above 2013, during which 140,338 GWh was generated. Renewable energy generation was 35,756 GWh in 2014 (25% of total NYCA generation), as compared to 32,226 GWh in 2013 (23%). Fossil-fueled energy generation in 2014 was 64,941 GWh (45%), as compared to 63,356 GWh in 2013 (45%). Nuclear energy generation was 43,041 GWh in 2014 (30%), as compared to 44,756 GWh in 2013 (32%).

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**SECTION III:**  
**EXISTING GENERATING FACILITIES**  
**AS OF MARCH 15, 2015**



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### Section III

This section provides a detailed listing of all existing generating resources operating in the NYCA as of March 15, 2015. Table III-2 reports information on generator ownership, location, in-service date, fuels used, and generator type. Numerical values are provided for nameplate rating, summer Capacity Resource Interconnection Service (CRIS) MW, summer and winter capability, and net energy generated during the preceding calendar year. This table includes the NYISO summer CRIS values<sup>12</sup> for generators.

The values for the summer capability period in this *Gold Book* reflect the most recent DMNC values available. The 2015 summer Installed Capacity market will generally use DMNC values taken from the 2014 Summer Capability Period. The Winter Capability values represent the most recent DMNC values demonstrated during a Winter Capability Period. The 2015/2016 Winter Installed Capacity Market will generally use DMNC values taken from the 2014/2015 Winter Capability Period.

Units are classified as dual-fuel when there are adequate environmental permits, pipeline connections, and/or storage tanks, in place to allow for the use of Type 2 or Type 3 fuel listed for each generating unit in Table III-2. Generators may choose the fuel 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 might be considered as primary. The NYISO does not report the DMNC for alternate fuels since (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.

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<sup>12</sup> 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**

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

<u>COUNTY CODES</u> <u>NEW YORK - NY - 36</u>	
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

<u>COUNTY CODES</u> <u>PENNSYLVANIA - PA - 42</u>	
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 Northampton
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

<u>COUNTY CODES</u> <u>MASSACHUSETTS - MA - 25</u>
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

<u>COUNTY CODES</u> <u>NEW JERSEY - NJ - 34</u>
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-2: Existing Generating Facilities**

Owner, Operator, and/or Billing Organization	Station Unit	Zone	PTID	Location			In-Service Date YY-MM-DD	Name Plate Rating (V) (MW)	CRIS Sum Cap (A) (MW)	2015 Capability (B) (MW)		Co- Gen	Unit Type	Fuel (U)			2014 Net Energy (GWh)	Notes
				Town	Cnty	St				SUM	WIN			Type	Type	Type		
Albany Energy LLC	Albany LFGE	F	323615	Albany	001	36	1998-05-01	5.6	4.5	5.6	5.6	IC	MTE				24.3	
Astoria Energy II, LLC	Astoria Energy 2 - CC3	J	323677	Queens	081	36	2011-07-01	330.0	288.0	269.4	312.9	CC	NG	FO2			3,082.5	(G)
Astoria Energy II, LLC	Astoria Energy 2 - CC4	J	323678	Queens	081	36	2011-07-01	330.0	288.0	269.4	312.9	CC	NG	FO2				
Astoria Energy, LLC	Astoria East Energy - CC1	J	323581	Queens	081	36	2006-04-01	320.0	278.7	276.9	311.6	CC	NG	FO2			3,496.2	(G)
Astoria Energy, LLC	Astoria East Energy - CC2	J	323582	Queens	081	36	2006-04-01	320.0	278.7	276.9	311.6	CC	NG	FO2				
Astoria Generating Company L.P.	Astoria 2 (ReAct. - 12/31/14)	J	24149	Queens	081	36	1954-03-01	180.0	177.0	167.9	166.6	ST	NG				2.4	(D) (1)
Astoria Generating Company L.P.	Astoria 3	J	23516	Queens	081	36	1958-09-01	376.0	369.9	376.0	376.4	ST	FO6	NG			188.8	
Astoria Generating Company L.P.	Astoria 5	J	23518	Queens	081	36	1962-05-01	387.0	376.3	381.0	380.6	ST	FO6	NG			993.9	
Astoria Generating Company L.P.	Astoria GT 01	J	23523	Queens	081	36	1967-07-01	16.0	15.7	14.7	18.0	GT	NG				0.7	
Astoria Generating Company L.P.	Gowanus 1-1	J	24077	Brooklyn	047	36	1971-06-01	20.0	19.1	18.2	24.1	GT	FO2				0.1	
Astoria Generating Company L.P.	Gowanus 1-2	J	24078	Brooklyn	047	36	1971-06-01	20.0	17.1	18.5	21.3	GT	FO2				0.2	
Astoria Generating Company L.P.	Gowanus 1-3	J	24079	Brooklyn	047	36	1971-06-01	20.0	17.2	16.3	21.9	GT	FO2				0.2	
Astoria Generating Company L.P.	Gowanus 1-4	J	24080	Brooklyn	047	36	1971-06-01	20.0	17.1	16.0	21.3	GT	FO2				0.1	
Astoria Generating Company L.P.	Gowanus 1-5	J	24084	Brooklyn	047	36	1971-06-01	20.0	16.5	16.1	22.4	GT	FO2				0.2	
Astoria Generating Company L.P.	Gowanus 1-6	J	24111	Brooklyn	047	36	1971-06-01	20.0	18.0	15.6	21.8	GT	FO2				0.2	
Astoria Generating Company L.P.	Gowanus 1-7	J	24112	Brooklyn	047	36	1971-06-01	20.0	17.6	16.7	22.3	GT	FO2				0.2	
Astoria Generating Company L.P.	Gowanus 1-8	J	24113	Brooklyn	047	36	1971-06-01	20.0	16.1	14.6	19.9	GT	FO2				0.2	
Astoria Generating Company L.P.	Gowanus 2-1	J	24114	Brooklyn	047	36	1971-06-01	20.0	17.9	17.3	21.4	GT	FO2	NG			0.7	
Astoria Generating Company L.P.	Gowanus 2-2	J	24115	Brooklyn	047	36	1971-06-01	20.0	18.8	18.3	22.0	GT	FO2	NG			0.6	
Astoria Generating Company L.P.	Gowanus 2-3	J	24116	Brooklyn	047	36	1971-06-01	20.0	20.6	19.1	24.2	GT	FO2	NG			0.5	
Astoria Generating Company L.P.	Gowanus 2-4	J	24117	Brooklyn	047	36	1971-06-01	20.0	19.3	17.4	22.2	GT	FO2	NG			0.5	
Astoria Generating Company L.P.	Gowanus 2-5	J	24118	Brooklyn	047	36	1971-06-01	20.0	18.6	17.0	21.4	GT	FO2	NG			0.6	
Astoria Generating Company L.P.	Gowanus 2-6	J	24119	Brooklyn	047	36	1971-06-01	20.0	20.3	19.1	23.6	GT	FO2	NG			0.7	
Astoria Generating Company L.P.	Gowanus 2-7	J	24120	Brooklyn	047	36	1971-06-01	20.0	19.6	18.5	23.0	GT	FO2	NG			0.6	
Astoria Generating Company L.P.	Gowanus 2-8	J	24121	Brooklyn	047	36	1971-06-01	20.0	17.7	17.0	21.5	GT	FO2	NG			0.3	
Astoria Generating Company L.P.	Gowanus 3-1	J	24122	Brooklyn	047	36	1971-07-01	20.0	17.7	16.9	22.0	GT	FO2	NG			0.4	
Astoria Generating Company L.P.	Gowanus 3-2	J	24123	Brooklyn	047	36	1971-07-01	20.0	17.7	16.9	21.9	GT	FO2	NG			0.4	
Astoria Generating Company L.P.	Gowanus 3-3	J	24124	Brooklyn	047	36	1971-07-01	20.0	19.8	18.0	23.9	GT	FO2	NG			0.5	
Astoria Generating Company L.P.	Gowanus 3-4	J	24125	Brooklyn	047	36	1971-07-01	20.0	17.9	16.3	21.7	GT	FO2	NG			0.4	
Astoria Generating Company L.P.	Gowanus 3-5	J	24126	Brooklyn	047	36	1971-07-01	20.0	19.0	17.3	24.0	GT	FO2	NG			0.5	
Astoria Generating Company L.P.	Gowanus 3-6	J	24127	Brooklyn	047	36	1971-07-01	20.0	17.6	15.4	20.0	GT	FO2	NG			0.8	
Astoria Generating Company L.P.	Gowanus 3-7	J	24128	Brooklyn	047	36	1971-07-01	20.0	18.1	18.0	24.2	GT	FO2	NG			0.4	
Astoria Generating Company L.P.	Gowanus 3-8	J	24129	Brooklyn	047	36	1971-07-01	20.0	19.0	17.6	23.8	GT	FO2	NG			0.3	
Astoria Generating Company L.P.	Gowanus 4-1	J	24130	Brooklyn	047	36	1971-07-01	20.0	16.8	18.6	23.0	GT	FO2				0.2	
Astoria Generating Company L.P.	Gowanus 4-2	J	24131	Brooklyn	047	36	1971-07-01	20.0	17.3	17.4	20.9	GT	FO2				0.2	
Astoria Generating Company L.P.	Gowanus 4-3	J	24132	Brooklyn	047	36	1971-07-01	20.0	17.6	17.1	22.0	GT	FO2				0.2	
Astoria Generating Company L.P.	Gowanus 4-4	J	24133	Brooklyn	047	36	1971-07-01	20.0	17.1	16.5	21.5	GT	FO2				0.1	
Astoria Generating Company L.P.	Gowanus 4-5	J	24134	Brooklyn	047	36	1971-07-01	20.0	17.1	16.2	21.2	GT	FO2				0.2	

**TABLE III-2 (cont'd)**  
Existing Generating Facilities

Owner, Operator, and/or Billing Organization	Station Unit	Zone	PTID	Location			In-Service Date YY-MM-DD	Name Plate Rating (V) (MW)	CRIS Sum Cap (A) (MW)	2015 Capability (B) (MW)		Co- Gen	Unit Type	Fuel (U)			2014 Net Energy (GWh)	Notes
				Town	Cnty	St				SUM	WIN			Type 1	Type 2	Type 3		
Astoria Generating Company L.P.	Gowanus 4-6	J	24135	Brooklyn	047	36	1971-07-01	20.0	18.6	18.0	22.9	GT	FO2			0.2		
Astoria Generating Company L.P.	Gowanus 4-7	J	24136	Brooklyn	047	36	1971-07-01	20.0	16.6	16.4	21.3	GT	FO2			0.1		
Astoria Generating Company L.P.	Gowanus 4-8	J	24137	Brooklyn	047	36	1971-07-01	20.0	19.0	17.0	22.1	GT	FO2			0.2		
Astoria Generating Company L.P.	Narrows 1-1	J	24228	Brooklyn	047	36	1972-05-01	22.0	21.0	19.2	23.6	GT	KER	NG		2.4		
Astoria Generating Company L.P.	Narrows 1-2	J	24229	Brooklyn	047	36	1972-05-01	22.0	19.5	17.2	22.2	GT	KER	NG		2.0		
Astoria Generating Company L.P.	Narrows 1-3	J	24230	Brooklyn	047	36	1972-05-01	22.0	20.4	18.2	23.3	GT	KER	NG		2.1		
Astoria Generating Company L.P.	Narrows 1-4	J	24231	Brooklyn	047	36	1972-05-01	22.0	20.1	19.2	24.2	GT	KER	NG		1.7		
Astoria Generating Company L.P.	Narrows 1-5	J	24232	Brooklyn	047	36	1972-05-01	22.0	19.8	18.5	24.5	GT	KER	NG		1.4		
Astoria Generating Company L.P.	Narrows 1-6	J	24233	Brooklyn	047	36	1972-05-01	22.0	18.9	16.1	21.7	GT	KER	NG		1.4		
Astoria Generating Company L.P.	Narrows 1-7	J	24234	Brooklyn	047	36	1972-05-01	22.0	18.4	16.2	21.7	GT	KER	NG		1.8		
Astoria Generating Company L.P.	Narrows 1-8	J	24235	Brooklyn	047	36	1972-05-01	22.0	19.9	17.2	22.6	GT	KER	NG		1.3		
Astoria Generating Company L.P.	Narrows 2-1	J	24236	Brooklyn	047	36	1972-06-01	22.0	19.4	19.0	24.0	GT	KER	NG		2.1		
Astoria Generating Company L.P.	Narrows 2-2	J	24237	Brooklyn	047	36	1972-06-01	22.0	18.7	17.2	21.0	GT	KER	NG		1.4		
Astoria Generating Company L.P.	Narrows 2-3	J	24238	Brooklyn	047	36	1972-06-01	22.0	18.4	18.1	22.0	GT	KER	NG		1.4		
Astoria Generating Company L.P.	Narrows 2-4	J	24239	Brooklyn	047	36	1972-06-01	22.0	18.4	18.4	21.9	GT	KER	NG		1.7		
Astoria Generating Company L.P.	Narrows 2-5	J	24240	Brooklyn	047	36	1972-06-01	22.0	19.9	17.9	22.8	GT	KER	NG		1.4		
Astoria Generating Company L.P.	Narrows 2-6	J	24241	Brooklyn	047	36	1972-06-01	22.0	18.1	15.8	20.7	GT	KER	NG		1.3		
Astoria Generating Company L.P.	Narrows 2-7	J	24242	Brooklyn	047	36	1972-06-01	22.0	20.7	18.7	23.8	GT	KER	NG		1.4		
Astoria Generating Company L.P.	Narrows 2-8	J	24243	Brooklyn	047	36	1972-06-01	22.0	17.5	16.5	20.8	GT	KER	NG		1.3		
Athens Generating Company, LP	Athens 1	F	23668	Athens	039	36	2004-05-01	441.0	316.6	321.2	398.2	CC	NG	FO2		1,056.8		
Athens Generating Company, LP	Athens 2	F	23670	Athens	039	36	2004-05-01	441.0	315.6	315.5	398.7	CC	NG	FO2		757.8		
Athens Generating Company, LP	Athens 3	F	23677	Athens	039	36	2004-05-01	441.0	312.8	313.2	389.3	CC	NG	FO2		844.7		
Bayonne Energy Center, LLC	Bayonne EC CTG1	J	323682	Bayonne NJ	017	34	2012-06-01	64.0	64.0	58.9	62.9	JE	NG	KER		152.1		
Bayonne Energy Center, LLC	Bayonne EC CTG2	J	323683	Bayonne NJ	017	34	2012-06-01	64.0	64.0	59.0	62.8	JE	NG	KER		182.2		
Bayonne Energy Center, LLC	Bayonne EC CTG3	J	323684	Bayonne NJ	017	34	2012-06-01	64.0	64.0	56.4	62.9	JE	NG	KER		154.7		
Bayonne Energy Center, LLC	Bayonne EC CTG4	J	323685	Bayonne NJ	017	34	2012-06-01	64.0	64.0	56.3	62.8	JE	NG	KER		152.2		
Bayonne Energy Center, LLC	Bayonne EC CTG5	J	323686	Bayonne NJ	017	34	2012-06-01	64.0	64.0	57.0	62.8	JE	NG	KER		149.2		
Bayonne Energy Center, LLC	Bayonne EC CTG6	J	323687	Bayonne NJ	017	34	2012-06-01	64.0	64.0	55.5	62.8	JE	NG	KER		180.6		
Bayonne Energy Center, LLC	Bayonne EC CTG7	J	323688	Bayonne NJ	017	34	2012-06-01	64.0	64.0	57.6	62.9	JE	NG	KER		160.1		
Bayonne Energy Center, LLC	Bayonne EC CTG8	J	323689	Bayonne NJ	017	34	2012-06-01	64.0	64.0	58.9	62.7	JE	NG	KER		169.3		
Binghamton BOP, LLC	Binghamton (ReAct. - 12/16/14)	C	23790	Binghamton	007	36	2001-03-01	47.7	43.8	45.1	46.9	Yes	CC	NG	KER	0.5	(D) (2)	
Borex Hydro Operations Inc	Fourth Branch	F	23824	Waterford	091	36	1987-12-01	3.3	3.5	3.3	3.3	HY	WAT			16.6		
Borex Hydro Operations Inc	NYS Dam	F	23527	Waterford	091	36	1990-12-01	11.4	11.3	11.4	11.4	HY	WAT			53.1		
Borex Hydro Operations Inc	Sissonville	E	23735	Potsdam	089	36	1990-08-01	3.1	3.0	3.1	3.1	HY	WAT			14.6		
Borex Hydro Operations Inc	Warrensburg	F	23737	Warrensburg	113	36	1988-12-01	2.9	3.0	2.9	2.9	HY	WAT			11.8		
Calpine Energy Services LP	Bethpage	K	23823	Hicksville	059	36	1989-09-01	83.6	54.9	50.0	56.7	CC	NG			295.2		
Calpine Energy Services LP	Bethpage GT4	K	323586	Hicksville	059	36	2002-07-01	60.0	48.2	44.3	46.6	GT	NG			123.6		
Calpine Energy Services LP	KIAC_JFK_GT1	J	23816	Jamaica	081	36	1995-02-01	60.6	58.7	59.9	60.4	YES	CC	NG	FO2	734.3	(G)	

**TABLE III-2 (cont'd)**  
Existing Generating Facilities

Owner, Operator, and/or Billing Organization	Station Unit	Zone	PTID	Location			In-Service Date YY-MM-DD	Name Plate Rating (V) (MW)	CRIS Sum Cap (A) (MW)	2015 Capability (B) (MW)		Co- Gen	Unit Type	Fuel (U)			2014 Net Energy (GWh)	Notes
				Town	Cnty	St				SUM	WIN			Type	Type	Type		
Calpine Energy Services LP	KIAC_JFK_GT2	J	23817	Jamaica	081	36	1995-02-01	60.6	58.3	59.7	61.2	YES	CC	NG	FO2			
Canandaigua Power Partners, LLC	Canandaigua Wind Power	C	323617	Avoca	101	36	2008-12-05	125.0	125.0	125.0	125.0		WT	WND			259.5	
Canastota Windpower LLC	Fenner Wind Power	C	24204	Fenner	053	36	2001-12-01	30.0	0.0	0.0	0.0		WT	WND			66.8	
Carr Street Generating Station LP	Carr St.-E. Syr	C	24060	Dewitt	067	36	1993-08-01	122.6	89.0	83.2	105.1		CC	NG	FO2		97.7	
Castleton Power, LLC	Castleton Energy Center	F	23900	Castleton	083	36	1992-01-01	72.0	67.0	60.0	72.0		CC	NG	FO2		229.4	
Cayuga Operating Company, LLC	Cayuga 1	C	23584	Lansing	109	36	1955-09-01	155.3	154.1	153.3	153.7		ST	BIT			408.8 (S)	
Cayuga Operating Company, LLC	Cayuga 2	C	23585	Lansing	109	36	1958-10-01	167.2	154.7	151.0	153.6		ST	BIT			507.4 (S)	
Cayuga Operating Company, LLC	Cayuga IC 1	C	23629	Lansing	109	36	1967-08-01	2.8	0.0	0.0	0.0		IC	FO2				
Cayuga Operating Company, LLC	Cayuga IC 2	C	23629	Lansing	109	36	1967-08-01	2.8	0.0	0.0	0.0		IC	FO2				
Central Hudson Gas & Elec. Corp.	Coxsackie GT	G	23611	Coxsackie	039	36	1969-12-01	21.6	19.9	19.0	23.3		GT	KER	NG		0.3	
Central Hudson Gas & Elec. Corp.	Dashville 1	G	23610	Rifton	111	36	1920-01-01	2.4	2.7	0.0	0.0		HY	WAT				
Central Hudson Gas & Elec. Corp.	Dashville 2	G	23610	Rifton	111	36	1920-01-01	2.4	2.7	0.0	0.0		HY	WAT				
Central Hudson Gas & Elec. Corp.	DCRRA	G	23765	Poughkeepsie	027	36	1987-09-01	9.2	8.8	7.7	7.4		ST	REF			43.2	
Central Hudson Gas & Elec. Corp.	High Falls	G	23754	Marbletown	111	36	1986-12-01	3.2	3.0	0.0	0.0		HY	WAT				
Central Hudson Gas & Elec. Corp.	Milpond	G	5004	Catskill	039	36	1993-12-01	0.9		0.0	0.0		HY	WAT				
Central Hudson Gas & Elec. Corp.	Montgomery West	G	5005	Montgomery	071	36	1985-11-01	0.2		0.0	0.0		HY	WAT				
Central Hudson Gas & Elec. Corp.	Salisbury Mills	G	5006	Salisbury Mills	071	36	1986-12-01	0.5		0.0	0.0		HY	WAT				
Central Hudson Gas & Elec. Corp.	South Cairo	G	23612	Cairo	039	36	1970-06-01	21.6	17.8	18.2	23.3		GT	KER			0.1	
Central Hudson Gas & Elec. Corp.	Sturgeon 1	G	23609	Rifton	111	36	1924-01-01	4.8	5.0	0.0	0.0		HY	WAT				
Central Hudson Gas & Elec. Corp.	Sturgeon 2	G	23609	Rifton	111	36	1924-01-01	4.8	5.8	0.0	0.0		HY	WAT				
Central Hudson Gas & Elec. Corp.	Sturgeon 3	G	23609	Rifton	111	36	1924-01-01	4.8	5.0	0.0	0.0		HY	WAT				
Central Hudson Gas & Elec. Corp.	Walkkill	G	5007	Shawangunk	111	36	1986-12-01	0.5		0.0	0.0		HY	WAT				
Central Hudson Gas & Elec. Corp.	Wappingers Falls	G	23765	Wappingers	027	36	1988-12-01	2.0	2.0	2.0	2.0		HY	WAT			8.8	
CHI Energy Inc	Goodyear Lake	E	323669	Milford	077	36	1980-07-01	1.4	1.4	0.0	0.0		HY	WAT			4.3	
Consolidated Edison Co. of NY, Inc.	59 St. GT 1	J	24138	Manhattan	061	36	1969-06-01	17.1	15.4	15.1	20.7		GT	KER	NG		0.3	
Consolidated Edison Co. of NY, Inc.	74 St. GT 1	J	24260	Manhattan	061	36	1968-10-01	18.5	19.0	17.7	17.9		GT	KER			0.2	
Consolidated Edison Co. of NY, Inc.	74 St. GT 2	J	24261	Manhattan	061	36	1968-10-01	18.5	20.1	17.4	20.1		GT	KER			0.5	
Consolidated Edison Co. of NY, Inc.	Brooklyn Navy Yard	J	23515	Brooklyn	047	36	1996-11-01	322.0	266.9	261.5	296.1	YES	CC	NG	FO2		1,953.5	
Consolidated Edison Co. of NY, Inc.	East River 1	J	323558	Manhattan	061	36	2005-04-01	185.0	150.5	144.6	180.4		CC	NG	KER		1,058.1	
Consolidated Edison Co. of NY, Inc.	East River 2	J	323559	Manhattan	061	36	2005-04-05	185.0	152.4	144.8	181.8		CC	NG	KER		1,156.7	
Consolidated Edison Co. of NY, Inc.	East River 6	J	23660	Manhattan	061	36	1951-11-01	156.2	134.3	138.3	137.9	YES	ST	FO6	NG		431.5	
Consolidated Edison Co. of NY, Inc.	East River 7	J	23524	Manhattan	061	36	1955-06-01	200.0	184.7	183.6	185.0	YES	ST	FO6	NG		105.9	
Consolidated Edison Co. of NY, Inc.	Hudson Ave 3	J	23810	Brooklyn	047	36	1970-07-01	16.3	16.0	14.8	18.7		GT	KER			0.2	
Consolidated Edison Co. of NY, Inc.	Hudson Ave 4	J	23540	Brooklyn	047	36	1970-07-01	16.3	13.9	13.7	17.5		GT	KER			0.4	
Consolidated Edison Co. of NY, Inc.	Hudson Ave 5	J	23657	Brooklyn	047	36	1970-07-01	16.3	15.1	15.0	18.6		GT	KER			0.5	
Consolidated Edison Energy, Inc.	Broome 2 LFGE	C	323671	Binghamton	007	36	2013-01-31	1.6	1.6	1.6	1.6		IC	MTE			13.1	
Consolidated Edison Energy, Inc.	Massena	D	23902	Massena	089	36	1992-07-01	102.1	82.2	80.3	90.7		CC	NG	FO2		1.7	
Consolidated Edison Energy, Inc.	Rensselaer	F	23796	Rensselaer	083	36	1993-12-01	96.9	79.0	77.0	82.7		CC	NG	FO2		48.0	

**TABLE III-2 (cont'd)**  
Existing Generating Facilities

Owner, Operator, and / or Billing Organization	Station Unit	Zone	PTID	Location			In-Service Date YY-MM-DD	Name Plate Rating (V) (MW)	CRIS Sum Cap (A) (MW)	2015 Capability (B) (MW)		Co- Gen	Unit Type	Fuel (U)			2014 Net Energy (GWh)	Notes
				Town	Cnty	St				SUM	WIN			Type 1	Type 2	Type 3		
Consolidated Edison Energy, Inc.	Roseton 1	G	23587	Newburgh	071	36	1974-12-01	621.0	614.8	610.5	618.7	ST	FO6	NG	FO2	176.4		
Consolidated Edison Energy, Inc.	Roseton 2	G	23588	Newburgh	071	36	1974-09-01	621.0	605.7	597.0	587.2	ST	FO6	NG	FO2	202.0		
Consolidated Hydro New York, Inc.	Groveville Hydro	G	323602	Beacon	027	36	1983-12-01	0.9	0.9	0.0	0.0	HY	WAT			1.6		
Consolidated Hydro New York, Inc.	Walden Hydro	G	24148	Walden	071	36	1983-12-01	2.4	0.0	0.0	0.0	HY	WAT			3.0		
Covanta Niagara, LP	American Ref-Fuel 1	A	24010	Niagara	063	36	1993-05-01	25.0	19.6	18.4	17.5	YES	ST	REF			241.1	(G)
Covanta Niagara, LP	American Ref-Fuel 2	A	24010	Niagara	063	36	1993-05-01	25.0	19.6	18.4	17.5	YES	ST	REF				
Danskammer Energy, LLC	Danskammer 1 (ReAct. - 10/1/14)	G	23586	Newburgh	071	36	1951-12-01	72.0	67.0	60.7	60.7	ST	NG	FO6				(D)
Danskammer Energy, LLC	Danskammer 2 (ReAct. - 10/1/14)	G	23589	Newburgh	071	36	1954-09-01	73.5	62.7	59.5	59.5	ST	NG	FO6				(D)
Danskammer Energy, LLC	Danskammer 3 (ReAct. - 12/16/14)	G	23590	Newburgh	071	36	1959-10-01	147.1	137.2	137.5	137.5	ST	NG			1.2	(D) (3)	
Danskammer Energy, LLC	Danskammer 4 (ReAct. - 11/1/14)	G	23591	Newburgh	071	36	1967-09-01	239.4	236.2	232.0	178.7	ST	NG			3.1	(D) (4)	
Dynergy Danskammer, LLC	Danskammer 5	G	23592	Newburgh	071	36	1967-01-01	2.7	0.0	0.0	0.0	IC	FO2					
Dynergy Danskammer, LLC	Danskammer 6	G	23592	Newburgh	071	36	1967-01-01	2.7	0.0	0.0	0.0	IC	FO2					
Dynergy Marketing and Trade, LLC	Independence	C	23800	Scriba	075	36	1994-11-01	1,254.0	954.4	910.8	1,112.0	CC	NG			6,026.3		
Eagle Creek Hydro Power, LLC	Mongaup 1	G	23641	Forestburg	105	36	1923-07-01	1.0	0.9	1.0	1.0	HY	WAT			10.3	(G)	
Eagle Creek Hydro Power, LLC	Mongaup 2	G	23641	Forestburg	105	36	1923-07-01	1.0	1.0	1.0	1.0	HY	WAT					
Eagle Creek Hydro Power, LLC	Mongaup 3	G	23641	Forestburg	105	36	1923-07-01	1.0	1.0	1.0	1.0	HY	WAT					
Eagle Creek Hydro Power, LLC	Mongaup 4	G	23641	Forestburg	105	36	1926-01-01	1.0	1.0	1.0	1.0	HY	WAT					
Eagle Creek Hydro Power, LLC	Rio	G	23641	Glen Spey	105	36	1927-12-01	10.8	10.8	10.4	10.1	HY	WAT			23.0		
Eagle Creek Hydro Power, LLC	Swinging Bridge 2	G	23641	Forestburg	105	36	1930-02-01	7.0	7.9	6.6	6.5	HY	WAT			9.1		
East Coast Power, LLC	Linden Cogen	J	23786	Linden NJ	039	34	1992-05-01	1,034.9	755.3	757.8	800.0	YES	CC	NG	BUT	3,308.3		
Empire Generating Co, LLC	EMPIRE_CC_1	F	323656	Rensselaer	083	36	2010-09-02	335.0	294.2	287.3	335.9	CC	NG	FO2		1,357.3		
Empire Generating Co, LLC	EMPIRE_CC_2	F	323658	Rensselaer	083	36	2010-09-02	335.0	298.2	288.3	335.8	CC	NG	FO2		1,339.2		
Entergy Nuclear Power Marketing LLC	Fitzpatrick 1	C	23598	Scriba	075	36	1975-07-01	882.0	858.9	836.8	842.9	NB	UR			5,828.7		
Entergy Nuclear Power Marketing LLC	Indian Point 2	H	23530	Buchanan	119	36	1973-08-01	1,299.0	1,026.5	1,020.0	1,031.0	NP	UR			8,331.3		
Entergy Nuclear Power Marketing LLC	Indian Point 3	H	23531	Buchanan	119	36	1976-04-01	1,012.0	1,040.4	1,034.8	1,047.0	NP	UR			8,979.0		
Erie Blvd. Hydro - Beaver River	Belfort 1	E	24048	Belfort	049	36	1903-01-01	0.4	0.4	0.4	0.4	HY	WAT			238.6		
Erie Blvd. Hydro - Beaver River	Belfort 2	E	24048	Belfort	049	36	1915-01-01	0.6	0.6	0.6	0.6	HY	WAT			5.1		
Erie Blvd. Hydro - Beaver River	Belfort 3	E	24048	Belfort	049	36	1918-01-01	1.0	1.0	1.0	1.0	HY	WAT			5.2		
Erie Blvd. Hydro - Beaver River	Eagle 1	E	24048	Watson	049	36	1914-01-01	1.3	1.2	1.3	1.3	HY	WAT			10.2		
Erie Blvd. Hydro - Beaver River	Eagle 2	E	24048	Watson	049	36	1915-01-01	1.4	1.3	1.4	1.4	HY	WAT			9.0		
Erie Blvd. Hydro - Beaver River	Eagle 3	E	24048	Watson	049	36	1919-01-01	1.4	1.3	1.4	1.4	HY	WAT			7.0		
Erie Blvd. Hydro - Beaver River	Eagle 4	E	24048	Watson	049	36	1925-01-01	2.1	2.0	2.1	2.1	HY	WAT			12.2		
Erie Blvd. Hydro - Beaver River	Effley 1	E	24048	Belfort	049	36	1902-01-01	0.4	0.3	0.4	0.4	HY	WAT			2.6		
Erie Blvd. Hydro - Beaver River	Effley 2	E	24048	Belfort	049	36	1907-01-01	0.4	0.3	0.4	0.4	HY	WAT			2.2		
Erie Blvd. Hydro - Beaver River	Effley 3	E	24048	Belfort	049	36	1910-01-01	0.6	0.5	0.6	0.6	HY	WAT			4.3		
Erie Blvd. Hydro - Beaver River	Effley 4	E	24048	Belfort	049	36	1923-01-01	1.6	1.5	1.6	1.6	HY	WAT			9.2		
Erie Blvd. Hydro - Beaver River	Elmer 1	E	24048	Belfort	049	36	1916-01-01	0.8	0.9	0.8	0.8	HY	WAT			5.9		
Erie Blvd. Hydro - Beaver River	Elmer 2	E	24048	Belfort	049	36	1916-01-01	0.8	0.9	0.8	0.8	HY	WAT			7.4		

