

June 1, 2010

Kimberly D. Bose, Secretary Federal Energy Regulatory Commission 888 First Street, N.E. Washington, D.C. 20426

Re: Semi-Annual Report in Docket No. ER01-3001-\_\_\_\_\_,

Dear Ms. Bose:

Enclosed for filing in the above-referenced docket are the New York Independent System Operator's ("NYISO's") Semi-Annual Reports to the Federal Energy Regulatory Commission ("Commission") on the NYISO's Demand Side Management programs and new generation projects in the New York Control Area. In accordance with the Commission's delegated order issued February 19, 2010 in this docket, this filing is made for informational purposes only.

#### I. List of Documents Submitted

The NYISO submits a report comprised of the following two reports:

- I. NYISO Report on Demand Response Programs
- II. NYISO Report on New Generation Projects

#### II. Correspondence

Copies of correspondence concerning this filing should be addressed to:

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<sup>\*</sup> persons designated to receive service.

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Respectfully submitted,

/s/ Gloria Kavanah

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#### **CERTIFICATE OF SERVICE**

I hereby certify that I have on this day served the foregoing document on the official service lists compiled by the Secretary in these proceedings. I have also electronically served the foregoing on all market participants, on each participant in its stakeholder committees, on the New York State Public Service Commission, and on the electric utility regulatory agency of New Jersey.

Dated at Albany, NY, this 1<sup>st</sup> day of June 2010.

/s/ Joy Zimberlin

Joy Zimberlin

# New York Independent System Operator, Inc. Docket No. ER01-3001-\_\_\_\_

# Semi-Annual Compliance Report on Demand Response Programs June 1, 2010

This report summarizes the current status of demand response participation in the New York Independent System Operator's (NYISO's) markets as of June 1, 2010, along with market revisions and initiatives underway that affect demand response resources. As in previous years, this report focuses on registered demand response participation in preparation for the Summer Capability Period. For the NYISO's reliability-based programs (the Emergency Demand Response Program (EDRP) and the Installed Capacity Special Case Resources (ICAP/SCR)), no activations, other than tests, have occurred since August 3, 2006.

Effective July 1, 2007, the NYISO implemented the Targeted Demand Response Program (TDRP) to respond to requests for assistance from a Transmission Owner (TO) by activating EDRP and ICAP/SCR resources on a voluntary basis in one or more subzones. TDRP currently applies to Zone J, New York City, where nine subzones have been defined by the TO. No TDRP activations have occurred since August 3, 2007.

The NYISO has two economic programs, the Day-Ahead Demand Response Program (DADRP) and the Demand-Side Ancillary Services Program (DSASP). DADRP offer activity remains frequent, but only a limited number of resources participate. A few demand resources have begun the process of enrolling in DSASP, however no resources have completed the prequalification process.

### **Demand Response Enrollment**

The report presents data on demand response participation as statistics on demand response resources; retail entities that register to perform load reductions; and curtailment service providers, which is a general term used to identify the NYISO Customers that represent end-use customers in the NYISO's demand response programs. The term "curtailment service providers" as used in this report refers to Responsible Interface Parties (RIPs) as that term is used in the Installed Capacity Manual, Demand Response Providers (DRPs) as defined in the DADRP Manual, and the four classes of market participants identified in the EDRP Manual.

Table 1 identifies the number of curtailment service providers by the following organizational categories:

- <u>Aggregators</u>, entities which register customers to participate as part of an aggregation of several customers;
- <u>Direct Customers</u>, which register with the NYISO to participate on their own behalf in any of the NYISO's markets, including the NYISO's demand response programs;

<sup>1</sup> Capitalized terms not defined herein shall bear the meanings assigned by the NYISO's Market Administration and Control Area Service Tariff.

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- LSEs, entities which provide commodity service to retail customers; and
- <u>TOs</u>, the investor-owned transmission and distribution companies and public authorities that are NYISO Customers located in New York State.

**Table 1. Demand Response Service Providers by Provider Type** 

Provider Type	Count (as of May 2010)	Change from January 2010 Report
Aggregators	21	- 1
Direct Customers	7	+ 1
LSEs	6	+ 2
Transmission Owners	7	0
Total	41	+ 2

<sup>\*</sup> As reported by the NYISO to the Federal Energy Regulatory Commission ("Commission") in its January 15, 2010 semi-annual report on the NYISO's Demand Side Management programs, filed with its annual report on new generation projects in the New York Control Area and Installed Capacity Demand Curves (January 2010 Report).

Since the January 2010 Report, the NYISO's demand response programs have experienced a net increase of two curtailment service providers, which includes an increase of one Direct Customer and two Load-Serving Entities.

Tables 2 through 4 present zonal enrollment statistics for EDRP, SCR, and DADRP, respectively, as of mid-May 2010. For each Load Zone (Zone), information on the total number of resources, total MW registered, and the amount supplied through local generation is provided. In addition, changes in number of resources and registered MW since the January 2010 Report are shown by Zone.

Table 2. EDRP Enrollment: May 2010

Zone	Count	Load (MWs)	Gen (MWs)	Total MWs	Change in Count from January 2010 Report	Change in MW from January 2010 Report
Α	18	9.1	12.5	21.6	-3	-0.4
В	2	0	1.3	1.3	-9	-4.6
С	34	4.8	12.6	17.4	-8	-0.9
D	9	0.6	3.4	4.0	-1	-0.1
Е	33	9.6	24.6	34.2	-1	0.0
F	29	21.6	9.3	30.9	-6	-3.9
G	12	0	15.5	15.5	-9	-4.4
Н	5	0.8	2.5	3.3	-3	0.0
	17	2.5	2.7	5.2	-4	-0.5
J	24	4.2	2.6	6.8	-133	-88.2
K	1	50.7	0	50.7	-31	-2.9
Total	184	103.9	87.0	190.9	-208	-105.9

Enrollment in EDRP shows a reduction of 41% in registered MW since August 2009. The largest change occurred in Zone J, New York City, with a 94% reduction in registered MW, which equates to an 85% reduction of the EDRP resources in that Zone since August 2009. Nominal changes occurred in all other Zones. The change in Zone J enrollment is due to curtailment service providers that have not yet submitted their re-enrollment of EDRP resources for the Summer 2010 Capability Period as of the date that the data was gathered to prepare this report. Unlike the ICAP/SCR program, where the resources are enrolled during specific periods each month, EDRP resources may be enrolled at any time during the Capability Period.

Table 3. SCR Enrollment: May 2010

Zone	Count	Load (MWs	Gen (MWs)	Total (MWs)	Change in Count from January 2010 Report	Change in MW from January 2010 Report
Α	430	431.4	9.2	440.6	68	-14.6
В	203	141.2	13.7	154.9	23	15.9
С	248	197.2	4.3	201.5	31	22.0
D	20	228.2	1.0	229.2	1	-12.5
Е	131	56.6	5.6	62.2	5	-1.0
F	162	142.3	12.3	154.6	20	12.5
G	140	67.8	23.5	91.3	23	6.0
Н	8	2.9	0.3	3.3	-1	0.7
	102	33.7	3.6	37.3	6	-3.7
J	1709	389.6	113.6	503.3	-82	-28.1
K	615	136.7	30.7	167.4	-1	-12.2
Total	3768	1827.7	217.8	2045.5	93	-15.1

The ICAP/SCR data in Table 3 is based on the enrollments prior to the May ICAP Spot Market Auction. It indicates a decrease