**TABLE III-2 (cont'd)**  
Existing Generating Facilities

Owner, Operator, and / or Billing Organization	Station Unit	Zone	PTID	Location			In-Service Date YY-MM-DD	Name Plate Rating (V) (MW)	CRIS Sum Cap (A) (MW)	2015 Capability (B) (MW)		Co- Gen Unit Type	Fuel (U)			2014 Net Energy (GWh)	Notes
				Town	Cnty	St				SUM	WIN		Type 1	Type 2	Type 3		
Erie Blvd. Hydro - Beaver River	High Falls 1	E	24048	Indian River	049	36	1925-01-01	1.6	1.9	1.6	1.6	HY	WAT		12.1		
Erie Blvd. Hydro - Beaver River	High Falls 2	E	24048	Indian River	049	36	1925-01-01	1.6	1.9	1.6	1.6	HY	WAT		9.4		
Erie Blvd. Hydro - Beaver River	High Falls 3	E	24048	Indian River	049	36	1925-01-01	1.6	1.9	1.6	1.6	HY	WAT		13.5		
Erie Blvd. Hydro - Beaver River	Moshier 1	E	24048	Belfort	043	36	1929-01-01	4.0	4.0	4.0	4.0	HY	WAT		28.5		
Erie Blvd. Hydro - Beaver River	Moshier 2	E	24048	Belfort	043	36	1929-01-01	4.0	4.0	4.0	4.0	HY	WAT		18.8		
Erie Blvd. Hydro - Beaver River	Soft Maple 1	E	24048	Croghan	049	36	1925-01-01	7.5	8.0	7.5	7.5	HY	WAT		37.6		
Erie Blvd. Hydro - Beaver River	Soft Maple 2	E	24048	Croghan	049	36	1925-01-01	7.5	8.0	7.5	7.5	HY	WAT		8.0		
Erie Blvd. Hydro - Beaver River	Taylorville 1	E	24048	Belfort	049	36	1913-01-01	1.1	1.0	1.1	1.1	HY	WAT		8.4		
Erie Blvd. Hydro - Beaver River	Taylorville 2	E	24048	Belfort	049	36	1913-01-01	1.1	1.0	1.1	1.1	HY	WAT		5.1		
Erie Blvd. Hydro - Beaver River	Taylorville 3	E	24048	Belfort	049	36	1913-01-01	1.1	1.0	1.1	1.1	HY	WAT		6.8		
Erie Blvd. Hydro - Beaver River	Taylorville 4	E	24048	Belfort	049	36	1927-01-01	1.2	1.1	1.2	1.2	HY	WAT		8.4		
Erie Blvd. Hydro - Black River	Beebee Island 1	E	24047	Watertown	045	36	1963-01-01	4.0	4.4	4.0	4.0	HY	WAT		186.7		
Erie Blvd. Hydro - Black River	Beebee Island 2	E	24047	Watertown	045	36	1968-01-01	4.0	4.4	4.0	4.0	HY	WAT		31.0		
Erie Blvd. Hydro - Black River	Black River 1	E	24047	Black River	045	36	1920-01-01	2.0	2.3	2.0	2.0	HY	WAT		10.8		
Erie Blvd. Hydro - Black River	Black River 2	E	24047	Black River	045	36	1920-01-01	2.0	2.3	2.0	2.0	HY	WAT		15.4		
Erie Blvd. Hydro - Black River	Black River 3	E	24047	Black River	045	36	1920-01-01	2.0	2.3	2.0	2.0	HY	WAT		7.7		
Erie Blvd. Hydro - Black River	Deferiet 1	E	24047	Deferiet	045	36	1925-01-01	3.6	3.7	3.6	3.6	HY	WAT		15.7		
Erie Blvd. Hydro - Black River	Deferiet 2	E	24047	Deferiet	045	36	1925-01-01	3.6	3.7	3.6	3.6	HY	WAT		29.9		
Erie Blvd. Hydro - Black River	Deferiet 3	E	24047	Deferiet	045	36	1925-01-01	3.6	3.7	3.6	3.6	HY	WAT		13.5		
Erie Blvd. Hydro - Black River	Herrings 1	E	24047	Herrings	045	36	1924-01-01	1.8	1.8	1.8	1.8	HY	WAT		4.5		
Erie Blvd. Hydro - Black River	Herrings 2	E	24047	Herrings	045	36	1924-01-01	1.8	1.8	1.8	1.8	HY	WAT		9.6		
Erie Blvd. Hydro - Black River	Herrings 3	E	24047	Herrings	045	36	1924-01-01	1.8	1.8	1.8	1.8	HY	WAT		4.0		
Erie Blvd. Hydro - Black River	Kamargo 1	E	24047	Black River	045	36	1921-01-01	1.8	1.8	1.8	1.8	HY	WAT		7.8		
Erie Blvd. Hydro - Black River	Kamargo 2	E	24047	Black River	045	36	1921-01-01	1.8	1.8	1.8	1.8	HY	WAT		12.8		
Erie Blvd. Hydro - Black River	Kamargo 3	E	24047	Black River	045	36	1921-01-01	1.8	1.8	1.8	1.8	HY	WAT		2.3		
Erie Blvd. Hydro - Black River	Sewalls 1	E	24047	Watertown	045	36	1925-01-01	1.0	1.1	1.0	1.0	HY	WAT		6.2		
Erie Blvd. Hydro - Black River	Sewalls 2	E	24047	Watertown	045	36	1925-01-01	1.0	1.1	1.0	1.0	HY	WAT		4.2		
Erie Blvd. Hydro - East Canada Capital	Beardslee 1	F	24051	Little Falls	043	36	1924-01-01	10.0	9.5	10.0	10.0	HY	WAT		63.8		
Erie Blvd. Hydro - East Canada Capital	Beardslee 2	F	24051	Little Falls	043	36	1924-01-01	10.0	9.5	10.0	10.0	HY	WAT		28.8		
Erie Blvd. Hydro - East Canada Capital	Ephratah 1	F	24051	Caroga Lake	035	36	1920-01-01	1.4	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	1.2	1.2	HY	WAT		0.5		
Erie Blvd. Hydro - East Canada Capital	Ephratah 3	F	24051	Caroga Lake	035	36	1911-01-01	1.3	0.0	0.0	0.0	HY	WAT		4.2		
Erie Blvd. Hydro - East Canada Capital	Ephratah 4	F	24051	Caroga Lake	035	36	1911-01-01	1.3	0.7	1.3	1.3	HY	WAT		7.6		
Erie Blvd. Hydro - East Canada Mohawk	Inghams 1	E	24050	Little Falls	043	36	1912-01-01	3.2	3.5	3.2	3.2	HY	WAT		27.8		
Erie Blvd. Hydro - East Canada Mohawk	Inghams 2	E	24050	Little Falls	043	36	1912-01-01	3.2	3.5	3.2	3.2	HY	WAT		16.5		
Erie Blvd. Hydro - Lower Hudson	Johnsonville 1	F	24059	Johnsonville	083	36	1909-01-01	1.2	1.3	1.2	1.2	HY	WAT		243.9		
Erie Blvd. Hydro - Lower Hudson	Johnsonville 2	F	24059	Johnsonville	083	36	1909-01-01	1.2	1.3	1.2	1.2	HY	WAT		6.8		
Erie Blvd. Hydro - Lower Hudson	Schaghticoke 1	F	24059	Schaghticoke	083	36	1908-01-01	3.3	4.1	3.3	3.3	HY	WAT		19.9		

**TABLE III-2 (cont'd)**  
Existing Generating Facilities

Owner, Operator, and / or Billing Organization	Station Unit	Zone	PTID	Location			In-Service Date YY-MM-DD	Name Plate Rating (V) (MW)	CRIS Sum Cap (A) (MW)	2015 Capability (B) (MW)		Co- Gen Unit Type	Fuel (U)			2014 Net Energy (GWh)	Notes
				Town	Cnty	St				SUM	WIN		Type 1	Type 2	Type 3		
Erie Blvd. Hydro - Lower Hudson	Schaghticoke 2	F	24059	Schaghticoke	083	36	1908-01-01	3.3	4.1	3.3	3.3	HY	WAT		8.5		
Erie Blvd. Hydro - Lower Hudson	Schaghticoke 3	F	24059	Schaghticoke	083	36	1908-01-01	3.3	4.1	3.3	3.3	HY	WAT		12.6		
Erie Blvd. Hydro - Lower Hudson	Schaghticoke 4	F	24059	Schaghticoke	083	36	1908-01-01	3.3	4.1	3.3	3.3	HY	WAT		16.4		
Erie Blvd. Hydro - Lower Hudson	School Street 1	F	24059	Cohoes	001	36	1974-01-01	7.2	6.9	7.2	7.2	HY	WAT		39.7		
Erie Blvd. Hydro - Lower Hudson	School Street 2	F	24059	Cohoes	001	36	1915-01-01	7.2	6.9	7.2	7.2	HY	WAT		40.2		
Erie Blvd. Hydro - Lower Hudson	School Street 3	F	24059	Cohoes	001	36	1915-01-01	7.2	6.9	7.2	7.2	HY	WAT		35.2		
Erie Blvd. Hydro - Lower Hudson	School Street 4	F	24059	Cohoes	001	36	1922-01-01	7.2	6.9	7.2	7.2	HY	WAT		31.8		
Erie Blvd. Hydro - Lower Hudson	School Street 5	F	24059	Cohoes	001	36	1924-01-01	10.0	9.6	10.0	10.0	HY	WAT		21.2		
Erie Blvd. Hydro - Lower Hudson	Schuylerville	F	24059	Schuylerville	091	36	1919-01-01	1.2	1.5	1.2	1.2	HY	WAT		7.3		
Erie Blvd. Hydro - Lower Raquette	Colton 1	E	24057	Colton	089	36	1962-01-01	10.0	10.0	10.0	10.0	HY	WAT		371.6		
Erie Blvd. Hydro - Lower Raquette	Colton 2	E	24057	Colton	089	36	1918-01-01	10.0	10.0	10.0	10.0	HY	WAT		56.5		
Erie Blvd. Hydro - Lower Raquette	Colton 3	E	24057	Colton	089	36	1928-01-01	10.0	10.0	10.0	10.0	HY	WAT		68.6		
Erie Blvd. Hydro - Lower Raquette	East Norfolk	E	24057	East Norfolk	089	36	1928-01-01	3.0	4.0	3.0	3.0	HY	WAT		24.9		
Erie Blvd. Hydro - Lower Raquette	Hannawa Falls 1	E	24057	Hannawa Falls	089	36	1914-01-01	3.6	3.7	3.6	3.6	HY	WAT		20.6		
Erie Blvd. Hydro - Lower Raquette	Hannawa Falls 2	E	24057	Hannawa Falls	089	36	1920-01-01	3.6	3.7	3.6	3.6	HY	WAT		26.4		
Erie Blvd. Hydro - Lower Raquette	Higley 1	E	24057	Colton	089	36	1913-01-01	1.2	1.1	1.2	1.2	HY	WAT		8.0		
Erie Blvd. Hydro - Lower Raquette	Higley 2	E	24057	Colton	089	36	1913-01-01	1.2	1.1	1.2	1.2	HY	WAT		7.9		
Erie Blvd. Hydro - Lower Raquette	Higley 3	E	24057	Colton	089	36	1943-01-01	2.1	2.0	2.1	2.1	HY	WAT		10.0		
Erie Blvd. Hydro - Lower Raquette	Higley 4	E	24057	Colton	089	36	1943-01-01	2.1	2.0	2.1	2.1	HY	WAT		7.5		
Erie Blvd. Hydro - Lower Raquette	Norfolk	E	24057	Norfolk	089	36	1928-01-01	4.5	4.8	4.5	4.5	HY	WAT		28.2		
Erie Blvd. Hydro - Lower Raquette	Norwood	E	24057	Norwood	089	36	1928-01-01	2.0	2.2	2.0	2.0	HY	WAT		13.6		
Erie Blvd. Hydro - Lower Raquette	Raymondville	E	24057	Raymondville	089	36	1928-01-01	2.0	2.1	2.0	2.0	HY	WAT		13.1		
Erie Blvd. Hydro - Lower Raquette	Sugar Island 1	E	24057	Potsdam	089	36	1924-01-01	2.6	2.1	2.6	2.6	HY	WAT		9.9		
Erie Blvd. Hydro - Lower Raquette	Sugar Island 2	E	24057	Potsdam	089	36	1924-01-01	2.4	2.0	2.4	2.4	HY	WAT		17.1		
Erie Blvd. Hydro - Lower Raquette	Yaleville 1	E	24057	Norwood	089	36	1940-01-01	0.5	0.2	0.5	0.5	HY	WAT		2.3		
Erie Blvd. Hydro - Lower Raquette	Yaleville 2	E	24057	Norwood	089	36	1940-01-01	0.2	0.3	0.2	0.2	HY	WAT		0.8		
Erie Blvd. Hydro - North Salmon	Allens Falls	D	24042	Allens Falls	089	36	1927-01-01	4.4	5.0	4.4	4.4	HY	WAT		75.4		
Erie Blvd. Hydro - North Salmon	Chasm 1	D	24042	Chateaugay	033	36	1913-01-01	1.0	1.1	1.0	1.0	HY	WAT		5.2		
Erie Blvd. Hydro - North Salmon	Chasm 2	D	24042	Chateaugay	033	36	1913-01-01	1.0	1.1	1.0	1.0	HY	WAT		2.8		
Erie Blvd. Hydro - North Salmon	Chasm 3	D	24042	Chateaugay	033	36	1926-01-01	1.4	1.6	1.4	1.4	HY	WAT		0.0		
Erie Blvd. Hydro - North Salmon	Franklin 1	D	24042	Franklin	033	36	1911-01-01	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	HY	WAT		3.6		
Erie Blvd. Hydro - North Salmon	Hogansburg	D	24042	Hogansburg	033	36	1930-01-01	0.7	0.3	0.7	0.7	HY	WAT		0.7		
Erie Blvd. Hydro - North Salmon	Macomb	D	24042	Malone	033	36	1940-01-01	1.0	0.9	1.0	1.0	HY	WAT		4.4		
Erie Blvd. Hydro - North Salmon	Parishville	D	24042	Parishville	089	36	1925-01-01	2.4	2.3	2.4	2.4	HY	WAT		14.1		
Erie Blvd. Hydro - North Salmon	Piercefield 1	D	24042	Piercefield	089	36	1957-01-01	1.5	1.6	1.5	1.5	HY	WAT		9.5		
Erie Blvd. Hydro - North Salmon	Piercefield 2	D	24042	Piercefield	089	36	1924-01-01	0.6	0.6	0.6	0.6	HY	WAT		3.6		
Erie Blvd. Hydro - North Salmon	Piercefield 3	D	24042	Piercefield	089	36	1924-01-01	0.6	0.6	0.6	0.6	HY	WAT		2.7		

**TABLE III-2 (cont'd)**  
Existing Generating Facilities

Owner, Operator, and / or Billing Organization	Station Unit	Zone	PTID	Location			In-Service Date YY-MM-DD	Name Plate Rating (V) (MW)	CRIS Sum Cap (A) (MW)	2015 Capability (B) (MW)		Co- Gen Unit Type	Fuel (U)			2014 Net Energy (GWh)	Notes
				Town	Cnty	St				SUM	WIN		Type 1	Type 2	Type 3		
Erie Blvd. Hydro - NYS Barge	Hydraulic Race	A	23848	Lockport	063	36	1942-01-01	4.7	3.1	4.7	4.7	HY	WAT			9.5	
Erie Blvd. Hydro - Oak Orchard	Glenwood 1	B	24046	Medina	073	36	1950-01-01	0.5	0.5	0.5	0.5	HY	WAT			21.6	
Erie Blvd. Hydro - Oak Orchard	Glenwood 2	B	24046	Medina	073	36	1950-01-01	0.5	0.5	0.5	0.5	HY	WAT			3.6	
Erie Blvd. Hydro - Oak Orchard	Glenwood 3	B	24046	Medina	073	36	1950-01-01	0.5	0.5	0.5	0.5	HY	WAT			0.0	
Erie Blvd. Hydro - Oak Orchard	Oak Orchard	B	24046	Waterport	073	36	1941-01-01	0.4	0.3	0.4	0.4	HY	WAT			1.1	
Erie Blvd. Hydro - Oak Orchard	Waterport 1	B	24046	Waterport	073	36	1941-01-01	2.3	1.6	2.3	2.3	HY	WAT			6.6	
Erie Blvd. Hydro - Oak Orchard	Waterport 2	B	24046	Waterport	073	36	1968-01-01	2.5	1.8	2.5	2.5	HY	WAT			7.8	
Erie Blvd. Hydro - Oswegatchie	Browns Falls 1	E	24044	Oswegatchie	089	36	1923-01-01	7.5	8.0	7.5	7.5	HY	WAT			131.1	
Erie Blvd. Hydro - Oswegatchie	Browns Falls 2	E	24044	Oswegatchie	089	36	1923-01-01	7.5	8.0	7.5	7.5	HY	WAT			23.6	
Erie Blvd. Hydro - Oswegatchie	Eel Weir 1	E	24044	Heuvelton	089	36	1928-01-01	0.5	0.3	0.5	0.5	HY	WAT			2.1	
Erie Blvd. Hydro - Oswegatchie	Eel Weir 2	E	24044	Heuvelton	089	36	1938-01-01	1.1	0.8	1.1	1.1	HY	WAT			2.7	
Erie Blvd. Hydro - Oswegatchie	Eel Weir 3	E	24044	Heuvelton	089	36	1938-01-01	1.1	0.8	1.1	1.1	HY	WAT			4.8	
Erie Blvd. Hydro - Oswegatchie	Flat Rock 1	E	24044	Flat Rock	089	36	1924-01-01	3.0	2.6	3.0	3.0	HY	WAT			12.9	
Erie Blvd. Hydro - Oswegatchie	Flat Rock 2	E	24044	Flat Rock	089	36	1924-01-01	3.0	2.6	3.0	3.0	HY	WAT			5.8	
Erie Blvd. Hydro - Oswegatchie	Heuvelton 1	E	24044	Heuvelton	089	36	1924-01-01	0.5	0.4	0.5	0.5	HY	WAT			2.5	
Erie Blvd. Hydro - Oswegatchie	Heuvelton 2	E	24044	Heuvelton	089	36	1924-01-01	0.5	0.4	0.5	0.5	HY	WAT			2.2	
Erie Blvd. Hydro - Oswegatchie	Lower Newton Falls 1	E	24044	Newton Falls	089	36	2002-07-01	0.5	0.6	0.5	0.5	HY	WAT			2.9	
Erie Blvd. Hydro - Oswegatchie	Oswegatchie 1	E	24044	Oswegatchie	089	36	1937-01-01	0.6	1.3	0.6	0.6	HY	WAT			5.3	
Erie Blvd. Hydro - Oswegatchie	Oswegatchie 2	E	24044	Oswegatchie	089	36	1937-01-01	0.2	0.5	0.2	0.2	HY	WAT			2.8	
Erie Blvd. Hydro - Oswegatchie	South Edwards 1	E	24044	South Edwards	089	36	1937-01-01	1.0	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	1.0	1.0	HY	WAT			5.1	
Erie Blvd. Hydro - Oswegatchie	South Edwards 3	E	24044	South Edwards	089	36	1921-01-01	0.7	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	HY	WAT			0.0	
Erie Blvd. Hydro - Oswegatchie	Talcville 1	E	24044	Edwards	089	36	1986-12-01	0.5	0.4	0.5	0.5	HY	WAT			3.1	
Erie Blvd. Hydro - Oswegatchie	Talcville 2	E	24044	Edwards	089	36	1986-12-01	0.5	0.4	0.5	0.5	HY	WAT			0.3	
Erie Blvd. Hydro - Oswegatchie	Upper Newton Falls 2	E	24044	Newton Falls	089	36	2002-07-01	0.5	0.4	0.5	0.5	HY	WAT			2.2	
Erie Blvd. Hydro - Oswegatchie	Upper Newton Falls 3	E	24044	Newton Falls	089	36	2002-07-01	0.5	0.4	0.5	0.5	HY	WAT			1.4	
Erie Blvd. Hydro - Oswegatchie	Upper Newton Falls 4	E	24044	Newton Falls	089	36	2002-07-01	0.5	0.4	0.5	0.5	HY	WAT			1.8	
Erie Blvd. Hydro - Seneca Oswego	Baldwinsville 1	C	24041	Baldwinsville	067	36	1927-01-01	0.3	0.2	0.3	0.3	HY	WAT			146.7	
Erie Blvd. Hydro - Seneca Oswego	Baldwinsville 2	C	24041	Baldwinsville	067	36	1927-01-01	0.3	0.2	0.3	0.3	HY	WAT			1.4	
Erie Blvd. Hydro - Seneca Oswego	Granby 1	C	24041	Granby	075	36	1983-05-01	5.0	5.1	5.2	5.2	HY	WAT			22.0	
Erie Blvd. Hydro - Seneca Oswego	Granby 2	C	24041	Granby	075	36	1983-05-01	5.0	5.1	5.2	5.2	HY	WAT			25.8	
Erie Blvd. Hydro - Seneca Oswego	Minetto 2	C	24041	Minetto	075	36	1915-01-01	1.6	1.5	1.7	1.7	HY	WAT			9.3	
Erie Blvd. Hydro - Seneca Oswego	Minetto 3	C	24041	Minetto	075	36	1915-01-01	1.6	1.5	1.7	1.7	HY	WAT			9.2	
Erie Blvd. Hydro - Seneca Oswego	Minetto 4	C	24041	Minetto	075	36	1915-01-01	1.6	1.5	1.7	1.7	HY	WAT			7.8	
Erie Blvd. Hydro - Seneca Oswego	Minetto 5	C	24041	Minetto	075	36	1975-01-01	1.6	1.5	1.7	1.7	HY	WAT			6.9	
Erie Blvd. Hydro - Seneca Oswego	Minetto 6	C	24041	Minetto	075	36	1975-01-01	1.6	1.5	1.7	1.7	HY	WAT			5.5	
Erie Blvd. Hydro - Seneca Oswego	Oswego Falls E 1	C	24041	Oswego	075	36	1914-01-01	1.5	1.5	1.6	1.6	HY	WAT			10.1	



**TABLE III-2 (cont'd)**  
Existing Generating Facilities

Owner, Operator, and / or Billing Organization	Station Unit	Zone	PTID	Location			In-Service Date YY-MM-DD	Name Plate Rating (V) (MW)	CRIS Sum Cap (A) (MW)	2015 Capability (B) (MW)		Co- Gen Unit Type	Fuel (U)			2014 Net Energy (GWh)	Notes
				Town	Cnty	St				SUM	WIN		Type 1	Type 2	Type 3		
Erie Blvd. Hydro - Seneca Oswego	Oswego Falls E 2	C	24041	Oswego	075	36	1914-01-01	1.5	1.5	1.6	1.6	HY	WAT		6.9		
Erie Blvd. Hydro - Seneca Oswego	Oswego Falls E 3	C	24041	Oswego	075	36	1914-01-01	1.5	1.5	1.6	1.6	HY	WAT		6.4		
Erie Blvd. Hydro - Seneca Oswego	Oswego Falls W 4	C	24041	Oswego	075	36	1914-01-01	0.9	1.0	0.9	0.9	HY	WAT		4.6		
Erie Blvd. Hydro - Seneca Oswego	Oswego Falls W 5	C	24041	Oswego	075	36	1914-01-01	0.9	1.0	0.9	0.9	HY	WAT		5.1		
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	HY	WAT		0.1		
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	HY	WAT		0.3		
Erie Blvd. Hydro - Seneca Oswego	Varick 2	C	24041	Oswego	075	36	1926-01-01	2.2	1.9	2.3	2.3	HY	WAT		9.9		
Erie Blvd. Hydro - Seneca Oswego	Varick 3	C	24041	Oswego	075	36	1926-01-01	2.2	2.1	2.3	2.3	HY	WAT		5.3		
Erie Blvd. Hydro - Seneca Oswego	Varick 4	C	24041	Oswego	075	36	1926-01-01	2.2	1.9	2.3	2.3	HY	WAT		6.5		
Erie Blvd. Hydro - Seneca Oswego	Varick 5	C	24041	Oswego	075	36	1926-01-01	2.2	1.9	2.3	2.3	HY	WAT		7.1		
Erie Blvd. Hydro - South Salmon	Bennetts Bridge 1	C	24043	Altmar	075	36	1964-01-01	6.4	7.0	6.4	6.4	HY	WAT		126.6		
Erie Blvd. Hydro - South Salmon	Bennetts Bridge 2	C	24043	Altmar	075	36	1966-01-01	6.4	7.0	6.4	6.4	HY	WAT		20.2		
Erie Blvd. Hydro - South Salmon	Bennetts Bridge 3	C	24043	Altmar	075	36	1970-01-01	7.0	7.7	7.0	7.0	HY	WAT		38.1		
Erie Blvd. Hydro - South Salmon	Bennetts Bridge 4	C	24043	Altmar	075	36	1970-01-01	7.0	7.7	7.0	7.0	HY	WAT		38.0		
Erie Blvd. Hydro - South Salmon	Lighthouse Hill 1	C	24043	Altmar	075	36	1930-01-01	3.8	4.1	3.8	3.8	HY	WAT		17.4		
Erie Blvd. Hydro - South Salmon	Lighthouse Hill 2	C	24043	Altmar	075	36	1930-01-01	3.8	4.1	3.8	3.8	HY	WAT		8.0		
Erie Blvd. Hydro - Upper Hudson	E J West 1	F	24058	Hadley	091	36	1930-01-01	10.0	11.9	10.0	10.0	HY	WAT		624.7		
Erie Blvd. Hydro - Upper Hudson	E J West 2	F	24058	Hadley	091	36	1930-01-01	10.0	11.9	10.0	10.0	HY	WAT		35.9		
Erie Blvd. Hydro - Upper Hudson	Feeder Dam 1	F	24058	S Glens Falls	091	36	1924-01-01	1.2	0.9	1.2	1.2	HY	WAT		5.1		
Erie Blvd. Hydro - Upper Hudson	Feeder Dam 2	F	24058	S Glens Falls	091	36	1924-01-01	1.2	0.9	1.2	1.2	HY	WAT		4.3		
Erie Blvd. Hydro - Upper Hudson	Feeder Dam 3	F	24058	S Glens Falls	091	36	1924-01-01	1.2	0.9	1.2	1.2	HY	WAT		4.5		
Erie Blvd. Hydro - Upper Hudson	Feeder Dam 4	F	24058	S Glens Falls	091	36	1924-01-01	1.2	0.9	1.2	1.2	HY	WAT		6.2		
Erie Blvd. Hydro - Upper Hudson	Feeder Dam 5	F	24058	S Glens Falls	091	36	1924-01-01	1.2	0.9	1.2	1.2	HY	WAT		6.3		
Erie Blvd. Hydro - Upper Hudson	Sherman Island 1	F	24058	Queensbury	113	36	2009-03-01	8.0	0.0	0.0	0.0	HY	WAT		36.2		
Erie Blvd. Hydro - Upper Hudson	Sherman Island 2	F	24058	Queensbury	113	36	1923-01-01	7.2	8.1	7.2	7.2	HY	WAT		39.0		
Erie Blvd. Hydro - Upper Hudson	Sherman Island 3	F	24058	Queensbury	113	36	1923-01-01	8.7	9.7	8.7	8.7	HY	WAT		34.9		
Erie Blvd. Hydro - Upper Hudson	Sherman Island 4	F	24058	Queensbury	113	36	1923-01-01	7.2	8.1	7.2	7.2	HY	WAT		34.0		
Erie Blvd. Hydro - Upper Hudson	Sherman Island 5	F	24058	Queensbury	113	36	1923-01-01	7.2	8.1	7.2	7.2	HY	WAT		19.9		
Erie Blvd. Hydro - Upper Hudson	Sherman Island 6	F	24058	Queensbury	113	36	2009-02-02	1.0	0.0	0.0	0.0	HY	WAT		10.1		
Erie Blvd. Hydro - Upper Hudson	Spier Falls 1	F	24058	Moreau	091	36	1924-01-01	6.8	8.4	6.8	6.8	HY	WAT		56.2		
Erie Blvd. Hydro - Upper Hudson	Spier Falls 2	F	24058	Moreau	091	36	1930-01-01	37.6	46.9	37.6	37.6	HY	WAT		172.6		
Erie Blvd. Hydro - Upper Hudson	Stewarts Bridge	F	24058	Hadley	091	36	1952-01-01	30.0	35.8	30.0	30.0	HY	WAT		113.3		
Erie Blvd. Hydro - Upper Raquette	Blake	E	24056	Stark	089	36	1957-01-01	14.4	15.6	14.4	14.4	HY	WAT		421.6		
Erie Blvd. Hydro - Upper Raquette	Five Falls	E	24056	Colton	089	36	1955-01-01	22.5	24.4	22.5	22.5	HY	WAT		97.7		
Erie Blvd. Hydro - Upper Raquette	Rainbow Falls	E	24056	Colton	089	36	1956-01-01	22.5	24.4	22.5	22.5	HY	WAT		99.4		
Erie Blvd. Hydro - Upper Raquette	South Colton	E	24056	South Colton	089	36	1954-01-01	19.4	20.9	19.4	19.4	HY	WAT		82.3		
Erie Blvd. Hydro - Upper Raquette	Stark	E	24056	Stark	089	36	1957-01-01	22.5	24.6	22.5	22.5	HY	WAT		91.6		
Erie Blvd. Hydro - West Canada	Prospect	E	24049	Prospect	043	36	1959-01-01	17.3	21.7	17.3	17.3	HY	WAT		230.3		

**TABLE III-2 (cont'd)**  
Existing Generating Facilities

Owner, Operator, and / or Billing Organization	Station Unit	Zone	PTID	Location			In-Service Date YY-MM-DD	Name Plate Rating (V) (MW)	CRIS Sum Cap (A) (MW)	2015 Capability (B) (MW)		Co- Gen	Unit Type	Fuel (U)			2014 Net Energy (GWh)	Notes
				Town	Cnty	St				SUM	WIN			Type	Type	Type		
Erie Blvd. Hydro - West Canada	Trenton Falls 5	E	24049	Trenton	065	36	1919-01-01	6.8	9.6	6.8	6.8	HY	WAT				59.5	
Erie Blvd. Hydro - West Canada	Trenton Falls 6	E	24049	Trenton	065	36	1919-01-01	6.4	9.1	6.4	6.4	HY	WAT				54.1	
Erie Blvd. Hydro - West Canada	Trenton Falls 7	E	24049	Trenton	065	36	1922-01-01	6.4	9.1	6.4	6.4	HY	WAT				39.7	
Erie Blvd. Hydropower LP	West Delaware Hydro	G	323627	Grahamsville	105	36	1988-12-01	7.5	7.5	7.5	7.5	HY	WAT				23.0	
Erie Wind, LLC	Erie Wind	A	323693	Lackawanna	029	36	2012-02-01	15.0	0.0	0.0	0.0	WT	WND				39.3	
Exelon Generation Company, LLC	Chaffee	A	323603	Chaffee	029	36	2007-08-09	6.4	6.4	6.4	6.4	IC	MTE				49.4	
Exelon Generation Company, LLC	High Acres 1	C	23767	Fairport	117	36	1991-06-01	3.2	3.2	3.2	3.2	IC	MTE				26.6	
Exelon Generation Company, LLC	High Acres 2	C	23767	Fairport	117	36	2008-02-28	6.4	6.4	6.4	6.4	IC	MTE				51.7	
Exelon Generation Company, LLC	Madison County LF	E	323628	Wampsville	053	36	2010-03-01	1.6	1.6	1.6	1.6	IC	MTE				6.2	
Exelon Generation Company, LLC	Mill Seat	B	323607	Riga	055	36	2007-07-20	6.4	6.4	6.4	6.4	IC	MTE				48.6	
Exelon Generation Company, LLC	Monroe Livingston	B	24207	Scottsville	055	36	1988-11-01	2.4	2.4	2.4	2.4	IC	MTE				8.6	
Exelon Generation Company, LLC	Oneida-Herkimer LFGTE	E	323681	Boonville	065	36	2012-04-01	3.2	3.2	3.2	3.2	IC	MTE				24.7	
Exelon Generation Company, LLC	Synergy Biogas	B	323694	Wyoming	121	36	2012-09-01	2.0	2.0	0.0	0.0	IC	MTE				6.2	
Flat Rock Windpower II, LLC	Maple Ridge Wind 2	E	323611	Lowville	049	36	2007-12-01	90.7	90.7	90.8	90.8	WT	WND				225.8	
Flat Rock Windpower, LLC	Maple Ridge Wind 1	E	323574	Lowville	049	36	2006-01-01	231.0	231.0	231.0	231.0	WT	WND				587.4	
Freeport Electric	Freeport 1-2	K	1660	Freeport	059	36	1949-08-01	2.9	2.0	2.5	2.9	IC	FO2				0.0	
Freeport Electric	Freeport 1-3	K	1660	Freeport	059	36	1954-08-01	3.1	2.1	2.7	3.0	IC	FO2				0.0	
Freeport Electric	Freeport 1-4	K	1660	Freeport	059	36	1964-10-01	5.1	4.4	4.5	5.0	IC	FO2				0.2	
Freeport Electric	Freeport 2-3	K	1660	Freeport	059	36	1973-05-01	18.1	18.1	15.8	17.9	GT	KER				0.2	
Freeport Electric	Freeport CT 2	K	23818	Freeport	059	36	2004-03-01	60.5	50.3	48.5	49.9	GT	NG				52.5	
GenOn Energy Management, LLC	Bowline 1	G	23526	West Haverstraw	087	36	1972-09-01	621.0	577.7	579.3	576.7	ST	NG	FO6			1,387.8	
GenOn Energy Management, LLC	Bowline 2	G	23595	West Haverstraw	087	36	1974-05-01	621.0	557.4	183.0	183.0	ST	NG	FO6			99.6	
Hampshire Paper Co., Inc.	Hampshire Paper	E	323593	Gouverneur	089	36	1987-03-01	3.4	3.5	3.4	3.4	HY	WAT				18.8	
Hardscrabble Wind Power LLC	Hardscrabble Wind	E	323673	Fairfield	043	36	2011-02-01	74.0	74.0	74.0	74.0	WT	WND				184.3	
Howard Wind LLC	Howard Wind	C	323690	Howard	101	36	2011-12-01	57.4	57.4	55.4	55.4	WT	WND				133.0	
Indeck Energy Services of Silver Springs	Indeck-Silver Springs	C	23768	Silver Springs	121	36	1991-04-01	56.6	51.5	50.3	61.3	YES	CC	NG	FO2		36.4	
Indeck-Corinth LP	Indeck-Corinth	F	23802	Corinth	091	36	1995-07-01	147.0	131.2	129.5	132.2	YES	CC	NG	FO2		876.7	
Indeck-Olean LP	Indeck-Olean	A	23982	Olean	009	36	1993-12-01	90.6	79.4	76.0	84.4	YES	CC	NG	FO2		330.0	
Indeck-Oswego LP	Indeck-Oswego	C	23783	Oswego	075	36	1990-05-01	57.4	51.6	48.8	61.5	CC	NG	FO2			65.6	
Indeck-Yerkes LP	Indeck-Yerkes	A	23781	Tonawanda	029	36	1990-02-01	59.9	49.7	47.9	56.2	YES	CC	NG	FO2		68.1	
Innovative Energy Systems, Inc.	Chautauqua LFGTE	A	323629	Jamestown	013	36	2010-02-12	9.6	0.0	0.0	0.0	IC	MTE				42.4	
Innovative Energy Systems, Inc.	Clinton LFGTE	D	323618	Morrisonville	019	36	2008-10-01	6.4	6.4	6.4	6.4	IC	MTE				39.6	
Innovative Energy Systems, Inc.	Colonie LFGTE	F	323577	Colonie	001	36	2006-03-01	4.8	4.8	4.8	4.8	IC	MTE				37.0	
Innovative Energy Systems, Inc.	DANC LFGTE	E	323619	Watertown	045	36	2008-09-08	6.4	6.4	6.4	6.4	IC	MTE				39.4	
Innovative Energy Systems, Inc.	Fulton LFGTE	F	323630	Johnstown	035	36	2010-06-04	3.2	0.0	0.0	0.0	IC	MTE				12.4	
Innovative Energy Systems, Inc.	Hyland LFGTE	B	323620	Angelica	003	36	2008-09-08	4.8	4.8	4.8	4.8	IC	MTE				31.6	
Innovative Energy Systems, Inc.	Steuben County LF	C	323667	Bath	101	36	2012-08-01	3.2	3.2	3.2	3.2	IC	MTE				22.3	
International Paper Company	Ticonderoga	F	23804	Ticonderoga	031	36	1970-01-01	42.1	7.6	9.5	9.8	YES	ST	FO6			0.0	

**TABLE III-2 (cont'd)**  
Existing Generating Facilities

Owner, Operator, and / or Billing Organization	Station Unit	Zone	PTID	Location			In-Service Date YY-MM-DD	Name Plate Rating (V) (MW)	CRIS Sum Cap (A) (MW)	2015 Capability (B) (MW)		Co- Gen	Unit Type	Fuel (U)			2014 Net Energy (GWh)	Notes
				Town	Cnty	St				SUM	WIN			Type 1	Type 2	Type 3		
Jamestown Board of Public Utilities	Jamestown 5	A	1658	Jamestown	013	36	1951-08-01	28.7	23.0	16.2	16.6	YES	ST	BIT	NG		4.7	
Jamestown Board of Public Utilities	Jamestown 6	A	1658	Jamestown	013	36	1968-08-01	25.0	22.4	14.2	14.7	YES	ST	BIT	NG		45.5	
Jamestown Board of Public Utilities	Jamestown 7	A	1659	Jamestown	013	36	2002-01-01	47.3	40.0	38.6	45.6	YES	GT	NG			174.0	
Lakeside New York, LLC	Beaver Falls	E	23983	Beaver Falls	049	36	1995-03-01	107.8	80.2	81.1	89.3		CC	NG	FO2		1.3	
Lakeside New York, LLC	Syracuse	C	23985	Syracuse	067	36	1993-09-01	102.7	86.8	85.6	97.8		CC	NG	FO2		41.0	
Long Island Power Authority	Babylon (RR)	K	323704	Babylon	103	36	1989-04-01	17.0	15.5	14.3	15.0		ST	REF			109.5	
Long Island Power Authority	Barrett 03	K	23706	Island Park	059	36	1970-06-01	18.0	17.9	17.0	19.2		GT	NG	FO2		2.4	
Long Island Power Authority	Barrett 04	K	23707	Island Park	059	36	1970-07-01	18.0	17.7	17.5	20.4		GT	NG	FO2		6.6	
Long Island Power Authority	Barrett 05	K	23708	Island Park	059	36	1970-07-01	18.0	17.8	17.3	19.9		GT	NG	FO2		2.0	
Long Island Power Authority	Barrett 06	K	23709	Island Park	059	36	1970-07-01	18.0	17.8	17.1	20.1		GT	NG	FO2		3.0	
Long Island Power Authority	Barrett 08	K	23711	Island Park	059	36	1970-07-01	18.0	17.3	17.2	20.4		GT	NG	FO2		2.2	
Long Island Power Authority	Barrett 09	K	23700	Island Park	059	36	1971-06-01	41.8	43.4	39.4	48.2		JE	NG	FO2		9.1	
Long Island Power Authority	Barrett 10	K	23701	Island Park	059	36	1971-06-01	41.8	42.7	39.9	49.4		JE	NG	FO2		24.3	
Long Island Power Authority	Barrett 11	K	23702	Island Park	059	36	1971-06-01	41.8	43.3	39.8	49.5		JE	NG	FO2		14.5	
Long Island Power Authority	Barrett 12	K	23703	Island Park	059	36	1971-06-01	41.8	44.0	40.3	49.5		JE	NG	FO2		23.2	
Long Island Power Authority	Barrett GT 01	K	23704	Island Park	059	36	1970-06-01	18.0	18.1	11.4	0.0		GT	NG	FO2		0.1	
Long Island Power Authority	Barrett GT 02	K	23705	Island Park	059	36	1970-06-01	18.0	17.4	14.7	17.1		GT	NG	FO2		4.7	
Long Island Power Authority	Barrett ST 01	K	23545	Island Park	059	36	1956-11-01	188.0	200.2	195.2	192.5		ST	NG	FO6		623.4	
Long Island Power Authority	Barrett ST 02	K	23546	Island Park	059	36	1963-10-01	188.0	197.5	196.0	194.8		ST	NG	FO6		804.8	
Long Island Power Authority	Bethpage 3	K	323564	Hicksville	059	36	2005-05-01	96.0	79.9	77.1	77.3		CC	NG			140.6	
Long Island Power Authority	Caitness_CC_1	K	323624	Brookhaven	103	36	2009-08-01	375.0	315.6	306.7	358.6		CC	NG	FO2		2,393.7	
Long Island Power Authority	East Hampton 2	K	23722	E Hampton	103	36	1962-12-01	2.0	2.0	2.0	2.0		IC	FO2			0.4	
Long Island Power Authority	East Hampton 3	K	23722	E Hampton	103	36	1962-12-01	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		IC	FO2			0.5	
Long Island Power Authority	East Hampton GT 01	K	23717	E Hampton	103	36	1970-12-01	21.3	19.2	19.0	24.4		JE	FO2			5.0	
Long Island Power Authority	Far Rockaway GT1	K	24212	Far Rockaway	081	36	2002-07-01	60.5	53.5	53.9	57.1		JE	NG			225.6	
Long Island Power Authority	Far Rockaway GT2	K	23815	Jamaica Bay	081	36	2003-07-02	60.5	55.4	54.3	53.8		JE	FO2			16.9	
Long Island Power Authority	Freeport CT 1	K	23764	Freeport	059	36	2004-06-01	60.0	48.3	48.3	49.7		GT	NG	FO2		105.5	
Long Island Power Authority	Glenwood GT 01	K	23712	Glenwood	059	36	1967-04-01	16.0	14.6	12.6	17.6		GT	FO2			0.1	
Long Island Power Authority	Glenwood GT 02	K	23688	Glenwood	059	36	1972-06-01	55.0	52.7	50.0	62.0		GT	FO2			2.5	
Long Island Power Authority	Glenwood GT 03	K	23689	Glenwood	059	36	1972-06-01	55.0	52.7	51.2	67.3		GT	FO2			3.1	
Long Island Power Authority	Glenwood GT 04	K	24219	Glenwood	059	36	2002-06-01	53.0	40.3	39.7	46.4		GT	NG	FO2		99.6	
Long Island Power Authority	Glenwood GT 05	K	24220	Glenwood	059	36	2002-06-01	53.0	40.0	38.3	47.2		GT	NG	FO2		97.2	
Long Island Power Authority	Greenport GT1	K	23814	Greenport	103	36	2003-07-02	54.0	51.9	51.3	56.8		JE	FO2			13.9	
Long Island Power Authority	Hempstead (RR)	K	23647	Hempstead	059	36	1989-10-01	78.6	73.7	72.1	73.4		ST	REF			574.6	
Long Island Power Authority	Holtsville 01	K	23690	Holtsville	103	36	1974-07-01	56.7	55.1	53.2	62.6		JE	FO2			3.4	
Long Island Power Authority	Holtsville 02	K	23691	Holtsville	103	36	1974-07-01	56.7	55.3	47.6	59.3		JE	FO2			3.2	
Long Island Power Authority	Holtsville 03	K	23692	Holtsville	103	36	1974-07-01	56.7	52.1	47.4	60.1		JE	FO2			2.4	

**TABLE III-2 (cont'd)**  
Existing Generating Facilities

Owner, Operator, and / or Billing Organization	Station Unit	Zone	PTID	Location			In-Service Date YY-MM-DD	Name Plate Rating (V) (MW)	CRIS Sum Cap (A) (MW)	2015 Capability (B) (MW)		Co- Gen	Unit Type	Fuel (U)			2014 Net Energy (GWh)	Notes
				Town	Cnty	St				SUM	WIN			Type	Type	Type		
Long Island Power Authority	Holtsville 04	K	23693	Holtsville	103	36	1974-07-01	56.7	52.7	51.9	59.0	JE	FO2			2.8		
Long Island Power Authority	Holtsville 05	K	23694	Holtsville	103	36	1974-07-01	56.7	53.3	53.8	66.3	JE	FO2			3.8		
Long Island Power Authority	Holtsville 06	K	23695	Holtsville	103	36	1975-07-01	56.7	53.0	51.2	63.9	JE	FO2			10.6		
Long Island Power Authority	Holtsville 07	K	23696	Holtsville	103	36	1975-07-01	56.7	55.1	52.2	60.1	JE	FO2			1.1		
Long Island Power Authority	Holtsville 08	K	23697	Holtsville	103	36	1975-07-01	56.7	57.4	52.3	68.3	JE	FO2			2.4		
Long Island Power Authority	Holtsville 09	K	23698	Holtsville	103	36	1975-07-01	56.7	57.5	53.2	66.5	JE	FO2			6.9		
Long Island Power Authority	Holtsville 10	K	23699	Holtsville	103	36	1975-07-01	56.7	55.1	52.9	66.1	JE	FO2			2.1		
Long Island Power Authority	Huntington (RR)	K	323705	Huntington	103	36	1991-12-01	28.0	24.7	24.2	24.3	ST	REF			190.1		
Long Island Power Authority	Islip (RR)	K	323679	Ronkonkoma	103	36	1990-03-01	12.5	11.2	8.6	8.7	ST	REF			51.2		
Long Island Power Authority	Long Island Solar Farm	K	323691	Upton	103	36	2011-11-01	31.5	31.5	31.5	31.5	PV	SUN			51.0		
Long Island Power Authority	Northport 1	K	23551	Northport	103	36	1967-07-01	387.0	395.0	399.7	391.3	ST	NG	FO6		356.5		
Long Island Power Authority	Northport 2	K	23552	Northport	103	36	1968-06-01	387.0	396.0	396.5	398.7	ST	NG	FO6		609.8		
Long Island Power Authority	Northport 3	K	23553	Northport	103	36	1972-07-01	387.0	399.2	391.2	382.2	ST	NG	FO6		685.1		
Long Island Power Authority	Northport 4	K	23650	Northport	103	36	1977-12-01	387.0	399.2	391.2	393.2	ST	NG	FO6		1,060.3		
Long Island Power Authority	Northport GT	K	23718	Northport	103	36	1967-03-01	16.0	13.8	11.9	15.4	GT	FO2			0.1		
Long Island Power Authority	Oceanside (LF)	K	5008	Oceanside	059	36	1991-02-01	2.1	1.1	0.0	0.0	IC	MTE					
Long Island Power Authority	Oyster Bay (LF)	K	5009	Bethpage	059	36	1986-07-01	1.3	0.0	0.0	0.0	IC	MTE					
Long Island Power Authority	Pilgrim GT1	K	24216	Brentwood	103	36	2002-08-01	50.0	45.6	45.3	46.5	GT	NG			86.9		
Long Island Power Authority	Pilgrim GT2	K	24217	Brentwood	103	36	2002-08-01	50.0	46.2	45.3	46.3	GT	NG			94.3		
Long Island Power Authority	Pinelawn Power 1	K	323563	Babylon	103	36	2005-06-01	82.0	78.0	76.1	77.8	CC	NG	KER		136.4		
Long Island Power Authority	Port Jefferson 3	K	23555	Port Jefferson	103	36	1958-11-01	188.0	194.5	196.7	195.3	ST	FO6	NG		93.6		
Long Island Power Authority	Port Jefferson 4	K	23616	Port Jefferson	103	36	1960-11-01	188.0	198.7	196.7	198.0	ST	FO6	NG		191.2		
Long Island Power Authority	Port Jefferson GT 01	K	23713	Port Jefferson	103	36	1966-12-01	16.0	14.1	12.9	18.0	GT	FO2			0.1		
Long Island Power Authority	Port Jefferson GT 02	K	24210	Port Jefferson	103	36	2002-07-01	53.0	42.0	41.0	45.9	GT	NG	FO2		93.3		
Long Island Power Authority	Port Jefferson GT 03	K	24211	Port Jefferson	103	36	2002-07-01	53.0	41.1	40.5	46.1	GT	NG	FO2		88.2		
Long Island Power Authority	S Hampton 1	K	23720	South Hampton	103	36	1963-03-01	11.5	10.3	8.3	12.0	GT	FO2			0.1		
Long Island Power Authority	Shoreham 1	K	23715	Shoreham	103	36	1971-07-01	52.9	48.9	48.9	65.6	GT	FO2			0.9		
Long Island Power Authority	Shoreham 2	K	23716	Shoreham	103	36	1984-04-01	18.6	18.5	15.8	20.9	JE	FO2			0.2		
Long Island Power Authority	Shoreham GT3	K	24213	Shoreham	103	36	2002-08-01	50.0	45.1	45.0	45.9	GT	FO2			6.4		
Long Island Power Authority	Shoreham GT4	K	24214	Shoreham	103	36	2002-08-01	50.0	41.9	44.2	45.9	GT	FO2			6.0		
Long Island Power Authority	Smithtown (LF)	K	5010	Smithtown	103	36	1985-12-01	1.1	0.0	0.0	0.0	IC	MTE					
Long Island Power Authority	South Oaks Hosp	K	5011	Amityville	103	36	1990-06-01	1.0	0.0	0.0	0.0	IC	NG					
Long Island Power Authority	Southold 1	K	23719	Southold	103	36	1964-08-01	14.0	12.3	13.0	15.3	GT	FO2			0.2		
Long Island Power Authority	Stony Brook	K	24151	Stony Brook	103	36	1995-04-01	47.0	9.6	17.2	19.0	YES	GT	NG	FO2	283.3		
Long Island Power Authority	Trigen-NDEC	K	323695	Garden City	059	36	1991-03-01	55.0	51.6	43.0	56.4	YES	CC	NG	FO2	343.0		
Long Island Power Authority	Wading River 1	K	23522	Shoreham	103	36	1989-08-01	79.5	81.2	78.8	98.3	GT	FO2			9.7		
Long Island Power Authority	Wading River 2	K	23547	Shoreham	103	36	1989-08-01	79.5	81.3	76.6	96.2	GT	FO2			13.4		
Long Island Power Authority	Wading River 3	K	23601	Shoreham	103	36	1989-08-01	79.5	81.3	73.3	95.5	GT	FO2			8.2		

**TABLE III-2 (cont'd)**  
Existing Generating Facilities

Owner, Operator, and / or Billing Organization	Station Unit	Zone	PTID	Location			In-Service Date YY-MM-DD	Name Plate Rating (V) (MW)	CRIS Sum Cap (A) (MW)	2015 Capability (B) (MW)		Co- Gen Unit Type	Fuel (U)			2014 Net Energy (GWh)	Notes
				Town	Cnty	St				SUM	WIN		Type 1	Type 2	Type 3		
Long Island Power Authority	West Babylon 4	K	23714	West Babylon	103	36	1971-08-01	52.4	49.0	47.8	66.1	GT	FO2			2.4	
Long Island Power Authority	Yaphank (LF)	K	5012	Yaphank	103	36	1983-09-01	1.6	1.5	0.0	0.0	IC	MTE				
Madison Windpower, LLC	Madison Wind Power	E	24146	Madison	053	36	2000-09-01	11.6	11.5	11.6	11.6	WT	WND				21.0
Marble River LLC	Marble River Wind	D	323696	Ellenburg	019	36	2012-07-01	215.5	0.0	0.0	0.0	WT	WND				539.2
Marsh Hill Energy LLC	Marsh Hill Wind Farm	C	323713	Jasper	101	36	2014-12-01	16.2	0.0	0.0	0.0	WT	WND				8.8 (N) (5)
Model City Energy LLC	Model City Energy	A	24167	Lewiston	063	36	2001-06-01	5.6	5.6	5.6	5.6	IC	MTE				39.5
Modern Innovative Energy, LLC	Modern LF	A	323580	Lewiston	063	36	2006-02-01	6.4	6.4	6.4	6.4	IC	MTE				31.5
New York Power Authority	Ashokan 1	G	23654	Ashokan	111	36	1982-11-01	2.3	1.8	2.3	2.3	HY	WAT				4.7
New York Power Authority	Ashokan 2	G	23654	Ashokan	111	36	1982-11-01	2.3	1.8	2.3	2.3	HY	WAT				3.0
New York Power Authority	Astoria CC 1	J	323568	Queens	081	36	2006-01-01	288.0	246.2	229.5	260.0	CC	NG	JF	KER		3,246.7 (G)
New York Power Authority	Astoria CC 2	J	323569	Queens	081	36	2006-01-01	288.0	246.2	229.4	260.0	CC	NG	JF	KER		
New York Power Authority	Blenheim - Gilboa 1	F	23756	Gilboa NY	095	36	1973-07-01	290.0	290.7	290.9	292.2	PS	WAT				83.1
New York Power Authority	Blenheim - Gilboa 2	F	23757	Gilboa NY	095	36	1973-07-01	290.0	291.2	291.6	292.1	PS	WAT				217.1
New York Power Authority	Blenheim - Gilboa 3	F	23758	Gilboa NY	095	36	1973-07-01	290.0	291.7	292.0	291.2	PS	WAT				35.0
New York Power Authority	Blenheim - Gilboa 4	F	23759	Gilboa NY	095	36	1973-07-01	290.0	291.5	292.7	293.7	PS	WAT				30.9
New York Power Authority	Brentwood	K	24164	Brentwood	103	36	2001-08-01	50.0	47.1	45.5	46.4	GT	NG				43.2
New York Power Authority	Crescent 1	F	24018	Crescent	001	36	1991-07-01	2.8	3.2	2.8	2.8	HY	WAT				15.4
New York Power Authority	Crescent 2	F	24018	Crescent	001	36	1991-07-01	2.8	3.2	2.8	2.8	HY	WAT				15.3
New York Power Authority	Crescent 3	F	24018	Crescent	001	36	1991-07-01	3.0	3.2	3.0	3.0	HY	WAT				21.0
New York Power Authority	Crescent 4	F	24018	Crescent	001	36	1991-07-01	3.0	3.2	3.0	3.0	HY	WAT				0.0
New York Power Authority	Flynn	K	23794	Holtsville	103	36	1994-05-01	170.0	135.5	133.8	162.7	CC	NG	FO2			1,208.0
New York Power Authority	Gowanus 5	J	24156	Brooklyn	047	36	2001-08-01	50.0	45.4	40.0	40.0	GT	NG				31.3
New York Power Authority	Gowanus 6	J	24157	Brooklyn	047	36	2001-08-01	50.0	46.1	39.9	39.9	GT	NG				40.1
New York Power Authority	Grahamsville	G	23607	Grahamsville	105	36	1956-12-01	18.0	16.3	18.0	18.0	HY	WAT				98.8
New York Power Authority	Greenport IC 4	K	1652	Greenport	103	36	1957-06-06	1.2	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	1.5	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	2.5	2.5	IC	FO2				0.0
New York Power Authority	Harlem River 1	J	24160	Bronx	005	36	2001-08-01	50.0	46.0	39.9	39.9	GT	NG				31.0
New York Power Authority	Harlem River 2	J	24161	Bronx	005	36	2001-08-01	50.0	45.2	40.0	40.0	GT	NG				23.3
New York Power Authority	Hellgate 1	J	24158	Bronx	005	36	2001-08-01	50.0	45.0	39.9	39.9	GT	NG				24.7
New York Power Authority	Hellgate 2	J	24159	Bronx	005	36	2001-08-01	50.0	45.0	40.0	40.0	GT	NG				20.9
New York Power Authority	Jarvis 1	E	23743	Hinckley	065	36	1991-07-01	4.5	4.5	4.5	4.5	HY	WAT				26.2
New York Power Authority	Jarvis 2	E	23743	Hinckley	065	36	1991-07-01	4.5	4.5	4.5	4.5	HY	WAT				0.0
New York Power Authority	Kent	J	24152	Brooklyn	047	36	2001-08-01	50.0	46.9	46.0	46.6	GT	NG				39.8
New York Power Authority	Lewiston PS (Fleet)	A	23760	Niagara Falls	063	36	1961-01-01	240.0	240.0	240.0	240.0	PS	WAT				483.2
New York Power Authority	Moses Niagara (Fleet)	A	23760	Niagara Falls	063	36	1961-01-01	2,860.0	2,460.0	2,444.7	2,442.0	HY	WAT				13,211.9
New York Power Authority	Neversink	G	23608	Grahamsville	105	36	1953-12-01	25.0	22.0	25.0	25.0	HY	WAT				41.4
New York Power Authority	Pouch	J	24155	Staten Island	085	36	2001-08-01	50.0	47.1	46.0	46.8	GT	NG				40.7

**TABLE III-2 (cont'd)**  
Existing Generating Facilities

Owner, Operator, and / or Billing Organization	Station Unit	Zone	PTID	Location			In-Service Date YY-MM-DD	Name Plate Rating (V) (MW)	CRIS Sum Cap (A) (MW)	2015 Capability (B) (MW)		Co- Gen Unit Type	Fuel (U)			2014 Net Energy (GWh)	Notes
				Town	Cnty	St				SUM	WIN		Type 1	Type 2	Type 3		
New York Power Authority	St Lawrence - FDR (Fleet)	D	23600	Massena	089	36	1958-07-01	1,088.0	856.0	843.2	820.8	HY	WAT		7,077.5		
New York Power Authority	Vernon Blvd 2	J	24162	Queens	081	36	2001-08-01	50.0	46.2	40.0	40.0	GT	NG		20.9		
New York Power Authority	Vernon Blvd 3	J	24163	Queens	081	36	2001-08-01	50.0	43.8	39.9	39.9	GT	NG		28.3		
New York Power Authority	Vischer Ferry 1	F	24020	Vischer Ferry	091	36	1991-07-01	2.8	3.2	2.8	2.9	HY	WAT		15.0		
New York Power Authority	Vischer Ferry 2	F	24020	Vischer Ferry	091	36	1991-07-01	2.8	3.2	2.8	2.9	HY	WAT		14.4		
New York Power Authority	Vischer Ferry 3	F	24020	Vischer Ferry	091	36	1991-07-01	3.0	3.2	3.0	2.9	HY	WAT		0.0		
New York Power Authority	Vischer Ferry 4	F	24020	Vischer Ferry	091	36	1991-07-01	3.0	3.2	3.0	2.9	HY	WAT		21.0		
New York State Elec. & Gas Corp.	AA Dairy	C	5013	Ithaca	109	36	1998-06-01	0.1		0.0	0.0	IC	MTE		0.0		
New York State Elec. & Gas Corp.	Alice Falls 1	D	23915	Ausable	019	36	1991-11-01	1.5	1.6	0.0	0.0	HY	WAT		0.0		
New York State Elec. & Gas Corp.	Alice Falls 2	D	23915	Ausable	019	36	1991-11-01	0.6	0.6	0.0	0.0	HY	WAT		0.0		
New York State Elec. & Gas Corp.	Allegheny 8	C	23528	Kittanning PA	005	42	1990-10-01	16.0	14.7	16.0	16.0	HY	WAT		105.8		
New York State Elec. & Gas Corp.	Allegheny 9	C	23528	Kittanning PA	005	42	1990-10-01	22.0	20.2	22.0	22.0	HY	WAT		129.3		
New York State Elec. & Gas Corp.	Auburn - Mill St.	C	5014	Auburn	011	36	1981-10-01	0.4		0.0	0.0	HY	WAT				
New York State Elec. & Gas Corp.	Auburn - No. Div.St	C	5015	Auburn	011	36	1992-12-01	0.8		0.0	0.0	HY	WAT				
New York State Elec. & Gas Corp.	Auburn - State St.	C	24147	Auburn	011	36	1995-01-01	7.4	5.8	5.0	6.9	GT	NG		0.9		
New York State Elec. & Gas Corp.	Broome LFG	C	323600	Binghamton	007	36	2007-09-01	2.1	2.1	2.1	2.1	IC	MTE		16.9		
New York State Elec. & Gas Corp.	Cadyville 1	D	23628	Schuylers Falls	019	36	1921-08-01	1.2	1.0	1.2	1.2	HY	WAT		5.1		
New York State Elec. & Gas Corp.	Cadyville 2	D	23628	Schuylers Falls	019	36	1921-08-01	1.2	1.0	1.2	1.2	HY	WAT		5.4		
New York State Elec. & Gas Corp.	Cadyville 3	D	23628	Schuylers Falls	019	36	1986-09-01	3.1	2.7	3.1	3.1	HY	WAT		13.2		
New York State Elec. & Gas Corp.	Chateaugay Hydro	D	5016	Chateaugay	033	36	1982-03-01	1.6		0.0	0.0	HY	WAT				
New York State Elec. & Gas Corp.	Croton Fall Hydro	I	5017	North Salem	119	36	1987-01-01	0.2		0.0	0.0	HY	WAT				
New York State Elec. & Gas Corp.	Harris Lake	D	5018	Newcomb	031	36	1967-08-01	1.7		0.0	0.0	IC	FO2				
New York State Elec. & Gas Corp.	High Falls 1	D	23628	Saranac	019	36	1948-08-01	4.0	4.3	4.0	4.0	HY	WAT		13.1		
New York State Elec. & Gas Corp.	High Falls 2	D	23628	Saranac	019	36	1949-08-01	4.0	4.3	4.0	4.0	HY	WAT		21.7		
New York State Elec. & Gas Corp.	High Falls 3	D	23628	Saranac	019	36	1956-08-01	7.0	8.2	7.0	7.0	HY	WAT		41.0		
New York State Elec. & Gas Corp.	Kent Falls 1	D	23628	Schuylers Falls	019	36	1928-08-01	3.6	3.0	3.6	3.6	HY	WAT		17.5		
New York State Elec. & Gas Corp.	Kent Falls 2	D	23628	Schuylers Falls	019	36	1928-08-01	3.6	3.0	3.6	3.6	HY	WAT		0.0		
New York State Elec. & Gas Corp.	Kent Falls 3	D	23628	Schuylers Falls	019	36	1985-07-01	6.4	6.0	6.4	6.4	HY	WAT		37.5		
New York State Elec. & Gas Corp.	Lower Saranac 1	D	23913	Schuylers Falls	019	36	1990-10-01	3.2	3.5	0.0	0.0	HY	WAT		0.0		
New York State Elec. & Gas Corp.	Lower Saranac 2	D	23913	Schuylers Falls	019	36	1990-10-01	3.2	3.5	0.0	0.0	HY	WAT		0.0		
New York State Elec. & Gas Corp.	Lower Saranac 3	D	23913	Schuylers Falls	019	36	1990-10-01	0.3	2.9	0.0	0.0	HY	WAT		0.0		
New York State Elec. & Gas Corp.	Mechanicville 1	F	23645	Stillwater	091	36	1983-09-01	9.2	10.0	9.2	9.3	HY	WAT		45.7		
New York State Elec. & Gas Corp.	Mechanicville 2	F	23645	Stillwater	091	36	1983-09-01	9.3	10.0	9.3	9.3	HY	WAT		40.0		
New York State Elec. & Gas Corp.	Mill C 1	D	23628	Plattsburgh	019	36	1944-08-01	1.0	0.9	1.0	1.0	HY	WAT		4.9		
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	HY	WAT		4.8		
New York State Elec. & Gas Corp.	Mill C 3	D	23628	Plattsburgh	019	36	1984-11-01	3.8	3.7	3.8	3.8	HY	WAT		15.8		
New York State Elec. & Gas Corp.	Montville Falls	C	5019	Moravia	011	36	1992-08-01	0.2		0.0	0.0	HY	WAT				
New York State Elec. & Gas Corp.	Rainbow Falls 1	D	23628	Ausable	019	36	1926-08-01	1.3	1.5	1.3	1.3	HY	WAT		0.0		

**TABLE III-2 (cont'd)**  
Existing Generating Facilities

Owner, Operator, and / or Billing Organization	Station Unit	Zone	PTID	Location			In-Service Date YY-MM-DD	Name Plate Rating (V) (MW)	CRIS Sum Cap (A) (MW)	2015 Capability (B) (MW)		Co- Gen Unit Type	Fuel (U)			2014 Net Energy (GWh)	Notes
				Town	Cnty	St				SUM	WIN		Type	Type	Type		
													1	2	3		
New York State Elec. & Gas Corp.	Rainbow Falls 2	D	23628	Ausable	019	36	1927-08-01	1.3	1.5	1.3	1.3	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	HY	WAT				
New York State Elec. & Gas Corp.	Waterloo 3	C	5021	Waterloo	099	36	1998-06-01	0.5		0.0	0.0	HY	WAT				
New York State Elec. & Gas Corp.	Waterloo 4	C	5022	Waterloo	099	36	1998-06-01	0.5		0.0	0.0	HY	WAT				
Niagara Generation, LLC	Niagara Bio-Gen	A	23895	Niagara Falls	063	36	1991-08-01	56.0	50.5	43.2	37.2	ST	WD				89.3
Niagara Mohawk Power Corp.	Boralex - Hudson Falls	F	24011	Hudson Falls	115	36	1995-10-01	44.0	43.7	44.0	44.0	HY	WAT				228.5
Niagara Mohawk Power Corp.	Boralex - South Glens Falls	F	24028	Moreau	091	36	1994-12-01	13.8	14.8	0.0	0.0	HY	WAT				89.9
Niagara Mohawk Power Corp.	CHI-LaChute	F	1654	Ticonderoga	031	36	1987-12-01	9.0	8.9	0.0	0.0	HY	WAT				33.5
Niagara Mohawk Power Corp.	Fortis - Dolgeville	E	23807	Dolgeville	043	36	1985-07-01	5.0	6.3	0.0	0.0	HY	WAT				17.4
Niagara Mohawk Power Corp.	Fortis Energy - Philadelphia	E	1656	Philadelphia	045	36	1986-08-01	3.6	3.2	0.0	0.0	HY	WAT				8.8
Niagara Mohawk Power Corp.	Fortis Energy - Moose River	E	24016	Moose River	049	36	1987-09-01	12.6	12.0	0.0	0.0	HY	WAT				45.9
Niagara Mohawk Power Corp.	Fortistar - N.Tonawanda	A	24026	N Tonawanda	029	36	1993-06-01	55.3	57.0	54.9	63.9	CC	NG	FO2			39.8
Niagara Mohawk Power Corp.	General Mills Inc	A	23808	Buffalo	029	36	1988-12-01	3.8	3.8	0.0	0.0	GT	NG				0.5
Niagara Mohawk Power Corp.	International Paper - Curtis	F	1655	Corinth	091	36	1986-01-01	9.8	30.8	0.0	0.0	HY	WAT				415.8 (G)
Niagara Mohawk Power Corp.	International Paper - Palmer	F	1655	Corinth	091	36	1986-01-01	49.2	30.8	0.0	0.0	HY	WAT				
Niagara Mohawk Power Corp.	Little Falls Hydro	E	24013	Little Falls	043	36	1987-01-01	13.0	12.6	0.0	0.0	HY	WAT				61.1
Niagara Mohawk Power Corp.	Onondaga County	C	23987	North Syracuse	067	36	1994-12-01	39.5	32.6	32.1	30.8	ST	REF				187.6
Niagara Mohawk Power Corp.	Pyrites Assoc.	E	24023	Canton	089	36	1985-12-01	8.2	7.5	0.0	0.0	HY	WAT				29.7
Niagara Mohawk Power Corp.	Adams Hydro	E	23633	Adams	045	36	1987-11-01	0.2		0.0	0.0	HY	WAT				0.0
Niagara Mohawk Power Corp.	Algon.-Burt Dam Assoc.	A	23774	Burt	063	36	1987-12-01	0.4		0.0	0.0	HY	WAT				2.2
Niagara Mohawk Power Corp.	Algon.-Christine.Falls	F	23643	Wells	041	36	1987-12-01	0.8		0.0	0.0	HY	WAT				2.5
Niagara Mohawk Power Corp.	Algon.-Cranberry .Lake	E	23633	Cranberry Lake	049	36	1987-12-01	0.5		0.0	0.0	HY	WAT				0.0
Niagara Mohawk Power Corp.	Algon.-Forrestport	E	23633	Forrestport	065	36	1987-12-01	3.4		0.0	0.0	HY	WAT				8.1
Niagara Mohawk Power Corp.	Algon.-Herkimer	E	23633	Herkimer	043	36	1987-12-01	1.6		0.0	0.0	HY	WAT				0.0
Niagara Mohawk Power Corp.	Algon.-Hollow Dam Power	E	23633	Saint Lawrence	089	36	1987-12-01	1.0		0.0	0.0	HY	WAT				3.1
Niagara Mohawk Power Corp.	Algon.-Kayuta	E	23633	Kayuta	065	36	1988-05-01	0.4		0.0	0.0	HY	WAT				0.0
Niagara Mohawk Power Corp.	Algon.-Ogdensburg	E	23633	Ogdensburg	089	36	1987-12-01	3.5		0.0	0.0	HY	WAT				10.0
Niagara Mohawk Power Corp.	Algon.-Otter Creek	E	23633	Greig	049	36	1986-11-01	0.5		0.0	0.0	HY	WAT				1.2
Niagara Mohawk Power Corp.	Allied Frozen Storage	A	23774	Cheektowaga	029	36	2008-05-01	0.1		0.0	0.0	IC	NG				0.1
Niagara Mohawk Power Corp.	Azure Mnt. Pwr Co	E	23633	St. Regis Falls	033	36	1993-08-01	0.6		0.0	0.0	HY	WAT				1.8
Niagara Mohawk Power Corp.	Beaver Falls #1	E	23633	Beaver Falls	049	36	1986-01-01	1.5		0.0	0.0	HY	WAT				10.4
Niagara Mohawk Power Corp.	Beaver Falls #2	E	23633	Beaver Falls	049	36	1986-01-01	1.0		0.0	0.0	HY	WAT				5.7
Niagara Mohawk Power Corp.	Bellows Towers	E	23633	Malone	033	36	1987-06-01	0.2		0.0	0.0	HY	WAT				0.0
Niagara Mohawk Power Corp.	Black River Hyd#1	E	23633	Port Leyden	049	36	1984-07-01	1.9		0.0	0.0	HY	WAT				4.9
Niagara Mohawk Power Corp.	Black River Hyd#2	E	23633	Port Leyden	049	36	1985-12-01	1.6		0.0	0.0	HY	WAT				2.1
Niagara Mohawk Power Corp.	Black River Hyd#3	E	23633	Port Leyden	049	36	1984-07-01	2.2		0.0	0.0	HY	WAT				14.9
Niagara Mohawk Power Corp.	Boralex - Middle Falls	F	23643	Easton	115	36	1989-12-01	2.2		0.0	0.0	HY	WAT				13.2
Niagara Mohawk Power Corp.	Burrstone Energy Center, LLC LU	E	23633	Utica	065	36	2009-11-01	1.1		0.0	0.0	IC	NG				2.7

**TABLE III-2 (cont'd)**  
Existing Generating Facilities

Owner, Operator, and / or Billing Organization	Station Unit	Zone	PTID	Location			In-Service Date YY-MM-DD	Name Plate Rating (V) (MW)	CRIS Sum Cap (A) (MW)	2015 Capability (B) (MW)		Co- Gen	Unit Type	Fuel (U)			2014 Net Energy (GWh)	Notes
				Town	Cnty	St				SUM	WIN			Type 1	Type 2	Type 3		
Niagara Mohawk Power Corp.	Burrstone Energy Center, LLC U	E	23633	Utica	065	36	2009-11-01	2.2	0.0	0.0	IC	NG			0.1			
Niagara Mohawk Power Corp.	Cal Ban Power	A	23774	Allegany	003	36	1995-06-01	0.1	0.0	0.0	IC	NG			0.1			
Niagara Mohawk Power Corp.	Cellu-Tissue Corp - Natural Dam	E	23633	Natural Dam	089	36	1986-01-01	1.0	0.0	0.0	HY	WAT			0.0			
Niagara Mohawk Power Corp.	Champlain Spinner	F	23643	Whitehall	031	36	1992-07-01	0.4	0.0	0.0	HY	WAT			1.2			
Niagara Mohawk Power Corp.	CHI Dexter Hydro	E	23633	Dexter	045	36	1988-01-01	4.2	0.0	0.0	HY	WAT			11.7			
Niagara Mohawk Power Corp.	CHI Diamond Is HY	E	23633	Watertown	045	36	1986-01-01	1.2	0.0	0.0	HY	WAT			6.3			
Niagara Mohawk Power Corp.	CHI Fowler	E	23633	Fowler	049	36	1986-01-01	0.6	0.0	0.0	HY	WAT			1.7			
Niagara Mohawk Power Corp.	CHI Hailsboro #3	E	23633	Hailsboro	089	36	1986-01-01	0.8	0.0	0.0	HY	WAT			4.3			
Niagara Mohawk Power Corp.	CHI Hailsboro #4	E	23633	Hailsboro	089	36	1986-01-01	1.4	0.0	0.0	HY	WAT			11.6			
Niagara Mohawk Power Corp.	CHI Hailsboro #6	E	23633	Hailsboro	089	36	1986-01-01	0.8	0.0	0.0	HY	WAT			5.2			
Niagara Mohawk Power Corp.	CHI Theresa Hydro	E	23633	Theresa	089	36	1986-01-01	1.3	0.0	0.0	HY	WAT			7.5			
Niagara Mohawk Power Corp.	Chittenden Falls	F	23643	Stuyvesant	021	36	1995-12-01	0.6	0.0	0.0	HY	WAT			0.6			
Niagara Mohawk Power Corp.	City of Oswego (H.D.)	C	23634	Oswego	075	36	1994-02-01	11.9	0.0	0.0	HY	WAT			50.0			
Niagara Mohawk Power Corp.	City of Utica - Sand Road	E	23633	Utica	065	36	1993-05-01	0.2	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	HY	WAT			0.4			
Niagara Mohawk Power Corp.	City of Watertown	E	23633	Watertown	045	36	1986-01-01	8.1	0.0	0.0	HY	WAT			13.6			
Niagara Mohawk Power Corp.	City of Watervliet	F	23643	Guiderland	001	36	1986-01-01	1.2	0.0	0.0	HY	WAT			3.3			
Niagara Mohawk Power Corp.	Cons. HY-Victory	F	23643	Victory Falls	091	36	1986-12-01	1.7	0.0	0.0	HY	WAT			5.7			
Niagara Mohawk Power Corp.	Copenhagen Assoc.	E	23633	Copenhagen	049	36	1986-01-01	3.3	0.0	0.0	HY	WAT			10.4			
Niagara Mohawk Power Corp.	Cottrell Paper	F	23643	Rock City Falls	091	36	1987-01-01	0.3	0.0	0.0	HY	WAT			0.1			
Niagara Mohawk Power Corp.	Edison Hydro Electric	F	23643	Stottville	021	36	2009-11-01	0.4	0.0	0.0	HY	WAT			1.9			
Niagara Mohawk Power Corp.	Empire HY Partner	E	23633	Port Leyden	049	36	1984-11-01	1.0	0.0	0.0	HY	WAT			5.0			
Niagara Mohawk Power Corp.	Finch Paper LLC - Glens Falls	F	23643	Glens Falls	113	36	2009-11-01	11.8	0.0	0.0	HY	WAT			2.0			
Niagara Mohawk Power Corp.	Finch Pruyn	F	23643	Glens Falls	113	36	1989-12-01	29.0	0.0	0.0	HY	WAT			0.0			
Niagara Mohawk Power Corp.	Fort Miller Assoc	F	23643	Schuylerville	091	36	1985-10-01	5.0	0.0	0.0	HY	WAT			24.3			
Niagara Mohawk Power Corp.	Fortis Energy - Diana	E	23633	Diana	049	36	1985-07-01	1.8	0.0	0.0	HY	WAT			7.1			
Niagara Mohawk Power Corp.	Franklin Hydro	D	24055	Franklin Falls	033	36	1995-03-01	0.3	0.0	0.0	HY	WAT			0.0			
Niagara Mohawk Power Corp.	Green Island Power Authority	F	23643	Green Island	001	36	1971-01-01	6.0	0.0	0.0	HY	WAT			35.7			
Niagara Mohawk Power Corp.	Hewittville Hydro	E	23633	Potsdam	089	36	1984-07-01	3.0	0.0	0.0	HY	WAT			13.5			
Niagara Mohawk Power Corp.	Hollings&Vose-Center	F	23643	Easton	115	36	1986-01-01	0.4	0.0	0.0	HY	WAT			0.2			
Niagara Mohawk Power Corp.	Hollings&Vose-Lower	F	23643	Easton	115	36	1986-01-01	0.4	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	HY	WAT			4.6			
Niagara Mohawk Power Corp.	Hoosick Falls	F	23643	Hoosick Falls	083	36	1988-08-01	0.6	0.0	0.0	HY	WAT			0.0			
Niagara Mohawk Power Corp.	Hydrocarbon-Algny	A	23774	Allegany	003	36	1992-12-01	0.2	0.0	0.0	IC	NG			0.0			
Niagara Mohawk Power Corp.	Indian Falls HY	E	23633	Theresa	045	36	1986-01-01	0.3	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	HY	WAT			0.0			
Niagara Mohawk Power Corp.	Laidlaw Energy	A	23774	Ellicottville	009	36	1991-07-01	3.4	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	ST	NG			0.0			



**TABLE III-2 (cont'd)**  
Existing Generating Facilities

Owner, Operator, and / or Billing Organization	Station Unit	Zone	PTID	Location			In-Service Date YY-MM-DD	Name Plate Rating (V) (MW)	CRIS Sum Cap (A) (MW)	2015 Capability (B) (MW)		Co- Gen	Unit Type	Fuel (U)			2014 Net Energy (GWh)	Notes
				Town	Cnty	St				SUM	WIN			Type 1	Type 2	Type 3		
Niagara Mohawk Power Corp.	Laquidara-Long Falls	E	23633	Carthage	045	36	1991-06-01	3.3	0.0	0.0	HY	WAT				5.2		
Niagara Mohawk Power Corp.	Lyonsdale Assoc. (Burrows)	E	23633	Lyons Falls	049	36	1984-07-01	3.0	0.0	0.0	HY	WAT				11.1		
Niagara Mohawk Power Corp.	Mechanicville	F	23643	Mechanicville	091	36	2005-03-01	2.0	0.0	0.0	HY	WAT				17.2		
Niagara Mohawk Power Corp.	Mountaineer Massage Spa	F	23643	Wevertown	113	36	2009-11-01	0.0	0.0	0.0	HY	WAT				0.0		
Niagara Mohawk Power Corp.	Mt. Ida Assoc.	F	23643	Troy	083	36	1986-01-01	6.0	0.0	0.0	HY	WAT				9.1		
Niagara Mohawk Power Corp.	Newport HY Assoc	E	23633	Newport	043	36	1987-12-01	1.7	0.0	0.0	HY	WAT				7.3		
Niagara Mohawk Power Corp.	Nottingham High School	C	23634	Syracuse	067	36	1988-06-01	0.2	0.0	0.0	CC	NG				0.0		
Niagara Mohawk Power Corp.	Oakvale Construction	D	24055	Wilmington	031	36	2009-11-01	0.4	0.0	0.0	HY	WAT				1.6		
Niagara Mohawk Power Corp.	Onondaga Energy Partners	C	23634	Onondaga	067	36	1987-12-01	1.4	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	ST	REF				5.0		
Niagara Mohawk Power Corp.	Oswego HY Partners (Phoenix)	C	23634	Phoenix	067	36	1990-12-01	3.4	0.0	0.0	HY	WAT				11.6		
Niagara Mohawk Power Corp.	Riverrat Glass&Electric	F	23643	Wadhams	031	36	1986-01-01	0.6	0.0	0.0	HY	WAT				2.2		
Niagara Mohawk Power Corp.	Sandy Hollow HY	E	23633	Sandy Hollow	045	36	1986-09-01	0.6	0.0	0.0	HY	WAT				1.5		
Niagara Mohawk Power Corp.	Seneca Limited	C	23634	Syracuse	067	36	1985-12-01	0.2	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	IC	NG				0.6		
Niagara Mohawk Power Corp.	Stevens&Thompson Paper Co.	F	23643	Middle Falls	115	36	1987-12-01	10.5	0.0	0.0	HY	WAT				14.3		
Niagara Mohawk Power Corp.	Stillwater Assoc.	E	23633	Webb	043	36	1987-01-01	1.8	0.0	0.0	HY	WAT				7.5		
Niagara Mohawk Power Corp.	Stillwater HY Partners	F	23643	Stillwater	091	36	1993-04-01	3.4	0.0	0.0	HY	WAT				13.6		
Niagara Mohawk Power Corp.	Stuyvesant Falls	F	23643	Stuyvesant	021	36	2013-02-01	7.0	0.0	0.0	HY	WAT				12.7		
Niagara Mohawk Power Corp.	Sustainable Bioelectric LLC	A	23774	Wheatfield	063	36	2014-03-01	0.6	0.0	0.0	IC	MTE				0.0		
Niagara Mohawk Power Corp.	Synergics - Middle Greenwich	F	23643	Greenwich	115	36	1987-12-01	0.2	0.0	0.0	HY	WAT				0.0		
Niagara Mohawk Power Corp.	Synergics - Union Falls	D	24055	Union Falls	019	36	1987-12-01	3.0	0.0	0.0	HY	WAT				13.4		
Niagara Mohawk Power Corp.	Synergics - Upper Greenwich	F	23643	Greenwich	115	36	1987-12-01	0.4	0.0	0.0	HY	WAT				0.0		
Niagara Mohawk Power Corp.	Tannery Island	E	23633	Carthage	045	36	1986-01-01	1.5	0.0	0.0	HY	WAT				9.2		
Niagara Mohawk Power Corp.	Town of Wells	F	23643	Wells	041	36	1987-12-01	0.5	0.0	0.0	HY	WAT				1.6		
Niagara Mohawk Power Corp.	Tri-City JATC	F	23643	Latham	001	36	2009-11-01	0.0	0.0	0.0	IC	NG				0.0		
Niagara Mohawk Power Corp.	Unionville Hydro	E	23633	Potsdam	089	36	1984-07-01	3.0	0.0	0.0	HY	WAT				13.6		
Niagara Mohawk Power Corp.	United States Gypsum	A	23774	Batavia	037	36	2009-11-01	5.8	0.0	0.0	CC	NG				0.9		
Niagara Mohawk Power Corp.	Valatie Falls	F	23643	Valatie	021	36	1992-12-01	0.1	0.0	0.0	HY	WAT				0.5		
Niagara Mohawk Power Corp.	Valley Falls Assoc.	F	23643	Valley Falls	083	36	1985-08-01	2.5	0.0	0.0	HY	WAT				8.2		
Niagara Mohawk Power Corp.	Village of Gouverneur	E	23633	Gouverneur	089	36	1986-01-01	0.1	0.0	0.0	HY	WAT				0.5		
Niagara Mohawk Power Corp.	Village of Potsdam	E	23633	Potsdam	089	36	1986-01-01	0.8	0.0	0.0	HY	WAT				3.1		
Niagara Mohawk Power Corp.	Village of Potsdam 2	E	23633	Potsdam	089	36	2014-04-01	0.5	0.0	0.0	HY	WAT				1.2		
Niagara Mohawk Power Corp.	Village of Saranac Lake	E	23633	Saranac Lake	033	36	1996-12-01	0.2	0.0	0.0	HY	WAT				0.5		
Niagara Mohawk Power Corp.	Wave Hydro LLC	C	23634	Baldwinsville	067	36	2010-02-07	0.8	0.0	0.0	HY	WAT				0.0		
Niagara Mohawk Power Corp.	West End Dam Assoc.	E	23633	Carthage	045	36	1986-01-01	4.4	0.0	0.0	HY	WAT				24.3		
Niagara Wind Power, LLC	Steel Wind	A	323596	Lackawanna	029	36	2007-01-23	20.0	20.0	20.0	WT	WND				46.6		
Nine Mile Point Nuclear Station, LLC	Nine Mile Point 1	C	23575	Scriba	075	36	1969-11-01	641.8	630.5	636.6	639.7	NB	UR			5,442.1		

**TABLE III-2 (cont'd)**  
Existing Generating Facilities

Owner, Operator, and / or Billing Organization	Station Unit	Zone	PTID	Location			In-Service Date YY-MM-DD	Name Plate Rating (V) (MW)	CRIS Sum Cap (A) (MW)	2015 Capability (B) (MW)		Co- Gen Unit Type	Fuel (U)			2014 Net Energy (GWh)	Notes
				Town	Cnty	St				SUM	WIN		Type 1	Type 2	Type 3		
Nine Mile Point Nuclear Station, LLC	Nine Mile Point 2	C	23744	Scriba	075	36	1988-08-01	1,259.3	1,246.6	1,290.4	1,296.5	NB	UR		9,797.1		
Noble Altona Windpark, LLC	Altona Wind Power	D	323606	Altona	019	36	2008-09-23	97.5	97.5	97.5	97.5	WT	WND		186.4		
Noble Bliss Windpark, LLC	Bliss Wind Power	A	323608	Bliss	121	36	2008-03-20	100.5	100.5	100.5	100.5	WT	WND		206.6		
Noble Chateaugay Windpark, LLC	Chateaugay Wind Power	D	323614	Chateaugay	033	36	2008-10-07	106.5	106.5	106.5	106.5	WT	WND		200.5		
Noble Clinton Windpark 1, LLC	Clinton Wind Power	D	323605	Clinton	019	36	2008-04-09	100.5	100.5	100.5	100.5	WT	WND		186.2		
Noble Ellenburg Windpark, LLC	Ellenburg Wind Power	D	323604	Ellenburg	019	36	2008-03-31	81.0	81.0	81.0	81.0	WT	WND		176.6		
Noble Wethersfield Windpark, LLC	Wethersfield Wind Power	C	323626	Wethersfield	121	36	2008-12-11	126.0	126.0	126.0	126.0	WT	WND		267.8		
Northbrook Lyons Falls, LLC	Lyons Falls Hydro	E	23570	Lyons Falls	049	36	1986-01-01	8.0	7.3	8.0	8.0	HY	WAT		41.1		
NRG Power Marketing LLC	Arthur Kill GT 1	J	23520	Staten Island	085	36	1970-06-01	20.0	16.5	10.9	11.8	GT	NG		0.3		
NRG Power Marketing LLC	Arthur Kill ST 2	J	23512	Staten Island	085	36	1959-08-01	376.2	357.7	338.3	340.9	ST	NG		788.8		
NRG Power Marketing LLC	Arthur Kill ST 3	J	23513	Staten Island	085	36	1969-06-01	535.5	518.0	503.0	527.1	ST	NG		331.4		
NRG Power Marketing LLC	Astoria GT 05	J	24106	Queens	081	36	1970-06-01	19.2	16.0	12.3	15.8	GT	FO2		0.1		
NRG Power Marketing LLC	Astoria GT 07	J	24107	Queens	081	36	1970-06-01	19.2	15.5	11.5	14.0	GT	FO2		0.1		
NRG Power Marketing LLC	Astoria GT 08	J	24108	Queens	081	36	1970-06-01	19.2	15.3	11.4	14.8	GT	FO2		0.1		
NRG Power Marketing LLC	Astoria GT 10	J	24110	Queens	081	36	1971-01-01	31.8	24.9	18.4	22.6	GT	FO2		0.5		
NRG Power Marketing LLC	Astoria GT 11	J	24225	Queens	081	36	1971-02-01	31.8	23.6	16.5	25.0	GT	FO2		1.0		
NRG Power Marketing LLC	Astoria GT 12	J	24226	Queens	081	36	1971-05-01	31.8	22.7	17.7	22.4	GT	FO2		0.6		
NRG Power Marketing LLC	Astoria GT 13	J	24227	Queens	081	36	1971-05-01	31.8	24.0	16.9	22.1	GT	FO2		0.4		
NRG Power Marketing LLC	Astoria GT 2-1	J	24094	Queens	081	36	1970-06-01	46.5	41.2	35.7	43.9	JE	KER NG		6.2		
NRG Power Marketing LLC	Astoria GT 2-2	J	24095	Queens	081	36	1970-06-01	46.5	42.4	32.2	42.7	JE	KER NG		6.8		
NRG Power Marketing LLC	Astoria GT 2-3	J	24096	Queens	081	36	1970-06-01	46.5	41.2	31.8	42.2	JE	KER NG		3.6		
NRG Power Marketing LLC	Astoria GT 2-4	J	24097	Queens	081	36	1970-06-01	46.5	41.0	32.6	43.4	JE	KER NG		3.1		
NRG Power Marketing LLC	Astoria GT 3-1	J	24098	Queens	081	36	1970-06-01	46.5	41.2	31.7	41.8	JE	KER NG		4.1		
NRG Power Marketing LLC	Astoria GT 3-2	J	24099	Queens	081	36	1970-06-01	46.5	43.5	33.7	42.5	JE	KER NG		3.1		
NRG Power Marketing LLC	Astoria GT 3-3	J	24100	Queens	081	36	1970-06-01	46.5	43.0	32.2	42.3	JE	KER NG		4.5		
NRG Power Marketing LLC	Astoria GT 3-4	J	24101	Queens	081	36	1970-06-01	46.5	43.0	34.3	42.5	JE	KER NG		3.1		
NRG Power Marketing LLC	Astoria GT 4-1	J	24102	Queens	081	36	1970-07-01	46.5	42.6	34.3	42.7	JE	KER NG		6.9		
NRG Power Marketing LLC	Astoria GT 4-2	J	24103	Queens	081	36	1970-07-01	46.5	41.4	33.6	43.6	JE	KER NG		3.8		
NRG Power Marketing LLC	Astoria GT 4-3	J	24104	Queens	081	36	1970-07-01	46.5	41.1	32.8	42.8	JE	KER NG		2.6		
NRG Power Marketing LLC	Astoria GT 4-4	J	24105	Queens	081	36	1970-07-01	46.5	42.8	31.6	42.5	JE	KER NG		3.8		
NRG Power Marketing LLC	Dunkirk 2	A	23564	Dunkirk	013	36	1950-12-01	100.0	97.2	75.0	75.0	ST	BIT		368.5	(S)	
NRG Power Marketing LLC	Dunkirk IC 2	A	5050	Dunkirk	013	36	1990-01-01	0.5		0.0	0.0	IC	FO2				
NRG Power Marketing LLC	Huntley 67	A	23561	Tonawanda	029	36	1957-12-01	218.0	196.5	187.9	187.0	ST	BIT		500.0		
NRG Power Marketing LLC	Huntley 68	A	23562	Tonawanda	029	36	1958-12-01	218.0	198.0	189.5	187.2	ST	BIT		703.9		
NRG Power Marketing LLC	Huntley IC 1	A	5051	Tonawanda	029	36	1967-08-01	0.7		0.0	0.0	IC	FO2				
NRG Power Marketing LLC	Oswego 5	C	23606	Oswego	075	36	1976-02-01	901.8	850.3	828.5	825.5	ST	FO6		43.3		
NRG Power Marketing LLC	Oswego 6	C	23613	Oswego	075	36	1980-07-01	901.8	835.2	826.5	832.0	ST	FO6 NG		40.6		
NRG Power Marketing LLC	Oswego IC 1	C	5052	Oswego	075	36	1967-08-01	0.7		0.0	0.0	IC	FO2				

**TABLE III-2 (cont'd)**  
Existing Generating Facilities

Owner, Operator, and / or Billing Organization	Station Unit	Zone	PTID	Location			In-Service Date YY-MM-DD	Name Plate Rating (V) (MW)	CRIS Sum Cap (A) (MW)	2015 Capability (B) (MW)		Co- Gen	Unit Type	Fuel (U)			2014 Net Energy (GWh)	Notes
				Town	Cnty	St				SUM	WIN			Type 1	Type 2	Type 3		
NRG Power Marketing LLC	Oswego IC 2	C	5053	Oswego	075	36	1976-02-01	0.8	0.0	0.0		IC	FO2					
NRG Power Marketing LLC	Oswego IC 3	C	5054	Oswego	075	36	1980-07-01	0.8	0.0	0.0		IC	FO2					
Orange and Rockland Utilities	Buttermilk Falls	G	5055	Highland Falls	071	36	1986-12-01	0.1	0.0	0.0		HY	WAT					
Orange and Rockland Utilities	Intl. Crossroads	G	5056	Mahwah NJ	003	34	1987-12-01	3.0	0.0	0.0		IC	NG	FO2				
Orange and Rockland Utilities	Landfill G.Part 19	G	5057	Goshen	071	36	1988-12-01	2.5	0.0	0.0		IC	MTE					
Orange and Rockland Utilities	Middletown LFG	G	5058	Goshen	071	36	1988-12-01	3.0	0.0	0.0		IC	MTE					
PSEG Energy Resource & Trade, LLC	Bethlehem Energy Center	F	23843	Bethlehem	001	36	2005-07-01	893.1	756.9	762.0	870.3	CC	NG	FO2		4,526.7		
R.E. Ginna Nuclear Power Plant, LLC	Ginna	B	23603	Ontario	117	36	1970-07-01	614.0	582.0	581.4	582.8	NP	UR			4,662.5		
ReEnergy Holdings LLC	Black River	E	23780	Watertown	045	36	2013-05-30	55.5	55.6	50.8	52.4	ST	WD			302.6		
ReEnergy Holdings LLC	Lyonsdale	E	23803	Lyonsdale	049	36	1992-08-01	21.1	20.2	20.3	20.6	YES	ST	WD		146.7		
Rochester Gas and Electric Corp.	Mills Mills	B	5059	Fillmore	003	36	1906-07-01	0.2	0.0	0.0		HY	WAT					
Rochester Gas and Electric Corp.	Mt Morris	B	5060	Mt Morris	051	36	1916-07-01	0.3	0.0	0.0		HY	WAT					
Rochester Gas and Electric Corp.	Station 2 1	B	23604	Rochester	055	36	1913-07-01	8.5	6.5	8.5	8.5	HY	WAT			36.5		
Rochester Gas and Electric Corp.	Station 26 1	B	23604	Rochester	055	36	1952-08-01	3.0	3.0	3.0	3.0	HY	WAT			0.8		
Rochester Gas and Electric Corp.	Station 5 1	B	23604	Rochester	055	36	1918-07-01	14.0	11.8	14.0	14.0	HY	WAT			4.3		
Rochester Gas and Electric Corp.	Station 5 2	B	23604	Rochester	055	36	1918-07-01	13.6	11.8	13.6	13.6	HY	WAT			0.0		
Rochester Gas and Electric Corp.	Station 5 3	B	23604	Rochester	055	36	1918-07-01	18.0	16.5	18.0	18.0	HY	WAT			86.9		
Rochester Gas and Electric Corp.	Wiscoy 1	B	5061	Fillmore	003	36	1922-07-01	0.6	0.0	0.0		HY	WAT					
Rochester Gas and Electric Corp.	Wiscoy 2	B	5062	Fillmore	003	36	1922-07-01	0.5	0.0	0.0	0.0	HY	WAT					
Rockville Centre, Village of	Charles P Keller 07	K	1661	Rockville Centre	059	36	1942-09-01	2.0	2.0	2.0	2.0	IC	FO2			0.0		
Rockville Centre, Village of	Charles P Keller 08	K	1661	Rockville Centre	059	36	1950-09-01	2.4	2.8	2.4	2.4	IC	FO2			0.0		
Rockville Centre, Village of	Charles P Keller 09	K	1661	Rockville Centre	059	36	1954-09-01	3.5	3.3	3.5	3.5	IC	FO2	NG		0.0		
Rockville Centre, Village of	Charles P Keller 10	K	1661	Rockville Centre	059	36	1954-09-01	3.5	3.2	3.5	3.5	IC	FO2	NG		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	5.2	IC	FO2	NG		0.1		
Rockville Centre, Village of	Charles P Keller 12	K	1661	Rockville Centre	059	36	1967-09-01	5.5	5.5	5.5	5.5	IC	FO2	NG		0.0		
Rockville Centre, Village of	Charles P Keller 13	K	1661	Rockville Centre	059	36	1974-09-01	5.5	5.6	5.5	5.5	IC	FO2	NG		0.1		
Rockville Centre, Village of	Charles P Keller 14	K	1661	Rockville Centre	059	36	1994-09-01	6.2	6.3	6.2	6.2	IC	FO2	NG		0.5		
Selkirk Cogen Partners, L.P.	Selkirk-I	F	23801	Selkirk	001	36	1992-03-01	107.2	82.1	76.2	107.6	YES	CC	NG	FO2		287.0	
Selkirk Cogen Partners, L.P.	Selkirk-II	F	23799	Selkirk	001	36	1994-09-01	338.8	291.3	270.4	334.2	YES	CC	NG	FO2		928.6	
Seneca Energy II, LLC	Ontario LFG	C	23819	Canandaigua	069	36	2003-12-01	11.2	5.6	11.2	11.2	IC	MTE			75.7		
Seneca Energy II, LLC	Seneca Energy 1	C	23797	Seneca Falls	099	36	1996-03-01	8.8	8.8	8.8	8.8	IC	MTE			141.8	(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	IC	MTE					
Seneca Falls Power Corp.	Seneca Falls 1	C	23627	Seneca Falls	099	36	1998-06-01	1.8	1.6	0.0	0.0	HY	WAT			0.0		
Seneca Falls Power Corp.	Seneca Falls 2	C	23627	Seneca Falls	099	36	1998-06-01	1.8	1.6	0.0	0.0	HY	WAT			0.0		
Seneca Falls Power Corp.	Seneca Falls 4	C	23627	Seneca Falls	099	36	1998-06-01	2.0	1.8	0.0	0.0	HY	WAT			0.0		
Seneca Power Partners, L.P.	Allegany	B	23514	Hume	003	36	1995-03-01	67.0	62.9	60.0	61.7	YES	CC	NG		96.5		
Seneca Power Partners, L.P.	Batavia	B	24024	Batavia	037	36	1992-06-01	67.3	57.1	48.8	60.1	CC	NG			10.8		
Seneca Power Partners, L.P.	Carthage Energy	E	23857	Carthage	045	36	1991-08-01	62.9	59.0	55.5	63.6	CC	NG	FO2		11.4		

**TABLE III-2 (cont'd)**  
Existing Generating Facilities

Owner, Operator, and / or Billing Organization	Station Unit	Zone	PTID	Location			In-Service Date YY-MM-DD	Name Plate Rating (V) (MW)	CRIS Sum Cap (A) (MW)	2015 Capability (B) (MW)		Co- Gen Unit Type	Fuel (U)			2014 Net Energy (GWh)	Notes
				Town	Cnty	St				SUM	WIN		Type 1	Type 2	Type 3		
Seneca Power Partners, L.P.	Hillburn GT	G	23639	Hillburn	087	36	1971-04-01	46.5	37.9	34.8	43.3	JE	KER		0.3		
Seneca Power Partners, L.P.	Shoemaker GT	G	23640	Middletown	071	36	1971-05-01	41.9	33.1	31.6	41.0	JE	KER		0.4		
Seneca Power Partners, L.P.	Sterling	E	23777	Sherrill	065	36	1991-06-01	65.3	57.4	50.1	63.0	CC	NG		22.4		
Sheldon Energy LLC	High Sheldon Wind Farm	C	323625	Sheldon	121	36	2009-02-01	112.5	112.5	112.5	112.5	WT	WND		270.7		
Shell Energy North America (US), L.P.	Glen Park Hydro	E	23778	Glen Park	045	36	1986-01-01	32.6	40.4	32.6	32.6	HY	WAT		168.3		
Shell Energy North America (US), L.P.	Lockport	A	23791	Lockport	063	36	1992-07-01	221.3	225.2	202.7	220.3	CC	NG	FO2	388.8		
Shell Energy North America (US), L.P.	Munnsville Wind Power	E	323609	Bouckville	053	36	2007-08-20	34.5	34.5	34.5	34.5	WT	WND		96.0		
Somerset Operating Company, LLC	Somerset	A	23543	Somerset	063	36	1984-08-01	655.1	686.5	681.5	681.2	ST	BIT		1,786.6		
Stephentown Spindle LLC	Beacon LESR	F	323632	Stephentown	083	36	2010-11-29	20.0	0.0	0.0	0.0	ES	FW		0.0		
Stony Creek Energy LLC	Orangeville Wind Farm	C	323706	Orangeville	121	36	2013-12-01	93.9	88.5	93.9	93.9	WT	WND		274.1		
TC Ravenswood, LLC	Ravenswood 01	J	23729	Queens	081	36	1967-07-01	18.6	8.8	9.3	9.6	GT	NG		0.1		
TC Ravenswood, LLC	Ravenswood 04	J	24252	Queens	081	36	1970-09-01	21.1	15.2	12.9	15.4	GT	KER	NG	0.2		
TC Ravenswood, LLC	Ravenswood 05	J	24254	Queens	081	36	1970-08-01	21.1	15.7	13.6	15.6	GT	KER		0.1		
TC Ravenswood, LLC	Ravenswood 06	J	24253	Queens	081	36	1970-08-01	22.0	16.7	13.4	15.8	GT	KER	NG	0.2		
TC Ravenswood, LLC	Ravenswood 09	J	24257	Queens	081	36	1970-07-01	25.0	21.7	16.9	21.7	JE	KER	NG	1.6		
TC Ravenswood, LLC	Ravenswood 10	J	24258	Queens	081	36	1970-08-01	25.0	21.2	18.0	22.8	JE	KER	NG	0.3		
TC Ravenswood, LLC	Ravenswood 11	J	24259	Queens	081	36	1970-08-01	25.0	20.2	17.2	22.8	JE	KER	NG	1.4		
TC Ravenswood, LLC	Ravenswood 2-1	J	24244	Queens	081	36	1970-12-01	42.9	40.4	32.7	37.4	JE	NG		1.6		
TC Ravenswood, LLC	Ravenswood 2-2	J	24245	Queens	081	36	1970-12-01	42.9	37.6	31.4	43.0	JE	NG		1.5		
TC Ravenswood, LLC	Ravenswood 2-3	J	24246	Queens	081	36	1970-12-01	42.9	39.2	0.0	0.0	JE	NG		0.0		
TC Ravenswood, LLC	Ravenswood 2-4	J	24247	Queens	081	36	1970-12-01	42.9	39.8	32.0	37.5	JE	NG		1.8		
TC Ravenswood, LLC	Ravenswood 3-1	J	24248	Queens	081	36	1970-08-01	42.9	40.5	30.3	40.9	JE	NG		1.4		
TC Ravenswood, LLC	Ravenswood 3-2	J	24249	Queens	081	36	1970-08-01	42.9	38.1	30.6	35.8	JE	NG		1.3		
TC Ravenswood, LLC	Ravenswood 3-3 (MB - 10/31/14)	J	24250	Queens	081	36	1970-08-01	42.9	37.7	0.0	0.0	JE	NG		0.9	(M) (6)	
TC Ravenswood, LLC	Ravenswood 3-4 (ReAct. - 8/20/14)	J	24251	Queens	081	36	1970-08-01	42.9	35.8	30.9	38.6	JE	NG		1.5	(D) (7)	
TC Ravenswood, LLC	Ravenswood CC 04	J	23820	Queens	081	36	2004-05-01	250.0	231.2	216.6	262.9	CC	NG	FO2	1,527.2		
TC Ravenswood, LLC	Ravenswood ST 01	J	23533	Queens	081	36	1963-02-01	400.0	365.1	366.2	363.6	ST	FO6	NG	696.3		
TC Ravenswood, LLC	Ravenswood ST 02	J	23534	Queens	081	36	1963-05-01	400.0	391.6	363.5	373.7	ST	FO6	NG	1,006.0		
TC Ravenswood, LLC	Ravenswood ST 03	J	23535	Queens	081	36	1965-06-01	1,027.0	986.8	969.2	960.1	ST	FO6	NG	1,540.3		
TransAlta Energy Marketing (U.S.) Inc.	Saranac Energy	D	23793	Plattsburgh	019	36	1994-06-01	285.6	253.7	244.9	273.4	CC	NG		224.3		
Triton Power Company	Chateaugay High Falls	D	323578	Chateaugay	033	36	1987-12-01	1.7	1.7	0.0	0.0	HY	WAT		4.3		
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	WT	WND		9.3		
Wheelabrator Hudson Falls, LLC	Wheelabrator Hudson Falls	F	23798	Hudson Falls	115	36	1991-10-01	14.4	12.7	11.4	11.7	ST	REF		74.9		
Wheelabrator Westchester, LP	Wheelabrator Westchester	H	23653	Peekskill	119	36	1984-04-01	59.7	53.5	52.7	53.6	ST	REF		388.7		
								<b>44,866.1</b>	<b>40,333.7</b>	<b>38,664.5</b>	<b>41,012.8</b>				<b>143,737.8</b>		

## NOTES FOR TABLE III-2 (Existing Generating Facilities)

Note	Owner / Operator	Station Unit	Zone	PTID	Note
1	Astoria Generating Company L.P.	Astoria 2 (Reactivation - 12/31/14)	J	24149	Unit produced power during Dec 2014.
2	Binghamton BOP, LLC	Binghamton (Reactivation - 12/16/2014)	C	23790	Unit produced power during Dec 2014.
3	Danskammer Energy, LLC	Danskammer 3 (Reactivation - 12/16/14)	G	23590	Unit produced power during Dec 2014.
4	Danskammer Energy, LLC	Danskammer 4 (Reactivation - 11/1/14)	G	23591	Unit produced power during months Nov - Dec 2014.
5	Marsh Hill Energy LLC	Marsh Hill Wind Farm	C	323713	Unit produced power during months Nov - Dec 2014.
6	TC Ravenswood, LLC	Ravenswood 3-3 (Mothball - 10/31/14)	J	24250	Unit produced power during months Jan - Jul 2014.
7	TC Ravenswood, LLC	Ravenswood 3-4 (Reactivation - 8/20/14)	J	24251	Unit produced power during months Aug - Dec 2014
A	Various	Generating Units	A-K	Various	Summer 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 2015 ICAP Market. Winter Capability reflects DMNC values that were applicable to the Winter 2014-2015 ICAP Market. DMNC stands for Dependable Maximum Net Generating Capability.
D	Various	Generating Units	A-K	Various	Unit(s) returned to service from mothballed status.
G	Various	Generating Station	A-K	Various	Generation is reported as Station Total.
M	Various	Mothballed Generator	A-K	Various	This unit is mothballed and therefore treated as retired, per PSC order in Case 05-E-0889, fn 1.
N	Various	New Generator	A-K	Various	Unit(s) added since the publication of the 2014 Load and Capacity Data Report.
S	Various	RSS Generator	A-K	Various	This unit is operating under a RSS (Reliability Support Services) agreement.
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.
V	Various	Generating Units	A-K	Various	Typically, Name Plate refers to a historic rating and may not reflect the most current value.

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

		ZONE											TOTAL	
		A	B	C	D	E	F	G	H	I	J	K		
<i>Generator Type</i>		<i>Summer Capability Period (MW) (1)</i>												
<i>Fossil</i>	Steam Turbine (Oil)	0.0	0.0	828.5	0.0	0.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0	838.0
	Steam Turbine (Oil & Gas)	0.0	0.0	826.5	0.0	0.0	0.0	2,090.0	0.0	0.0	2,777.8	2,363.2	8,057.5	
	Steam Turbine (Gas)	0.0	0.0	0.0	0.0	0.0	0.0	369.5	0.0	0.0	1,009.2	0.0	1,378.7	
	Steam Turbine (Coal)	1,164.3	0.0	304.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,468.6	
	Combined Cycle (Oil & Gas)	381.5	0.0	313.0	80.3	136.6	2,900.6	0.0	0.0	0.0	3,196.4	559.6	7,568.0	
	Combined Cycle (Gas)	0.0	108.8	910.8	244.9	50.1	0.0	0.0	0.0	0.0	0.0	127.1	1,441.7	
	Jet Engine (Oil)	0.0	0.0	0.0	0.0	0.0	0.0	66.4	0.0	0.0	0.0	656.1	722.5	
	Jet Engine (Oil & Gas)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	908.2	159.4	1,067.6	
	Jet Engine (Gas)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	187.9	53.9	241.8	
	Combustion Turbine (Oil)	0.0	0.0	0.0	0.0	0.0	0.0	18.2	0.0	0.0	466.1	590.3	1,074.6	
	Combustion Turbine (Oil & Gas)	0.0	0.0	0.0	0.0	0.0	0.0	19.0	0.0	0.0	604.9	337.2	961.1	
	Combustion Turbine (Gas)	38.6	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	446.5	228.9	719.0	
	Internal Combustion (Oil / Gas)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.5	54.5	
<i>Pumped Storage</i>	Pumped Storage Hydro	240.0	0.0	0.0	0.0	0.0	1,167.2	0.0	0.0	0.0	0.0	0.0	1,407.2	
<i>Nuclear</i>	Steam (PWR Nuclear)	0.0	581.4	0.0	0.0	0.0	0.0	0.0	2,054.8	0.0	0.0	0.0	2,636.2	
	Steam (BWR Nuclear)	0.0	0.0	2,763.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,763.8	
<i>Renewable (2)</i>	Conventional Hydro	2,449.4	63.8	108.7	902.7	375.8	313.5	78.1	0.0	0.0	0.0	0.0	4,292.0	
	Internal Combustion (Methane)	18.4	13.6	45.3	6.4	11.2	10.4	0.0	0.0	0.0	0.0	0.0	105.3	
	Steam Turbine (Wood)	43.2	0.0	0.0	0.0	71.1	0.0	0.0	0.0	0.0	0.0	0.0	114.3	
	Steam Turbine (Refuse)	36.8	0.0	32.1	0.0	0.0	11.4	7.7	52.7	0.0	0.0	119.2	259.9	
	Wind	120.5	0.0	512.8	385.5	441.9	0.0	0.0	0.0	0.0	0.0	0.0	1,460.7	
	Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.5	31.5	
<b>Totals</b>		<b>4,492.7</b>	<b>767.6</b>	<b>6,650.8</b>	<b>1,619.8</b>	<b>1,086.7</b>	<b>4,412.6</b>	<b>2,648.9</b>	<b>2,107.5</b>	<b>0.0</b>	<b>9,597.0</b>	<b>5,280.9</b>	<b>38,664.5</b>	

(1) Values are from the Summer Capability column in Table III-2: Existing Generating Facilities.

(2) The Renewable Category does not necessarily match the New York State Renewable Portfolio Standard (RPS) Definition.

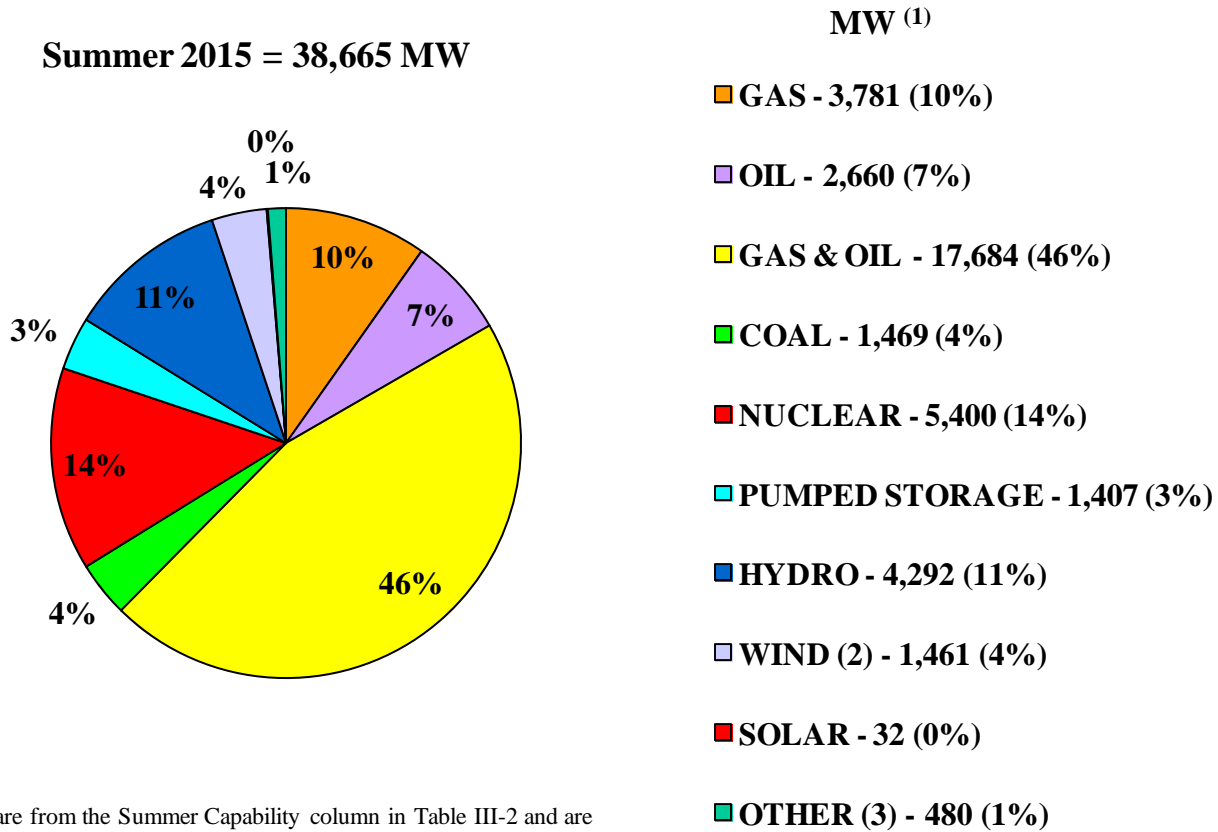
**Table III-3b: Capability by Zone and Type – Winter**

		ZONE											TOTAL
		A	B	C	D	E	F	G	H	I	J	K	
Generator Type		Winter Capability Period (MW) (1)											
<i>Fossil</i>	Steam Turbine (Oil)	0.0	0.0	825.5	0.0	0.0	9.8	0.0	0.0	0.0	0.0	0.0	835.3
	Steam Turbine (Oil & Gas)	0.0	0.0	832.0	0.0	0.0	0.0	2,085.8	0.0	0.0	2,777.3	2,346.0	8,041.1
	Steam Turbine (Gas)	0.0	0.0	0.0	0.0	0.0	0.0	316.2	0.0	0.0	1,034.6	0.0	1,350.8
	Steam Turbine (Coal)	1,161.7	0.0	307.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,469.0
	Combined Cycle (Oil & Gas)	424.8	0.0	372.6	90.7	152.9	3,456.9	0.0	0.0	0.0	3,611.8	655.5	8,765.2
	Combined Cycle (Gas)	0.0	121.8	1,112.0	273.4	63.0	0.0	0.0	0.0	0.0	0.0	134.0	1,704.2
	Jet Engine (Oil)	0.0	0.0	0.0	0.0	0.0	0.0	84.3	0.0	0.0	0.0	788.1	872.4
	Jet Engine (Oil & Gas)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,082.8	196.6	1,279.4
	Jet Engine (Gas)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	233.2	57.1	290.3
	Combustion Turbine (Oil)	0.0	0.0	0.0	0.0	0.0	0.0	23.3	0.0	0.0	595.0	739.0	1,357.3
	Combustion Turbine (Oil & Gas)	0.0	0.0	0.0	0.0	0.0	0.0	23.3	0.0	0.0	773.5	371.4	1,168.2
	Combustion Turbine (Gas)	45.6	0.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	452.4	235.7	740.6
	Internal Combustion (Oil / Gas)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.7	55.7
<i>Pumped Storage</i>	Pumped Storage Hydro	240.0	0.0	0.0	0.0	0.0	1,169.2	0.0	0.0	0.0	0.0	0.0	1,409.2
<i>Nuclear</i>	Steam (PWR Nuclear)	0.0	582.8	0.0	0.0	0.0	0.0	0.0	2,078.0	0.0	0.0	0.0	2,660.8
	Steam (BWR Nuclear)	0.0	0.0	2,779.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,779.1
<i>Renewable (2)</i>	Conventional Hydro	2,446.7	63.8	108.7	880.3	375.8	313.6	77.7	0.0	0.0	0.0	0.0	4,266.6
	Internal Combustion (Methane)	18.4	13.6	45.3	6.4	11.2	10.4	0.0	0.0	0.0	0.0	0.0	105.3
	Steam Turbine (Wood)	37.2	0.0	0.0	0.0	73.0	0.0	0.0	0.0	0.0	0.0	0.0	110.2
	Steam Turbine (Refuse)	35.0	0.0	30.8	0.0	0.0	11.7	7.4	53.6	0.0	0.0	121.4	259.9
	Wind	120.5	0.0	512.8	385.5	441.9	0.0	0.0	0.0	0.0	0.0	0.0	1,460.7
	Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.5	31.5
<i>Totals</i>		4,529.9	782.0	6,933.0	1,636.3	1,117.8	4,971.6	2,618.0	2,131.6	0.0	10,560.6	5,732.0	41,012.8

(1) Values are from the Summer Capability column in Table III-2: Existing Generating Facilities.

(2) The Renewable Category does not necessarily match the New York State Renewable Portfolio Standard (RPS) Definition.

**Figure III-1: 2015 NYCA Summer Capability by Fuel Type**

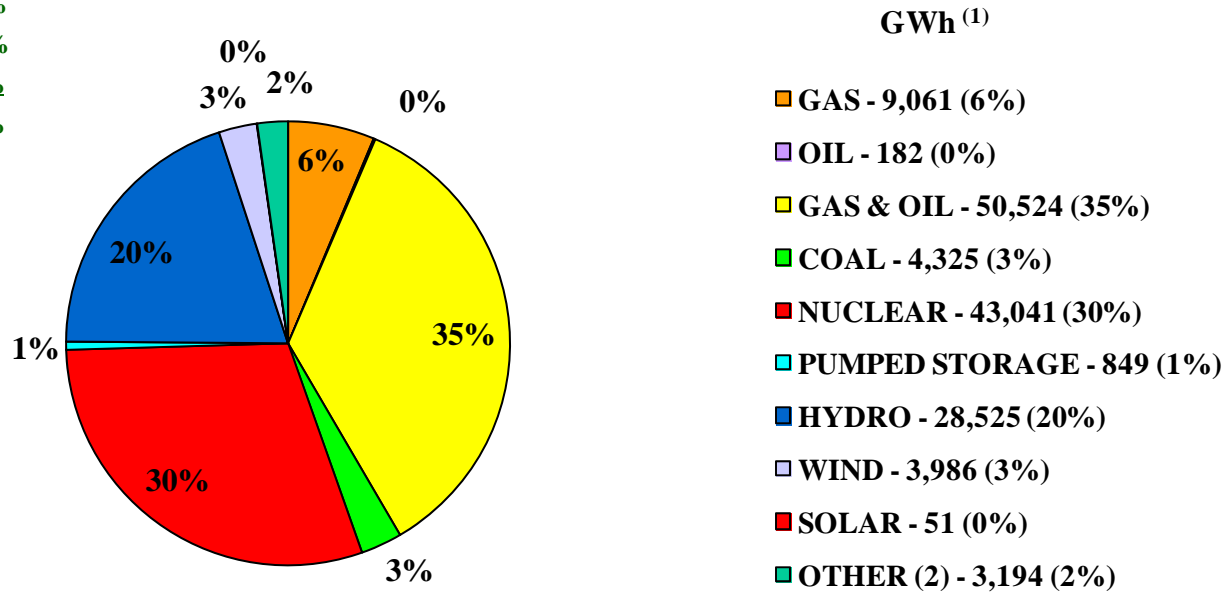


(1) - All values are from the Summer Capability column in Table III-2 and are rounded to the nearest whole MW.  
 (2) - While there is a total of 1746 MW of Installed Nameplate, 285 MW do not participate in the Installed Capacity market.  
 (3) - Includes Methane, Refuse & Wood.



**Figure III-2: 2014 NYCA Energy Generation by Fuel Type**

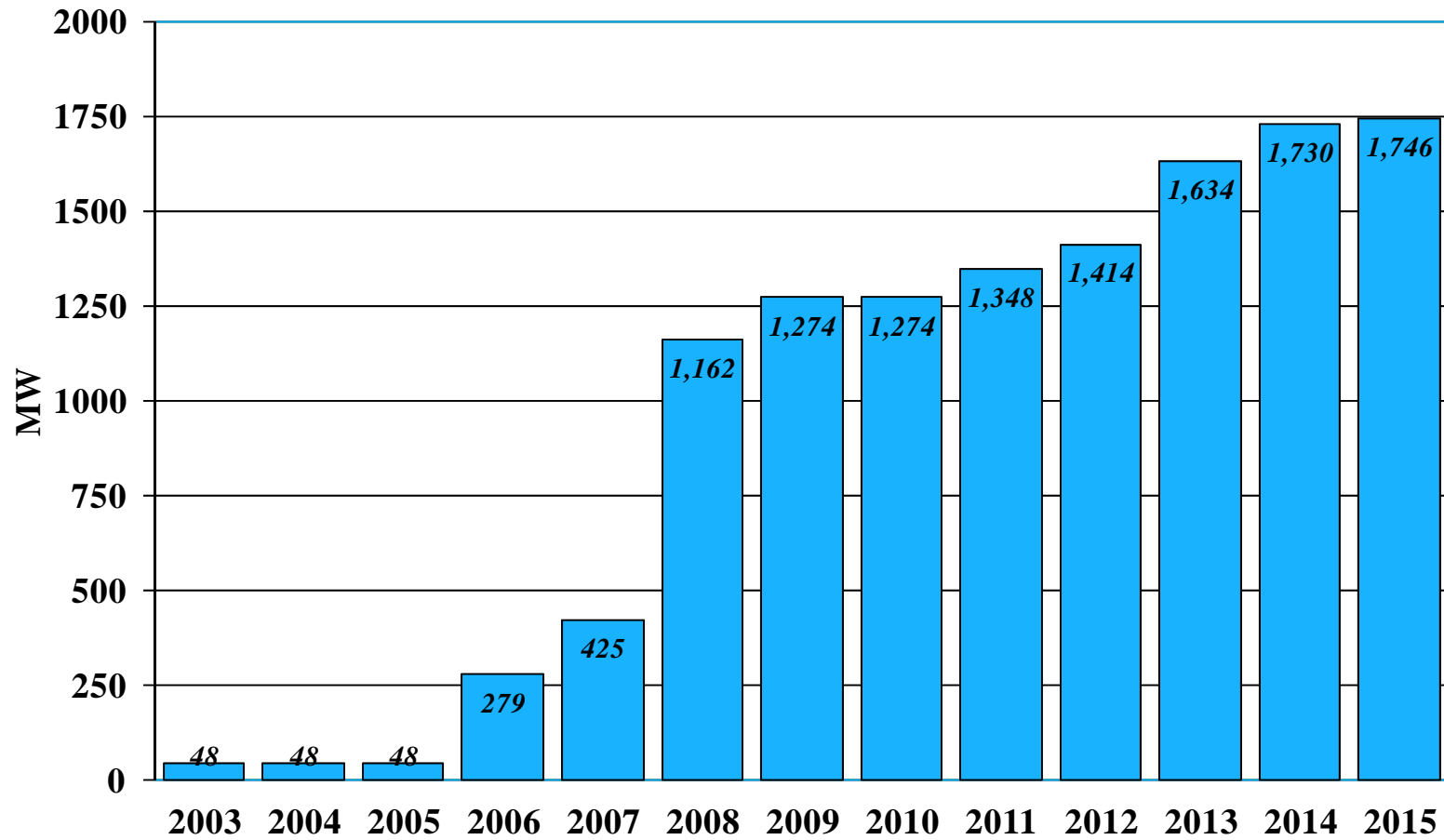
**Renewable Resources (3)**  
**Conventional Hydro 20%**  
**Wind 3%**  
**Solar 0%**  
**Other 2%**  
**Total 25%**



**Total 2014 = 143,738 GWh**

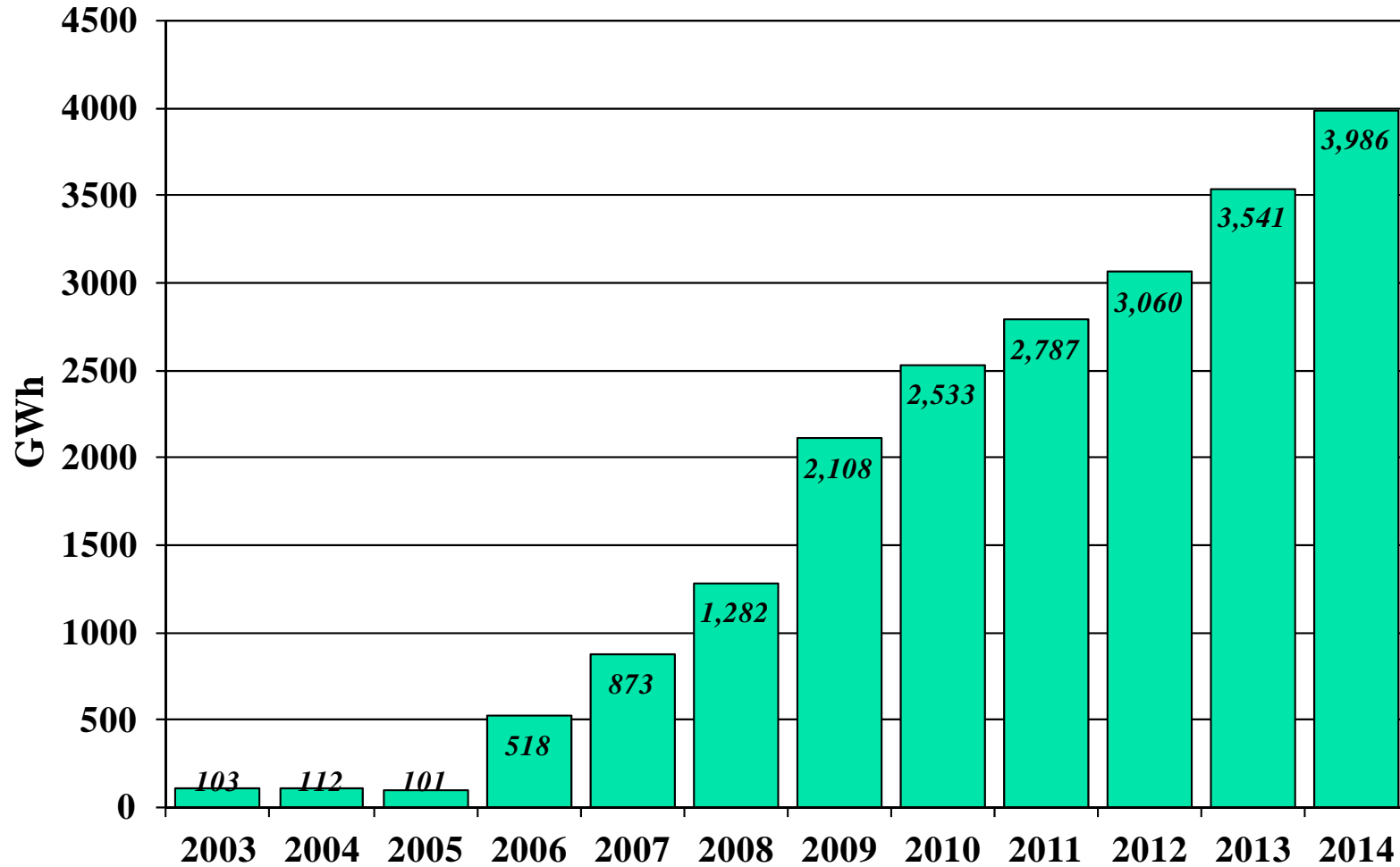
(1) - All values are rounded to the nearest whole GWh.  
 (2) - Includes Methane, Refuse & Wood.  
 (3) - Renewable Resources do not necessarily match the NYS Renewable Portfolio Standard (RPS) Definition.

**Figure III-3: NYCA Wind Plants – Historic Installed Nameplate Capacity**



Note: Not all wind generation participates in the NYISO Capacity Market.

**Figure III-4: NYCA Wind Plants – Historic Energy Generation**



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## **SECTION IV: CHANGES IN GENERATING CAPACITY**



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## Section IV

This section reports a list of proposed projects pursuing the NYISO interconnection process by Class Year<sup>13</sup>, together with other generator additions, re-ratings and retirements. As shown in Table IV-1, one new project amounting to 19 MW of summer capacity and 23 MW of winter capacity has met the inclusion rule for the 2014 Reliability Needs Assessment (RNA) Base Case.

Resources located within the PJM, ISO-New England and Quebec Control Areas may qualify as Installed Capacity Suppliers to the NYCA. Currently, the Independent Electricity System Operator of Ontario (IESO), which operates another Control Area directly interconnected to the NYCA, does not meet the NYISO requirement relating to the recall of transactions associated with capacity sold to New York. Therefore, resources located within the IESO Control Area do not currently qualify as Installed Capacity Suppliers to the NYCA.<sup>14</sup>

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<sup>13</sup> Under the NYISO interconnection process, Interconnection Facilities Studies for proposed generation and merchant transmission projects are performed under the Class Year process defined in Attachment S of the NYISO OATT. A “Class Year” refers to the group of such projects included for evaluation in a given Class Year Facilities Study.

<sup>14</sup> As noted in Section 4.9.6 of the NYISO Installed Capacity Manual, Version 6.28 (ICAP Manual), the resources within the IESO Control Area may qualify as Installed Capacity Suppliers to the NYCA for the Winter 2015-2016 Capability Period if, prior to September 1, 2015, the IESO Control Area satisfies the eligibility criteria for supplying Unforced Capacity to the NYCA specified in the ICAP Manual, Section 2.7.

## Table IV-1: Proposed Generator Additions

QUEUE POS.	OWNER / OPERATOR	STATION UNIT	ZONE	DATE	NAMEPLATE RATING (MW)	CRIS <sup>1</sup> (MW)	SUMMER (MW)	WINTER (MW)	UNIT TYPE	CLASS YEAR	NOTES
<b><u>Completed Class Year Facilities Study</u></b>											
197	PPM Roaring Brook, LLC / PPM	Roaring Brook Wind	E	2015/12	78.0	0.0	78.0	78.0	Wind Turbines	2008	
251	CPV Valley, LLC	CPV Valley Energy Center	G	2016/05	820.0	680.0	677.6	690.6	Combined Cycle	2011	
349	Taylor Biomass Energy Mont., LLC	Taylor Biomass	G	2017/02	21.0	19.0	19.0	22.5	Solid Waste	2011	(2)
201	NRG Energy	Berrians GT	J	2017/10	200.0	155.0	200.0	200.0	Combined Cycle	2011	
224	NRG Energy, Inc.	Berrians GT II	J	2017/10	78.9	0.0	50.0	90.0	Combined Cycle	2011	
266	NRG Energy, Inc.	Berrians GT III	J	2019/01	278.9	250.0	250.0	290.0	Combined Cycle	2012	
<b><u>Class Year 2015 Candidates</u></b> <sup>3</sup>											
431	Greenidge Generation	Greenidge Unit #4	C	2015/Q1	106.3	TBD	106.3	106.3	Combustion Turbines		
397	EDP Renewables North America	Jericho Rise Wind	D	2015/11	79.9	TBD	79.9	79.9	Wind Turbines		
395	Copenhagen Wind Farm, LLC	Copenhagen Wind	E	2016/12	79.9	TBD	79.9	79.9	Wind Turbines		
401	Caithness Long Island II, LLC	Caithness Long Island II	K	2017/05	807.0	TBD	764.0	807.0	Combined Cycle		
<b><u>Future Class Year Candidates</u></b> <sup>4</sup>											
360	NextEra Energy Resources, LLC	Watkins Glen Wind	C	2015/07	122.4	TBD	122.4	122.4	Wind Turbines		
270	Wind Development Contract Co, LLC	Hounsfield Wind	E	2015/12	244.8	TBD	244.8	244.8	Wind Turbines		
347	Franklin Wind Farm, LLC	Franklin Wind	E	2015/12	50.4	TBD	50.4	50.4	Wind Turbines		
387	Cassadaga Wind, LLC	Cassadaga Wind	A	2015/12	126.0	TBD	126.0	126.0	Wind Turbines		
382	Astoria Generating Co.	South Pier Improvement	J	2016/06	95.5	TBD	91.2	95.5	Combustion Turbines		
383	NRG Energy, Inc.	Bowline Gen. Station Unit #3	G	2016/06	814.0	TBD	775.0	814.0	Combined Cycle		
396	Baron Winds, LLC	Baron Winds	C	2016/12	300.0	TBD	300.0	300.0	Wind Turbines		
361	US PowerGen Co.	Luyster Creek Energy	J	2017/06	508.6	TBD	401.0	444.0	Combined Cycle		
372	Dry Lots Wind, LLC	Dry Lots Wind	E	2017/11	33.0	TBD	33.0	33.0	Wind Turbines		
371	South Mountain Wind, LLC	South Mountain Wind	E	2017/12	18.0	TBD	18.0	18.0	Wind Turbines		
276	Air Energie TCI, Inc.	Crown City Wind	C	2018/12	90.0	TBD	90.0	90.0	Wind Turbines		
<b><u>Other Non Class Year Generators</u></b> <sup>5</sup>											
180A	Green Power	Cody Rd.	C	2015/07	10.0	0.0	10.0	10.0	Wind Turbines		
398	Black Oak Wind Farm, LLC	Black Oak Wind	C	2015/11	12.6	0.0	12.6	12.6	Wind Turbines		
377	Monroe County	Monroe County Mill Seat	B	2015/Q4	3.2	0.0	3.2	3.2	Methane		
362	Monticello Hills Wind, LLC	Monticello Hills Wind	E	2016/12	19.8	0.0	19.8	19.8	Wind Turbines		
<b>Total</b>							<b>4,602.1</b>	<b>4,827.9</b>			

Notes:

1. CRIS values reflect capacity level of the unit that is deemed deliverable. See Definitions of Labels on Load & Capacity Schedule (Sec. V) for description.
2. Projects that met the inclusion rule for the 2014 RNA Base Case and are included as new additions in this year's Load and Capacity Schedule, Table V-2a & V-2b.
3. Projects that are potential members of the current Class Year – Class Year 2015 (i.e., projects that have satisfied the eligibility criteria for entry into Class Year 2015 and that have provided notice to the NYISO of their desire to enter Class Year 2015. Membership in Class Year 2015 will be limited to those among this list of projects that execute the required study agreement and provide the required deposit and data within the deadline set forth in Attachment X. This list does not include Merchant Transmission Facilities, uprates to existing facilities, facilities seeking increases in CRIS, or former Class Year projects seeking to be re-evaluated for Deliverability.
4. Projects that are potential candidates for a Class Year Study after Class Year 2015, i.e., Large Generating Facilities with Operating Committee approved System Reliability Impact Studies and Small Generating Facilities that have completed a comparable milestone and for which non-Local System Upgrade Facilities are required.
5. Small Generating Facilities that are not subject to a Class Year Interconnection Facilities Study but that have achieved comparable milestones to projects in the "Class Candidates" section.



**Table IV-2a: Proposed Generator Re-ratings**

QUEUE POS.	OWNER / OPERATOR	STATION UNIT	ZONE	DATE	PTID	Class Year	INCREMENTAL CAPABILITY (MW)				TOTAL CAPABILITY (MW)			
							Nameplate Rating	CRIS	SUMMER	WINTER	Nameplate Rating	CRIS	SUMMER	WINTER
403	PSEG Power New York	Bethlehem Energy Center	F	2017-2018	23843	(1)	11.9	TBD	72	51.2	905	TBD	835	905
338	Rochester Gas & Electric Corp	Station 2	B	2018/09	23604		6.3	0	6.3	6.3	14.8	6.5	14.8	14.8
<b>Total</b>							<b>18.2</b>	<b>0.0</b>	<b>78.3</b>	<b>57.5</b>	<b>919.8</b>	<b>6.5</b>	<b>849.8</b>	<b>919.8</b>

1. Class Year 2015 Candidate.

**Table IV-2b: Scheduled Generator Re-ratings and Returns to Service**

OWNER / OPERATOR	STATION UNIT	ZONE	DATE <sup>(1)</sup>	PTID	CRIS	INCREMENTAL CAPABILITY (MW)		TOTAL CAPABILITY <sup>(2)</sup>		Notes
						SUMMER	WINTER	SUMMER	WINTER	
GenOn Energy Management, LLC	Bowline 2	G	Summer 2015	23595	557.4	374.4	374.4	557.4	557.4	(3)
NRG Power Marketing LLC	Dunkirk 3	A	Summer 2016	23565	201.4	180.0	180.0	180.0	180.0	(4)
NRG Power Marketing LLC	Dunkirk 4	A	Summer 2016	23566	199.1	180.0	180.0	180.0	180.0	(4)
Total					<b>957.9</b>	<b>734.4</b>	<b>734.4</b>	<b>917.4</b>	<b>917.4</b>	

1. Date reflects the capability period of the anticipated rerating or returning to service

2. The anticipated capacity has met the inclusion rule for the 2014 CRP Base Case and are included as additions in this year's Load and Capacity Schedule, Table V-2a & V-2b

3. Unit is scheduled to return to full capacity during summer 2015 capability period.

4. Unit is scheduled to operate under a ten-year Reliability Support Services agreement.

## Tables IV-3 and IV-4: Generator Retirements<sup>1</sup>

### Table IV-3: Units Removed from Existing Capacity in the Previous 3 Years with Unexpired CRIS Rights

OWNER / OPERATOR	STATION UNIT	ZONE	DATE (2)	PTID	CRIS (3)	SUMMER (3)	WINTER (3)	Notes
Astoria Generating Company L.P.	Astoria 4	J	4/18/2012	23517	375.6	381.2	386.8	(5)
Erie Blvd. Hydro - Seneca Oswego	Seneca Oswego Fulton 1	C	1/8/2013	24041	0.7	0.8	0.8	
Erie Blvd. Hydro - Seneca Oswego	Seneca Oswego Fulton 2	C	1/8/2013	24041	0.3	0.5	0.5	
Freeport Electric	Freeport 1-1	K	1/5/2013	1660	0	1.5	2	(4)
Long Island Power Authority	Far Rockaway ST 04	K	1/7/2012	23548	110.6	106.7	106.2	(4)
Long Island Power Authority	Glenwood ST 04	K	1/7/2012	23550	118.7	115	111	(4)
Long Island Power Authority	Glenwood ST 05	K	1/7/2012	23614	122	108.7	105.5	(4)
Long Island Power Authority	Montauk Units #2, #3, #4	K	4/5/2013	23721	6	5.7	3.2	(4)
New York Power Authority	Kensico Units #1, #2, #3	I	9/25/2012	23655	3	3	3	(4)
NRG Power Marketing LLC	Dunkirk 1	A	6/1/2013	23563	96.2	75	75	(5)
NRG Power Marketing LLC	Dunkirk 3	A	9/11/2012	23565	201.4	185	185	(5)
NRG Power Marketing LLC	Dunkirk 4	A	9/11/2012	23566	199.1	185	185	(5)
ReEnergy Chateaugay LLC	Chateaugay Power	D	6/3/2013	23792	18.6	18.2	18.5	(5)
Rochester Gas and Electric Corp.	Station 9	B	3/3/2014	23652	15.8	14.3	18.3	(4)
Syracuse Energy Corporation	Syracuse Energy ST1	C	9/25/2013	323597	11	11	11	(4)
Syracuse Energy Corporation	Syracuse Energy ST2	C	9/25/2013	323598	58.9	63.9	61.4	(4)
TC Ravenswood, LLC	Ravenswood 07	J	3/13/2014	24255	16.5	12.7	15.4	(5)
Total					<b>1354.4</b>	<b>1288.2</b>	<b>1288.6</b>	

1. The term "retirement" is defined per PSC Order in Case 05-E-0889, footnote 1: "The Instituting Order defined "retirements" to collectively include shut-downs, abandonments, mothballing, and other circumstances where a generating unit is taken out of service for a substantial period of time, excluding scheduled maintenance and forced outages."

2. The effective date as per the Letter of Intent to Retire or Mothball Unit, as applicable.

3. The CRIS, and Summer and Winter capacity levels are those that were in effect when the unit was last in-service.

4. Unit owner provided notice of retirement. The CRIS, and Summer and Winter capacity levels were in effect when the unit was last in-service.

5. Unit owner provided notice of mothballing. The CRIS, and Summer and Winter capacity levels were in effect when the unit was last in-service.

**Table IV-4a: Proposed Retirements or Mothballing Effective after March 1, 2015**

OWNER / OPERATOR	STATION UNIT	ZONE	DATE (1)	PTID	CAPABILITY (MW)			Notes
					CRIS	SUMMER	WINTER	
NRG Power Marketing LLC	Astoria GT 10	J	06/01/2017	24110	24.9	17.2	20.7	(2)
NRG Power Marketing LLC	Astoria GT 11	J	06/01/2017	24225	23.6	16.5	20.6	(2)
NRG Power Marketing LLC	Astoria GT 12	J	06/01/2017	24226	22.7	17.2	21.9	(2)
NRG Power Marketing LLC	Astoria GT 13	J	06/01/2017	24227	24.0	17.1	21.1	(2)
				Total	<b>95.2</b>	<b>68.0</b>	<b>84.3</b>	

1. The effective date as per the Letter of Intent to Retire or Mothball.
2. The removal of these units is associated with the addition of the Berrians I and Berrians II units. (See Table IV-1).

**Table IV-4b: 2015 Scheduled Retirements or Mothballing Effective after March 1, 2015**

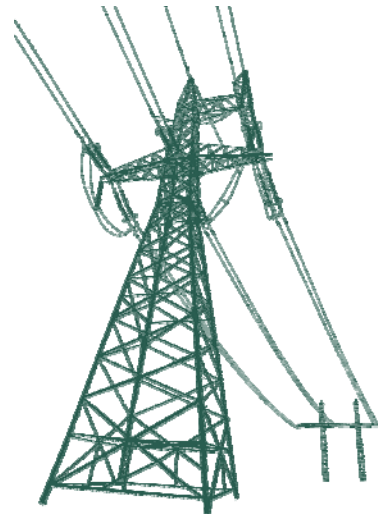
OWNER / OPERATOR	STATION UNIT	ZONE	DATE (1)	PTID	CAPABILITY (MW)			Notes
					CRIS	SUMMER	WINTER	
Cayuga Operating Company, LLC	Cayuga 1	C	07/01/2017	23584	154.1	153.3	153.7	(2)
Cayuga Operating Company, LLC	Cayuga 2	C	07/01/2017	23585	154.7	151.0	153.6	(2)
				Total	<b>308.8</b>	<b>304.3</b>	<b>307.3</b>	

1. The effective date as per the Letter of Intent to Retire or Mothball.
2. Unit is currently operating under a Reliability Support Services agreement through June 30, 2017.

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**SECTION V:**  
**LOAD & CAPACITY SCHEDULE**  
**AS OF MARCH 15, 2015**



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## Section V

This section provides a summary of NYCA load and capacity from 2014 through 2025. Table V-1 is a summary of Net Purchases from External Control Areas from 2015 through 2025, Table V-2a is a summary of the NYCA Load and Capacity Schedule for the Summer Capability Period from 2014 through 2025, and Table V-2b is a summary of the NYCA Load and Capacity Schedule for the Winter Capability Period from Winter 2014/2015 through 2025/2026. Information for Tables V-2a and V-2b is obtained from Tables I-1, III-2, IV-1 through IV-4, and V-1. Definitions of the entries reported in Table V-2 are on the following page.

Additionally, 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 1,124 MW of summer capacity and 885 MW of winter capacity. Tables V-2a and V-2b also report the summer and winter capacity projections for Special Case Resources.

The NYCA Resource Capability for 2015 Summer Capability Period totals 40,163 MW. With the inclusion of Net Purchases, the Total Resource Capability is 41,610 MW for the 2015 Summer Capability Period. Proposed additions, retirements and re-ratings that do not meet Base Case inclusion rules are reported in total as Proposed Resources Changes in Table V-2a or Table V-2b.

## Definitions of Labels on Load and Capacity Schedule

Existing Generating Facilities	Generating facilities that have been in operation prior to the seasonal peak demand
Additions	Generating additions expected prior to the seasonal peak demand
Re-ratings	Generator re-ratings expected prior to the seasonal peak demand
Retirements	Generating retirements expect prior to the seasonal peak demand
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 Purchases	Positive values of net purchases represent capacity that is imported to NYCA, after subtracting sales that are exported to other areas.
Unforced Capacity Deliverability Rights (UDRs)	Controllable transmission projects that provide a transmission interface into NYCA
Total Resource Capability	The sum of NYCA Resource Capability and Net Purchases
Peak Demand Forecast	Baseline forecast of coincident peak demand of the New York Control Area
Expected Reserve	Total Resource Capability minus Peak Demand.
Reserve Margin %	Expected Reserve divided by Peak Demand expressed as a percentage
Proposed Resource Changes	All proposed generator additions, re-ratings and retirements from Section IV, except those that have met Base Case inclusion rules as described in the Reliability Planning Process (RPP) manual
Adjusted Resource Capability	The Total Resource Capability plus all Proposed Resource Changes
Adjusted Reserve	Adjusted Resource Capability minus Peak Demand
Adjusted Reserve Margin %	Adjusted Reserve divided by Peak Demand expressed as a percentage
Capacity Resource Interconnection Service (CRIS)	CRIS values, in MW of Installed Capacity, for the Summer Capability Period established pursuant to the applicable deliverability requirements contained in Attachments X, S, and Z to the NYISO OATT



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

<i>SUMMER NET PURCHASES</i>										
MW (1, 2, 3)										
2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
<b>1446.4</b>	<b>1147.4</b>	<b>1555.4</b>	<b>1179.4</b>	<b>2233.4</b>	<b>2233.4</b>	<b>2233.4</b>	<b>2233.4</b>	<b>2233.4</b>	<b>2233.4</b>	<b>2233.4</b>
<i>WINTER NET PURCHASES</i>										
MW (1, 2, 3)										
2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26
<b>338.3</b>	<b>-4.5</b>	<b>403.5</b>	<b>327.5</b>	<b>1081.5</b>	<b>1081.5</b>	<b>1081.5</b>	<b>1081.5</b>	<b>1081.5</b>	<b>1081.5</b>	<b>1081.5</b>

(1) Positive Net Purchases represent that NYCA purchases from other control areas are greater than total sales to them.

(2) Figures include the use of Unforced Capacity Deliverability Rights (UDRs) as currently known. 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 2018.

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

<b><u>SUMMER CAPABILITY</u></b>		<b>MW</b>												<b>Totals</b>	
		<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>		
<i>Fossil</i>	Steam Turbine (Oil)	759.3	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	838.0	
	Steam Turbine (Oil & Gas)	7945.4	8057.5	8431.9	8431.9	8431.9	8431.9	8431.9	8431.9	8431.9	8431.9	8431.9	8431.9	8431.9	
	Steam Turbine (Gas)	837.6	1378.7	1378.7	1738.7	1738.7	1738.7	1738.7	1738.7	1738.7	1738.7	1738.7	1738.7	1738.7	
	Steam Turbine (Coal)	1495.1	1468.6	1468.6	1468.6	1164.3	1164.3	1164.3	1164.3	1164.3	1164.3	1164.3	1164.3	1164.3	
	Combined Cycle (Oil & Gas)	7548.7	7568.0	7568.0	7568.0	7568.0	7568.0	7568.0	7568.0	7568.0	7568.0	7568.0	7568.0	7568.0	
	Combined Cycle (Gas)	1443.9	1441.7	1441.7	1441.7	1441.7	1441.7	1441.7	1441.7	1441.7	1441.7	1441.7	1441.7	1441.7	
	Jet Engine (Oil)	721.0	722.5	722.5	722.5	722.5	722.5	722.5	722.5	722.5	722.5	722.5	722.5	722.5	
	Jet Engine (Oil & Gas)	1083.4	1067.6	1067.6	1067.6	1067.6	1067.6	1067.6	1067.6	1067.6	1067.6	1067.6	1067.6	1067.6	
	Jet Engine (Gas)	275.4	241.8	241.8	241.8	241.8	241.8	241.8	241.8	241.8	241.8	241.8	241.8	241.8	
	Combustion Turbine (Oil)	1058.3	1074.6	1074.6	1074.6	1074.6	1074.6	1074.6	1074.6	1074.6	1074.6	1074.6	1074.6	1074.6	
	Combustion Turbine (Oil & Gas)	1020.5	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1	
	Combustion Turbine (Gas)	668.6	719.0	719.0	719.0	719.0	719.0	719.0	719.0	719.0	719.0	719.0	719.0	719.0	
	Internal Combustion (Oil/Gas)	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	
<i>Pumped Storage</i>	Pumped Storage Hydro	1406.1	1407.2	1407.2	1407.2	1407.2	1407.2	1407.2	1407.2	1407.2	1407.2	1407.2	1407.2	1407.2	
<i>Nuclear</i>	Steam (PWR Nuclear)	2642.4	2636.2	2636.2	2636.2	2636.2	2636.2	2636.2	2636.2	2636.2	2636.2	2636.2	2636.2	2636.2	
	Steam (BWR Nuclear)	2775.9	2763.8	2763.8	2763.8	2763.8	2763.8	2763.8	2763.8	2763.8	2763.8	2763.8	2763.8	2763.8	
<i>Renewable (5)</i>	Conventional Hydro	4272.1	4292.0	4292.0	4292.0	4292.0	4292.0	4292.0	4292.0	4292.0	4292.0	4292.0	4292.0	4292.0	
	Internal Combustion (Methane)	104.2	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3	
	Steam Turbine (Wood)	109.2	114.3	114.3	114.3	114.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	
	Steam Turbine (Refuse)	262.6	259.9	259.9	259.9	259.9	259.9	259.9	259.9	259.9	259.9	259.9	259.9	259.9	
	Wind	1462.6	1460.7	1460.7	1460.7	1460.7	1460.7	1460.7	1460.7	1460.7	1460.7	1460.7	1460.7	1460.7	
	Solar	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	
<b>EXISTING GENERATING FACILITIES</b>		37978.3	38664.5	39038.9	39398.9	39094.6	39113.6	39113.6	39113.6	39113.6	39113.6	39113.6	39113.6	39113.6	
	Special Case Resources - SCR (3)	1189.0	1124.4	1124.4	1124.4	1124.4	1124.4	1124.4	1124.4	1124.4	1124.4	1124.4	1124.4	1124.4	
<i>Changes (10)</i>	Additions and Uprates	0.0	374.4	360.0	0.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	753.4
	Scheduled Retirements (9)	0.0	0.0	0.0	-304.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-304.3
<b>NYCA RESOURCE CAPABILITY</b>		39167.3	40163.3	40523.3	40219.0	40238.0	40238.0	40238.0	40238.0	40238.0	40238.0	40238.0	40238.0	40238.0	
<i>Contracts</i>	Net Purchases (1) (7)	2130.2	1446.4	1147.4	1555.4	1179.4	2233.4	2233.4	2233.4	2233.4	2233.4	2233.4	2233.4	2233.4	
<b>TOTAL RESOURCE CAPABILITY</b>		41297.5	41609.7	41670.7	41774.4	41417.4	42471.4	42471.4	42471.4	42471.4	42471.4	42471.4	42471.4	42471.4	
<b><u>BASE FORECAST</u></b>															
<b>Peak Demand Forecast</b>			33567.0	33636.0	33779.0	33882.0	34119.0	34309.0	34469.0	34639.0	34823.0	35010.0	35219.0		
<b>Expected Reserve</b>			8042.7	8034.7	7995.4	7535.4	8352.4	8162.4	8002.4	7832.4	7648.4	7461.4	7252.4		
<b>Reserve Margin % (4)</b>			24.0	23.9	23.7	22.2	24.5	23.8	23.2	22.6	22.0	21.3	20.6		
<b>Proposed Resource Changes (2)</b>			238.7	2377.4	3946.1	4247.1	4593.4	4593.4	4593.4	4593.4	4593.4	4593.4	4593.4		
<b>Adjusted Resource Capability</b>			41848.4	44048.1	45720.5	45664.5	47064.8	47064.8	47064.8	47064.8	47064.8	47064.8	47064.8		
<b>Adjusted Reserve</b>			8281.4	10412.1	11941.5	11782.5	12945.8	12755.8	12595.8	12425.8	12241.8	12054.8	11845.8		
<b>Adjusted Reserve Margin %</b>			24.7	31.0	35.4	34.8	37.9	37.2	36.5	35.9	35.2	34.4	33.6		

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

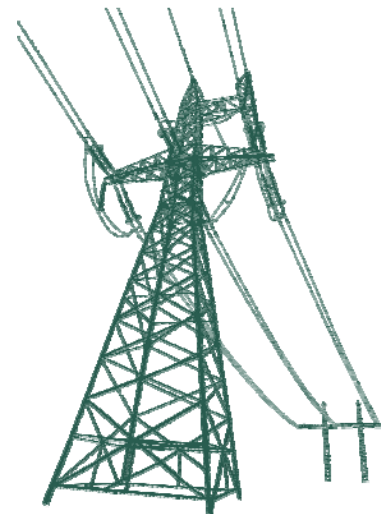
<u>WINTER CAPABILITY</u>		MW											Totals		
		2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25		2025/26	
<i>Fossil</i>	Steam Turbine (Oil)	836.0	835.3	835.3	835.3	835.3	835.3	835.3	835.3	835.3	835.3	835.3	835.3	835.3	
	Steam Turbine (Oil & Gas)	7975.3	8041.1	8415.5	8415.5	8415.5	8415.5	8415.5	8415.5	8415.5	8415.5	8415.5	8415.5	8415.5	
	Steam Turbine (Gas)	850.4	1350.8	1350.8	1710.8	1710.8	1710.8	1710.8	1710.8	1710.8	1710.8	1710.8	1710.8	1710.8	
	Steam Turbine (Coal)	1484.6	1469.0	1469.0	1469.0	1161.7	1161.7	1161.7	1161.7	1161.7	1161.7	1161.7	1161.7	1161.7	
	Combined Cycle (Oil & Gas)	8560.8	8765.2	8765.2	8765.2	8765.2	8765.2	8765.2	8765.2	8765.2	8765.2	8765.2	8765.2	8765.2	
	Combined Cycle (Gas)	1696.7	1704.2	1704.2	1704.2	1704.2	1704.2	1704.2	1704.2	1704.2	1704.2	1704.2	1704.2	1704.2	
	Jet Engine (Oil)	867.9	872.4	872.4	872.4	872.4	872.4	872.4	872.4	872.4	872.4	872.4	872.4	872.4	
	Jet Engine (Oil & Gas)	1263.8	1279.4	1279.4	1279.4	1279.4	1279.4	1279.4	1279.4	1279.4	1279.4	1279.4	1279.4	1279.4	
	Jet Engine (Gas)	326.2	290.3	290.3	290.3	290.3	290.3	290.3	290.3	290.3	290.3	290.3	290.3	290.3	
	Combustion Turbine (Oil)	1316.2	1357.3	1357.3	1357.3	1357.3	1357.3	1357.3	1357.3	1357.3	1357.3	1357.3	1357.3	1357.3	
	Combustion Turbine (Oil & Gas)	1197.7	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2	
	Combustion Turbine (Gas)	694.4	740.6	740.6	740.6	740.6	740.6	740.6	740.6	740.6	740.6	740.6	740.6	740.6	
	Internal Combustion (Oil/Gas)	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	
	<i>Pumped Storage</i>	Pumped Storage Hydro	1409.2	1409.2	1409.2	1409.2	1409.2	1409.2	1409.2	1409.2	1409.2	1409.2	1409.2	1409.2	1409.2
<i>Nuclear</i>	Steam (PWR Nuclear)	2659.6	2660.8	2660.8	2660.8	2660.8	2660.8	2660.8	2660.8	2660.8	2660.8	2660.8	2660.8	2660.8	
	Steam (BWR Nuclear)	2789.0	2779.1	2779.1	2779.1	2779.1	2779.1	2779.1	2779.1	2779.1	2779.1	2779.1	2779.1	2779.1	
<i>Renewable (5)</i>	Conventional Hydro	4263.5	4266.6	4266.6	4266.6	4266.6	4266.6	4266.6	4266.6	4266.6	4266.6	4266.6	4266.6	4266.6	
	Internal Combustion (Methane)	104.2	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3	
	Steam Turbine (Wood)	109.9	110.2	110.2	110.2	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	
	Steam Turbine (Refuse)	265.3	259.9	259.9	259.9	259.9	259.9	259.9	259.9	259.9	259.9	259.9	259.9	259.9	
	Wind	1462.6	1460.7	1460.7	1460.7	1460.7	1460.7	1460.7	1460.7	1460.7	1460.7	1460.7	1460.7	1460.7	
	Solar	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	
<b>EXISTING GENERATING FACILITIES</b>		40220.5	41012.8	41387.2	41747.2	41462.4	41462.4	41462.4	41462.4	41462.4	41462.4	41462.4	41462.4	41462.4	
	Special Case Resources - SCR (3)	843.0	884.8	884.8	884.8	884.8	884.8	884.8	884.8	884.8	884.8	884.8	884.8	884.8	
<i>Changes (10)</i>	Additions and Uprates	0.0	374.4	360.0	22.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	756.9
	Scheduled Retirements (9)	0.0	0.0	0.0	-307.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-307.3
<b>NYCA RESOURCE CAPABILITY</b>		41063.5	42272.0	42632.0	42347.2	42347.2	42347.2	42347.2	42347.2	42347.2	42347.2	42347.2	42347.2	42347.2	
<i>Contracts</i>	Net Purchases (1) (7)	1077.5	338.3	-4.5	403.5	327.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	
<b>TOTAL RESOURCE CAPABILITY</b>		42141.0	42610.3	42627.5	42750.7	42674.7	43428.7	43428.7	43428.7	43428.7	43428.7	43428.7	43428.7	43428.7	
<b><u>BASE FORECAST</u></b>															
<b>Peak Demand Forecast</b>			24515.0	24524.0	24488.0	24463.0	24603.0	24757.0	24796.0	24843.0	24895.0	24951.0	25020.0		
<b>Expected Reserve</b>			18095.3	18103.5	18262.7	18211.7	18825.7	18671.7	18632.7	18585.7	18533.7	18477.7	18408.7		
<b>Installed Capacity Reserve Margin % (4)</b>			73.8	73.8	74.6	74.4	76.5	75.4	75.1	74.8	74.4	74.1	73.6		

- (1) - Net Purchases - Positive values of net purchases represent capacity that is imported to NYCA, after subtracting sales that are exported to other areas.
- (2) - Proposed Resource Changes - Includes all proposed generator additions, reratings and retirements from Section IV, except those that have met Base Case inclusion rules as described in the Reliability Planning Process (RPP) manual. Total net capacity is shown.
- (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 current Installed Capacity Reserve Margin requirement for the 2015-2016 Capability Year is 17.0%.
- (5) - The Renewable Category does not necessarily match the New York State Renewable Portfolio Standard (RPS) Definition.
- (6) - Existing wind generators are listed at their full nameplate rating.
- (7) - Figures include the use of Unforced Capacity Deliverability Rights (UDRs) as currently known. For more information on the use of UDRs, please see Section 4.14 of the ICAP Manual.
- (8) - Existing solar generators are listed at their full nameplate rating.
- (9) - Scheduled Retirements as shown in Table IV-4B. Existing Retirements in Table IV-3A are accounted for in the list of 2015 Existing Generating Facilities.
- (10) - Values for the year 2015 reflect the changes since the 2014 Gold Book was published.

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**SECTION VI:**  
**EXISTING TRANSMISSION FACILITIES**  
**AS OF MARCH 15, 2015**



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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. The information in Table VI-1 is redacted as it may contain Critical Energy Infrastructure Information. A version of the 2015 *Gold Book* which includes this section is available to individuals with a myNYISO account. To request a myNYISO account, please visit:

[http://www.nyiso.com/public/webdocs/markets\\_operations/services/customer\\_relations/CEII\\_Request\\_Form/CEII\\_Request\\_Form\\_and\\_NDA\\_complete.pdf](http://www.nyiso.com/public/webdocs/markets_operations/services/customer_relations/CEII_Request_Form/CEII_Request_Form_and_NDA_complete.pdf)

**Table VI-2: Mileage of Existing Transmission Facilities**

Facilities by kV Class Overhead (OH) Underground (UG)	115 kV		138 kV		230 kV		345 kV		500 kV	765 kV	150 kV DC	500 kV DC
	OH	UG	OH	UG	OH	UG	OH	UG	OH	OH	UG	UG
CENTRAL HUDSON GAS & ELECTRIC CORPORATION	229.7	4.1	0.0	0.0	0.0	0.0	76.1	0.0	0.0	0.0		
CONSOLIDATED EDISON	0.0	0.0	21.7	208.9 (a)	0.5	0.0	406.5 (b) (i)	184.3 (h)	5.3	0.0		
LONG ISLAND POWER AUTHORITY	0.0	0.0	244.4	161.6 (e)	0.0	0.0	0.0	9.3 (g)	0.0	0.0	24.0	66.0 (g)
NEW YORK POWER AUTHORITY	52.7 (f)	1.6	0.0	0.0	338.1	0.0	884.9	43.2	0.0	154.9		
NEW YORK STATE ELECTRIC & GAS CORP.	1463.3	7.5	0.0	0.0	233.3	0.0	550.1	0.0	0.0	0.0		
NATIONAL GRID	4094.1	24.0	0.0	0.0	498.5	20.2	687.7	0.4	0.0	0.0		
ORANGE AND ROCKLAND UTILITIES INC.	0.0	0.0	107.3	2.3 (a)	0.0	0.0	47.2 (b)	3.4 (d)	0.0	0.0		
ROCHESTER GAS AND ELECTRIC CORPORATION	248.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
<b>TOTALS BY kV CLASS (c)</b>	<b>6087.8</b>	<b>65.3</b>	<b>373.4</b>	<b>372.8</b>	<b>1070.3</b>	<b>20.2</b>	<b>2605.3</b>	<b>240.6</b>	<b>5.3</b>	<b>154.9</b>	<b>24.0</b>	<b>66.0</b>

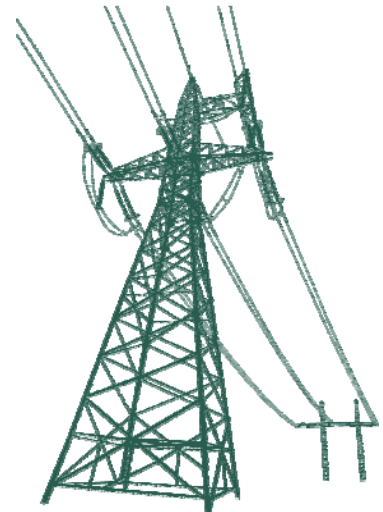
TOTAL OVERHEAD = 10,297.1 (c)  
 TOTAL UNDERGROUND = 788.8 (c)  
 TOTAL = 11,085.9 (c)

- 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) 21.3 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



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**SECTION VII:**  
PROPOSED TRANSMISSION FACILITIES  
AS OF MARCH 15, 2015



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## **Section VII**

This section contains the list of firm and non-firm proposed transmission projects and merchant transmission projects. Projects that were placed in-service since the publication of the 2014 *Gold Book* are maintained on the list of proposed transmission projects for one year.

## Table VII: Proposed Transmission Facilities

[Merchant Queue Position] / Project Notes	Transmission Owner	Terminals	Line Length in Miles (1)	Expected In-Service Date/Yr		Nominal Voltage in kV		# of ccts	Thermal Ratings (4)		Project Description / Conductor Size	Type of Construction	
				Prior to (2)	Year	Operating	Design		Summer	Winter			
<b>Merchant Transmission Projects</b>													
[305],15,19	Transmission Developers Inc.	Hertel 735kV (Quebec)	Astoria Annex 345kV	333	W	2018	320	320	1	1000 MW	1000 MW	-/+ 320kV Bipolar HVDC cable	-
[363],19	Poseidon Transmission I, LLC	Deans 500kV (PJM)	Ruland Road 138kV	82	S	2016	200	200	1	500 MW	500 MW	-/+ 200kV Monopole HVDC cable	-
[358],18	West Point Partners	Leeds 345kV	Buchanan North 345kV	72	W	2018	320	320	1	1000 MW	1000 MW	-/+ 320kV Bipolar HVDC cable	-
<b><u>Firm Plans(5) (included in FERC 715 Base Case)</u></b>													
3	CHGE	North Catskill	Feura Bush	Series Reactor	In-Service	2014	115	115	1	1280	1560	Reactor impedance increase from 12% to 16%	-
6	CHGE	Pleasant Valley	Todd Hill	5.53	S	2016	115	115	1	1280	1563	Rebuild line with 1033 ACSR	OH
6	CHGE	Todd Hill	Fishkill Plains	5.23	S	2016	115	115	1	1280	1563	Rebuild line with 1033 ACSR	OH
14	CHGE	Hurley Avenue	Leeds	Series Compensation	S	2018	345	345	1	1400	1700	21% Compensation	-
11	CHGE	St. Pool	High Falls	5.61	S	2020	115	115	1	1114	1359	1-795 ACSR	OH
11	CHGE	High Falls	Kerhonkson	10.03	S	2020	115	115	1	1114	1359	1-795 ACSR	OH
11	CHGE	Kerhonkson	Honk Falls	4.97	S	2020	115	115	2	1114	1359	1-795 ACSR	OH
11	CHGE	Modena	Galeville	4.62	S	2020	115	115	1	1114	1359	1-795 ACSR	OH
11	CHGE	Galeville	Kerhonkson	8.96	S	2020	115	115	1	1114	1359	1-795 ACSR	OH
3	ConEd	Dunwoodie South	Dunwoodie South	Phase shifter	In-Service	2014	138	138	2	Nominal 132 MVA		PAR Retirement	-
3	ConEd	Dunwoodie South	Dunwoodie South	Phase shifter	In-Service	2014	138	138	1	Nominal 300 MVA		PAR Replacement	-
3	ConEd	Goethals	Goethals	Reconfiguration	In-Service	2014	345	345	-	N/A	N/A	Reconfiguration	-
16	ConEd	Rock Tavern	Sugarloaf	13.70	S	2016	345	345	1	1811 MVA	1918 MVA	2-1590 ACSR	OH
16	ConEd	Goethals	Gowanus	12.95	S	2016	345	345	2	632 MVA	679 MVA	Additional Cooling	UG
16	ConEd	Gowanus	Farragut	4.05	S	2016	345	345	2	800 MVA	844 MVA	Additional Cooling	UG
16	ConEd	Goethals	Linden Co-Gen	-1.50	S	2016	345	345	1	2504	2504	Feeder Separation	UG
16	ConEd	Goethals	Linden Co-Gen	1.50	S	2016	345	345	1	1252	1252	Feeder Separation	UG
16	ConEd	Goethals	Linden Co-Gen	1.50	S	2016	345	345	1	1252	1252	Feeder Separation	UG
	ConEd	East 13th Street	East 13th Street	Reconfiguration	S	2016	345	345	-	N/A	N/A	Reconfiguration	-
	ConEd	East 13th Street	East 13th Street	Reconfiguration	S	2017	345	345	-	N/A	N/A	Reconfiguration	-
	ConEd	Greenwood	Greenwood	Reconfiguration	S	2018	138	138	-	N/A	N/A	Reconfiguration	-
	ConEd	Rainey	Corona	xfrm/Phase shifter	S	2019	345/138	345/138	1	263 MVA	320 MVA	xfrm/Phase shifter	UG
12, 3	LIPA	Holtsville DRSS	West Bus	N/A	In-Service	2014	138	138	-	150 MVAR	150 MVAR	Dynamic Reactive Support System (DRSS)	-
12	LIPA	Randall Ave	Wildwood	N/A	S	2016	138	138	-	150 MVAR	150 MVAR	Dynamic Reactive Support System (DRSS)	-
3	NGRID	Spier	Rotterdam	32.70	In-Service	2014	115	115	1	916	1070	New/Separate Circuit w/Twin-795 ACSR south end	OH
3	NGRID	Dunkirk	Dunkirk	Cap Bank	In-Service	2014	115	115	1	67 MVAR	67 MVAR	Capacitor Bank 2 - 33.3 MVAR	-
3	NGRID	Rome	Rome	-	In-Service	2014	115	115	-	N/A	N/A	Station Rebuild	-
3	NGRID	Porter	Porter	-	In-Service	2014	115	115	-	N/A	N/A	Rebuild 115kV Station	-
3	NGRID	Huntley	Huntley	Cap Bank	In-Service	2015	115	115	1	75 MVAR	75 MVAR	second Capacitor Bank	-
3	NGRID	Niagara	Packard	3.40	In-Service	2015	115	115	1	1727	1732	115kV line Replacement	-
7.3	NGRID	Rotterdam	Bear Swamp	-43.64	Retired	2015	230	230	1	1105	1284	795 ACSR	OH
7.3	NGRID	Rotterdam	Eastover Road (New Station)	22.60	In-Service	2015	230	230	1	1114	1284	Rotterdam-Bear Swamp #E205 Loop (0.2 miles new 1113 kcmil ACSR)	OH
7.3	NGRID	Eastover Road (New Station)	Bear Swamp	21.44	In-Service	2015	230	230	1	1105	1347	Rotterdam-Bear Swamp #E205 Loop (0.2 miles new 1113 kcmil ACSR)	OH
7.3	NGRID	Eastover Road (New Station)	Eastover Road (New Station)	xfrm	In-Service	2015	230/115	230/115	1	381MVA	466MVA	Transformer	-
7	NGRID	Luther Forest	North Troy	-18.30	S	2015	115	115	1	937	1141	605 ACSR	OH
7	NGRID	Luther Forest	Eastover Road (New Station)	17.50	S	2015	115	115	1	937	1141	Luther Forest-North Troy Loop (0.9 miles new 1113 kcmil ACSR)	OH
7	NGRID	Eastover Road (New Station)	North Troy	2.60	S	2015	115	115	1	937	1141	Luther Forest-North Troy Loop (0.9 miles new 1113 kcmil ACSR)	OH
7	NGRID	Battenkill	North Troy	-22.39	S	2015	115	115	1	916	1118	605 ACSR	OH
7	NGRID	Battenkill	Eastover Road (New Station)	21.59	S	2015	115	115	1	937	1141	Battenkill-North Troy Loop (0.9 miles new)	OH
7	NGRID	Eastover Road (New Station)	North Troy	2.60	S	2015	115	115	1	916	1118	Battenkill-North Troy Loop (0.9 miles new)	OH
	NGRID	Clay	Clay	xfrm	S	2015	345/115	345/115	1	478MVA	590MVA	Replace TB1 transformer & reconfigure Clay 345 kV for TB2 transformer	-
	NGRID	Gardenville	Erie	0.30	S	2015	115	115	1	648	846	Replace 400CU and 636AL with 795 ACSR	OH
	NGRID	New Scotland	Long Lane	4.22	S	2015	115	115	1	600	600	20.5% Series Reactor #7 Unionville	-
	NGRID	New Scotland	Feura Bush	4.08	S	2015	115	115	1	600	600	12.5% Series Reactor #9 Unionville	-
7	NGRID	Homer City	Stolle Road	-204.11	W	2015	345	345	1	1013	1200	New Five Mile substation	OH
7	NGRID	Homer City	Five Mile Rd (New Station)	151.11	W	2015	345	345	1	1013	1200	New Five Mile substation	OH
7	NGRID	Five Mile Rd (New Station)	Stolle Road	53.00	W	2015	345	345	1	1013	1200	New Five Mile substation	OH
7	NGRID	Gardenville	Homer Hill	-65.69	W	2015	115	115	2	584	708	New Five Mile substation	OH

**Table VII: Proposed Transmission Facilities (cont'd)**

[Merchant Queue Position] / Project Notes	Transmission Owner	Terminals	Line Length in Miles (1)	Expected In-Service Date/Yr		Nominal Voltage in kV		# of cks	Thermal Ratings (4)		Project Description / Conductor Size	Type of Construction	
				Prior to (2)	Year	Operating	Design		Summer	Winter			
7	NGRID	Gardenville	Five Mile Rd (New Station)	58.30	W	2015	115	115	2	129MVA	156MVA	New Five Mile substation	OH
7	NGRID	Five Mile Rd (New Station)	Homer Hill	8.00	W	2015	115	115	2	221MVA	270MVA	New Five Mile substation	OH
	NGRID	Five Mile Rd (New Station)	Five Mile Rd (New Station)	xfr	W	2015	345/115	345/115	-	478MVA	590MVA	New Five Mile substation	-
7	NGRID/NYSEG	Homer City	Five Mile Rd (New Station)	-151.11	S	2016	345	345	1	1013	1200	New Five Mile substation	OH
7	NGRID/NYSEG	Homer City	Farmers Valley	120.00	S	2016	345	345	1	1013	1200	New Farmer Valley substation	OH
7	NGRID/NYSEG	Farmers Valley	Five Mile Rd (New Station)	31.00	S	2016	345	345	1	1013	1200	New Farmer Valley substation	OH
	NGRID	Clay	GE	7.3	W	2016	115	115	1	1104	1345	reconductor 4/0 CU & 477 ACSR with 795ACSR (line# 14)	OH
	NGRID	Mohican	Battenkill	14.2	S	2017	115	115	1	933	1140	Replace 14.2 miles of conductor w/min 1033.5 ACSR	OH
	NGRID	Clay	Dewitt	10.24	W	2017	115	115	1	193MVA	245MVA	Reconductor 4/0 CU to 795ACSR	OH
	NGRID	Clay	Teall	12.75	W	2017	115	115	1	220 MVA	239MVA	Reconductor 4/0 CU to 795ACSR	OH
	NGRID	Elbridge	Woodard	Reactor	W	2017	115	115	1	-	-	Reactor 3%	-
7	NGRID	Greenbush	Hudson	-26.43	W	2017	115	115	1	648	800	605 ACSR, 350 CU	OH
7	NGRID	Greenbush	Klinekill Tap	20.30	W	2017	115	115	1	648	800	605 ACSR, 350 CU	OH
7	NGRID	Klinekill Tap	Hudson	6.13	W	2017	115	115	1	648	800	605 ACSR, 350 CU	OH
	NGRID	Oneida	Porter	Reactor	W	2017	115	115	1	-	-	install reactor on Line #7: 6%	-
	NGRID	Porter	Yahnundasis	Reactor	W	2017	115	115	1	-	-	install reactor on Ln#3:8%	-
10.3	NYPA	Moses	Willis	-37.11	Retired	2014	230	230	2	876	1121	795 ACSR	OH
10.3	NYPA	Moses	Willis	37.11	In-Service	2014	230	230	1	876	1121	795 ACSR	OH
10.3	NYPA	Moses	Willis	37.11	In-Service	2014	230	230	1	876	1121	795 ACSR	OH
	NYPA	Massena	Massena	Auto-Transformer	S	2015	765/230	765/230	1	936 MVA	1296 MVA	Replacement of Massena 765/230 kV Auto-Transformer Bank #2	-
	NYPA	Gilboa	Gilboa	GSU	W	2015	345/17	345/17	1	325 MVA	325 MVA	Replacement of Blenheim-Gilboa GSU #2	-
	NYPA	Moses	Moses	Cap Bank	W	2015	115	115	1	100 MVAR	100 MVAR	Cap Bank Installation to Replace Moses Synchronous Condensers	-
	NYPA	Moses	Moses	Cap Bank	S	2016	115	115	1	100 MVAR	100 MVAR	Cap Bank Installation to Replace Moses Synchronous Condensers	-
	NYPA	Massena	Massena	Auto-Transformer	S	2016	765/230	765/230	1	936 MVA	1296 MVA	Replacement of Massena 765/230 kV Auto-Transformer Bank #1	-
	NYPA	Niagara	Niagara	GSU	S	2016	115/13.8	115/13.8	1	250 MVA	250 MVA	Replacement of Niagara GSU #5	-
16	NYPA	Marcy	Coopers Corners	Series Comp	S	2016	345	345	1	1776 MVA	1793 MVA	Installation of Series Compensation on UCC2-41	-
16	NYPA	Edic	Fraser	Series Comp	S	2016	345	345	1	1793 MVA	1793 MVA	Installation of Series Compensation on EF24-40	-
16	NYPA	Fraser	Coopers Corners	Series Comp	S	2016	345	345	1	1494 MVA	1793 MVA	Installation of Series Compensation on FCC33	-
7	NYPA	Niagara	Rochester	-70.20	W	2019	345	345	1	2177	2662	2-795 ACSR	OH
7	NYPA	Niagara	Station 255 (New Station)	66.40	W	2019	345	345	1	2177	2662	2-795 ACSR	OH
7	NYPA	Station 255 (New Station)	Rochester	3.80	W	2019	345	345	1	2177	2662	2-795 ACSR	OH
7	NYPA	Dysinger Tap	Rochester	-44.00	W	2019	345	345	1	2177	2662	2-795 ACSR	OH
7	NYPA	Dysinger Tap	Station 255 (New Station)	40.20	W	2019	345	345	1	2177	2662	2-795 ACSR	OH
7	NYPA	Station 255 (New Station)	Rochester	3.80	W	2019	345	345	1	2177	2662	2-795 ACSR	OH
3	NYSEG	Meyer	Meyer	Cap Bank	In-Service	2014	115	115	1	18 MVAR	18 MVAR	Capacitor Bank Installation	-
3	NYSEG	Ashley Road	Ashley Road	Cap Bank	In-Service	2014	115	115	1	150 MVAR	150 MVAR	Capacitor Bank (DOE)	-
3	NYSEG	Big Tree	Big Tree	Cap Bank	In-Service	2014	115	115	1	50 MVAR	50 MVAR	Capacitor Bank (DOE)	-
	NYSEG	Coopers Corners	Coopers Corners	Shunt Reactor	S	2015	345	345	1	200 MVAR	200 MVAR	Shunt Reactor Installation	-
	NYSEG	Goudey	AES Westover	reconfig	S	2015	115	115	-	N/A	N/A	substation separation	-
	NYSEG	Jennison	AES Oneonta	reconfig	S	2015	115	115	-	N/A	N/A	substation separation	-
7	NYSEG	Homer City	Watercure Road	-177.00	S	2015	345	345	1	1549	1552	2156 ACR	OH
7	NYSEG	Watercure Road	Mainesburg	26.00	S	2015	345	345	1	1549	1552	2156 ACR	OH
7	NYSEG	Mainesburg	Homer City	151.00	S	2015	345	345	1	1549	1552	2156 ACR	OH
16	NYSEG	Fraser	Coopers Corners	21.80	S	2016	345	345	1	2500	3000	ACCR 1742-T9 Reconductor	OH
	NYSEG	Stephentown	Stephentown	xfr	S	2016	115/34.5	115/34.5	1	37 MVA	44MVA	Transformer	-
	NYSEG	Eelpot Road	Eelpot Road	Xfr	S	2016	115/34.5	115/34.5	2	59.2MVA	66.9MVA	Transformer	-
8	NYSEG	Wood Street	Carmel	1.34	S	2016	115	115	1	775	945	477 ACSR	OH
	NYSEG	Elbridge	State Street	14.50	W	2016	115	115	1	250 MVA	305 MVA	1033 ACSR	OH
8	NYSEG	Wood Street	Katonah	11.70	S	2017	115	115	1	1079	1079	convert 46kV to 115kV	OH
	NYSEG	Gardenville	Gardenville	xfr	S	2017	230/115	230/115	1	200 MVA	225 MVA	Transformer	-
	NYSEG	Flat Street	Flat Street	Xfr	S	2017	115/34.5	115/34.5	2	40MVA	45.2MVA	Transformer	-
	NYSEG	Klinekill Tap	Klinekill	<10	W	2017	115	115	1	>=124 MVA	>=150 MVA	477 ACSR	OH
	NYSEG	Willet	Willet	xfr	W	2017	115/34.5	115/34.5	1	39 MVA	44 MVA	Transformer	-
	NYSEG	Meyer	Meyer	Xfr	S	2018	115/34.5	115/34.5	2	59.2MVA	66.9MVA	Transformer	-
	NYSEG	Oakdale 345	Oakdale 345	reconfig	S	2018	345	345	6	N/A	N/A	bus reconfiguration	-
	NYSEG	Oakdale 345	Oakdale 345	xfr	S	2018	345	345	-	400 MVA	400 MVA	new 345/115/34.5kV LTC transformer	-

**Table VII: Proposed Transmission Facilities (cont'd)**

[Merchant Queue Position] / Project Notes	Transmission Owner	Terminals	Line Length in Miles (1)	Expected In-Service Date/Yr		Nominal Voltage in kV		# of cks	Thermal Ratings (4)		Project Description / Conductor Size	Type of Construction	
				Prior to (2)	Year	Operating	Design		Summer	Winter			
	NYSEG	Watercure Road	Watercure Road	xfnr	S	2018	345/230	345/230	1	426 MVA	494 MVA	Transformer	-
	NYSEG	Pawling	Pawling	Cap Bank	W	2018	230	230	1	95 MVAR	95 MVAR	Capacitor Bank	-
	NYSEG	Stoney Ridge	Stoney Ridge	Cap Bank	W	2018	230	230	1	70 MVAR	70 MVAR	Capacitor Bank	-
	NYSEG	Coopers Corners	Coopers Corners	xfnr	W	2018	115/34.5	115/34.5	1	66 MVA	75 MVA	Transformer	-
	NYSEG	Katonah	Katonah	xfnr	W	2018	115/46	115/46	1	66 MVA	75 MVA	Transformer	-
	NYSEG	Montour Falls	Montour Falls	xfnr	W	2018	115/34.5	115/34.5	1	66 MVA	75 MVA	Transformer	-
	NYSEG	Montour Falls	Montour Falls	xfnr	W	2018	115/34.5	115/34.5	1	66 MVA	75 MVA	Transformer	-
	NYSEG	Willet	Willet	Cap Bank	W	2018	115	115	1	35 MVAR	35 MVAR	Capacitor Bank	-
	NYSEG	Windham	Windham	Cap Bank	W	2018	115	115	1	5.4 MVAR	5.4 MVAR	Capacitor Bank	-
	NYSEG	Coopers Corners	Coopers Corners	xfnr	S	2019	345/115	345/115	1	200 MVA	220 MVA	Transformer	-
	NYSEG	Fraser	Fraser	xfnr	S	2019	345/115	345/115	1	280 MVA	300 MVA	Transformer	-
	NYSEG	Afton	Afton	xfnr	W	2019	115/34.5	115/34.5	1	39 MVA	44 MVA	Transformer	-
	NYSEG	Afton	Afton	Cap Bank	W	2019	115	115	1	10 MVAR	10 MVAR	Capacitor Bank	-
	NYSEG	Colliers	Colliers	xfnr	W	2019	115/46	115/46	1	42 MVA	55 MVA	Transformer	-
	NYSEG	Colliers	Colliers	xfnr	W	2019	115/46	115/46	1	63 MVA	75 MVA	Transformer	-
	NYSEG	Carmel	Carmel	xfnr	W	2019	115/46	115/46	1	80 MVA	96 MVA	Transformer	-
	NYSEG	North Endicott	North Endicott	xfnr	W	2019	115/34.5	115/34.5	1	66 MVA	75 MVA	Transformer	-
	NYSEG	North Endicott	North Endicott	xfnr	W	2019	115/34.5	115/34.5	1	66 MVA	75 MVA	Transformer	-
	NYSEG	Northside	Northside	xfnr	W	2019	115/34.5	115/34.5	1	56 MVA	64 MVA	Transformer	-
	NYSEG	Ridge Road	Ridge Road	xfnr	W	2019	115/34.5	115/34.5	1	66 MVA	75 MVA	Transformer	-
	NYSEG	South Owego	South Owego	xfnr	W	2019	115/34.5	115/34.5	1	63 MVA	75 MVA	Transformer	-
	NYSEG	Wood Street	Wood Street	xfnr	S	2020	345/115	345/115	1	280 MVA	300 MVA	Transformer	-
16, 17, 3	O & R	Ramapo	Sugarloaf	16.00	In-Service	2014	138	345	1	1089	1298	2-1500 ACSR	OH
3	O & R	New Hempstead	-	Cap Bank	In-Service	2014	138	138	1	32 MVAR	32 MVAR	Capacitor bank	-
3	O & R	Hartley	-	Cap Bank	In-Service	2014	69	69	1	32 MVAR	32 MVAR	Capacitor bank	-
	O & R	Summit (RECO)	-	Cap Bank	S	2016	69	69	1	32 MVAR	32 MVAR	Capacitor bank	-
16	O & R	Ramapo	Sugarloaf	16.00	S	2016	345	345	1	3030	3210	2-1500 ACSR	OH
16	O & R	Sugarloaf	Sugarloaf	xfnr	S	2016	345/138	345/138	1	400 MVA	400 MVA	Transformer	OH
	O & R	O&R's Line 26	Sterling Forest	xfnr	S	2016	138/69	138/69	1	175 MVA	175 MVA	Transformer	-
	O & R	Harings Comer (RECO)	Tappan (NY)	-	W	2016	69	69	1	1096	1314	Three-way switch station	OH
	O & R	Little Tor	-	Cap Bank	S	2017	138	138	1	32 MVAR	32 MVAR	Capacitor bank	-
	O & R	Burns	Corporate Drive	5.00	S	2017	138	138	1	1980	2120	1272 ACSS	OH
	O & R	West Nyack (NY)	Harings Corner (RECO)	7.00	W	2020	69	138	1	1604	1723	795 ACSS	OH
	O & R	Ramapo	Sugarloaf	17.00	W	2022	138	138	1	1980	2120	1272 ACSS	OH
	O & R	Montvale (RECO)	-	Cap Bank	S	2022	69	69	1	32 MVAR	32 MVAR	Capacitor bank	-
	RGE	Station 69	Station 69	Cap Bank	S	2015	115	115	1	20 MVAR	20 MVAR	Capacitor Bank (DOE)	-
	RGE	Station 251 (New Station)	Station 251 (New Station)	xfnr	S	2015	115/34.5	115/34.5	2	30 MVA	33.8 MVA	Transformer	-
	RGE	Mortimer	Station 251	1	S	2015	115	115	2	1396	1707	New 115kV Line	OH
	RGE	Station 251	Station 33	0.98	S	2015	115	115	2	1396	1707	New 115kV Line	OH
	RGE	Station 23	Station 23	xfnr	S	2015	115/34.5	115/34.5	2	75 MVA	84 MVA	Transformer	-
	RGE	Station 23	Station 23	xfnr	S	2015	115/11.5/11.5	115/11.5/11.5	2	75 MVA	84 MVA	Transformer	-
	RGE	Station 42	Station 23	Phase Shifter	S	2015	115	115	1	253 MVA	285 MVA	Phase Shifter	-
	RGE	Station 168	Station 168	xfnr	S	2015	115/34.5	115/34.5	1	100 MVA	112 MVA	Transformer	-
	RGE	Station 262	Station 262	xfnr	S	2015	115/34.5	115/34.5	1	56 MVA	63 MVA	Transformer	-
	RGE	Station 33	Station 262	2.97	W	2015	115	115	1	2008	2409	Underground Cable	UG
	RGE	Station 262	Station 23	1.46	W	2015	115	115	1	2008	2409	Underground Cable	UG
	RGE	Station 67	Station 418	3.5	S	2016	115	115	1	1255	1255	New 115kV Line	OH
	RGE	Station 122 (Station upgrade)	Station 122 (Station upgrade)	xfnr	W	2016	345/115	345/115	3	480 MVA	520 MVA	Transformers	-
	RGE	Station 255 (New Station)	Station 23	11.10	W	2016	115	115	1	1506	1807	New 115kV Line	OH+UG
	RGE	Station 255 (New Station)	Rochester	3.80	W	2019	345	345	1	2177	2662	2-795 ACSR	OH
	RGE	Station 255 (New Station)	Station 255 (New Station)	xfnr	W	2019	345/115	345/115	1	400 MVA	450 MVA	Transformer	-
	RGE	Station 255 (New Station)	Station 255 (New Station)	xfnr	W	2020	345/115	345/115	2	400 MVA	450 MVA	Transformer	-
	RGE	Station 255 (New Station)	Station 418	9.60	W	2020	115	115	1	1506	1807	New 115kV Line	OH

**Table VII: Proposed Transmission Facilities (cont'd)**

[Merchant Queue Position] / Project Notes	Transmission Owner	Terminals	Line Length in Miles (1)	Expected In-Service Date/Yr		Nominal Voltage in kV		# of cks	Thermal Ratings (4)		Project Description / Conductor Size	Type of Construction	
				Prior to (2)	Year	Operating	Design		Summer	Winter			
				<b>Non-Firm Plans (not included in 2015 Base Cases)</b>									
	CHGE	E. Fishkill	Merit Park	3.32	S	2019	115	115	1	1280	1563	1-1033 ACSR	OH
	CHGE	Hurley Ave	Saugerties	11.40	S	2020	115	115	1	1114	1359	1-795 ACSR	OH
	CHGE	Saugerties	North Catskill	12.46	S	2020	115	115	1	1114	1359	1-795 ACSR	OH
	CHGE	Fishkill Plains	East Fishkill	2.05	W	2020	115	115	1	1454	1777	1-1272 ACSR	OH
	CHGE	Knapps Corners	Myers Corners	2.88	W	2020	115	115	1	1114	1359	1-795 ACSR	OH
	CHGE	Myers Corners	Fishkill Plains	7.77	W	2020	115	115	1	1114	1359	1-795 ACSR	OH
7	LIPA	Pilgrim	West Bus	-11.74	S	2017	138	138	1	2087	2565	2493 ACAR	OH
7	LIPA	West Bus	Kings Hwy	5.74	S	2017	138	138	1	2087	2565	2493 ACAR	OH
7	LIPA	Pilgrim	Kings Hwy	6.00	S	2017	138	138	1	2087	2565	2493 ACAR	OH
13	LIPA	Valley Stream	East Garden City	7.00	S	2020	138	138	1	TBD	TBD	TBD	TBD
13	LIPA	Shore Rd	Syosset	10.00	S	2020	138	138	1	TBD	TBD	TBD	UG
13	LIPA	Shore Rd	Syosset	Phase Shifter	S	2020	138	138	1	TBD	TBD	Phase Shifter	UG
9	LIPA	Riverhead	Wildwood	10.63	S	2023	138	138	1	1399	1709	1192ACSR	OH
13	LIPA	Riverhead	Canal	16.40	S	2023	138	138	1	846	973	2368 KCMIL (1200 mm <sup>2</sup> ) Copper XLPE	UG
13	LIPA	Bellmore	Bellmore	Phase Shifter	S	2025	138	138	1	450 MVA	450 MVA	Phase Shifter	-
13	LIPA	Bellmore	Bellmore	Substation	S	2025	138	138	-	-	-	Substation	-
13	LIPA	Newbridge	Bellmore	5.00	S	2025	138	138	1	TBD	TBD	TBD	UG
[337],13	LIPA	Northport	Pilgrim	8.45	S	2025	138	138	1	825	1010	2000 mm <sup>2</sup> CU	UG
	NGRID	Edic 345 kV	Edic 345 kV	Reconfiguration	S	2016	345	345	1	-	-	Create new bay by adding 2 new 345kV breakers, reconnect transformer	-
	NGRID	GE	Geres Lock	7.14	S	2017	115	115	1	-	-	Reconductoring 4/0CU & 336 ACSR to 795ACSR (line 8)	OH
6	NGRID	Luther Forest	Rotterdam	5.10	S	2017	115	115	1	TBD	TBD	Replace 5.1 miles of conductor w/min 1033.5 ACSR (Blstn T/P)	OH
6	NGRID	Luther Forest	Eastover Road (New Station)	6.20	S	2017	115	115	1	TBD	TBD	Replace 6.2 miles of conductor w/min 1033.5 ACSR (#3)	OH
	NGRID	Gardenville 230 kV	Gardenville 115 kV	xfmr	S	2017	230/115	230/115	-	-	-	Replacement of two 230/115 kV stepdown with larger units	-
	NGRID	Gardenville 115 kV	Gardenville 115 kV	-	S	2017	-	-	-	-	-	Rebuild of Gardenville 115 kV station to full breaker and a half	-
	NGRID	Elm St	Elm St	xfmr	S	2018	230/23	230/23	1	118MVA	133MVA	Add a fourth 230/23kV transformer	-
	NGRID	West Golah (new station)	West Golah (new station)	New Station	W	2018	115	115	-	-	-	New 115 kV Ring Bus connecting lines 3119 and 906	-
6	NGRID	Mohican	Butler	3.50	S	2019	115	115	1	TBD	TBD	Replace 3.5 miles of conductor w/min 336.4 ACSR	OH
	NYPA	Niagara	Niagara	Auto Transformer	W	2015	345/230	345/230	1	TBD	TBD	Replacement of Niagara AT# 4	-
	NYPA	Moses	Moses	GSU	W	2015	115/13.8/13.8	115/13.8/13.8	1	TBD	TBD	Replacement of St. Lawrence Hydro Unit GSU #8	-
	NYPA	Moses	Moses	GSU	W	2016	230/13.8/13.8	230/13.8/13.8	1	TBD	TBD	Replacement of St. Lawrence Hydro Unit GSU #6	-
	NYPA	Cumberland Head	Gordon Landing	1.63	W	2017	115	230	1	TBD	TBD	Replacement of PV-20 Submarine Cable	Under Water
	NYPA	Astoria Annex	Astoria Annex	Shunt Reactor	W	2017	345	345	1	TBD	TBD	Replacement of Two Shunt Reactors at Astoria Annex 345kV Substation	-
	NYPA	Moses	Moses	GSU	W	2017	115/13.8/13.8	115/13.8/13.8	1	TBD	TBD	Replacement of St. Lawrence Hydro Unit GSU#7	-
	NYPA	Alcoa	Alcoa	6 Ring-Bus Substation	TBD	TBD	115	115	1	TBD	TBD	Construction of a New Alcoa East Six Ring-Bus Substation	OH
6	NYSEG	Elbridge	State Street	14.50	W	2017	115	115	1	1255	1531	Reconductor 336.4 ACSR to 1194 KCM	OH
7	NYSEG	Wethersfield	Meyer	-31.50	W	2017	230	230	1	1080	1310	795 ACSR	OH
7	NYSEG	Wethersfield	South Perry	11.50	W	2017	230	230	1	1080	1310	795 ACSR	OH
7	NYSEG	South Perry	Meyer	20.00	W	2017	230	230	1	1080	1310	795 ACSR	OH
	NYSEG	South Perry	South Perry	xfmr	W	2017	230/115	230/115	1	225 MVA	240 MVA	Transformer	-
	NYSEG	South Perry	South Perry	Xfmr	W	2017	115/34.5	115/34.5	2	59.2MVA	66.9MVA	Transformer	-
	O & R	North Rockland (New Station)	Lovett	xfmr	S	2018	345/138	345/138	1	400 MVA	400 MVA	Transformer	-
7	O & R/ConEd	Ladentown	Buchanan	-9.5	S	2018	345	345	1	3000	3211	2-2493 ACAR	OH
7	O & R/ConEd	Ladentown	North Rockland (New Station)	5.5	S	2018	345	345	1	3000	3211	2-2493 ACAR	OH
7	O & R/ConEd	North Rockland (New Station)	Buchanan	4	S	2018	345	345	1	3000	3211	2-2493 ACAR	OH
6	O & R	Shoemaker	Pocatello	2.00	W	2019	69	69	1	1604	1723	795 ACSS	OH
6	O & R	Sugarloaf	Shoemaker	12.00	W	2022	69	138	2	1062	1141	397 ACSS	OH



**Table VII: Proposed Transmission Facilities (cont'd)**

	<b>Note</b>
1	Line Length Miles: Negative values indicate removal of Existing Circuit being tapped
2	S = Summer Peak Period W = Winter Peak Period
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, 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
6	Reconductoring of Existing Line
7	Segmentation of Existing Circuit
8	115 kV operation as opposed to previous 46 kV operation
9	Upgrade of existing 69 kV to 138 kV operation
10	Project involves tower separation which results in the elimination of the double circuit tower contingency
11	Upgrade of existing 69 kV to 115 kV operation
12	MVAR rating +150 Capacitive to -50 Inductive
13	Contingent on future generation resources
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. Projects whose security postings triggered this SDU for construction requested to enter Class Year 2015 for purposes of a deliverability “retest” provided for under Attachment S of the OATT. To the extent the Class Year 2015 Deliverability Study finds such projects deliverable without the SDU, there is a possibility the SDU could be “untriggered” for construction and would thereafter no longer be considered a “firm” transmission upgrade
15	An Astoria - Rainey 345kV connection is being considered in association with Merchant Project Queue #305
16	This project is part of the Transmission Owner Transmission Solutions (TOTS) approved by the NYSPSC as part of the Indian Point Energy Center Reliability Contingency Plans (Case 12-E-0503)
17	Will operate at 138kV until summer of 2016
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	Class Year 2015 candidate

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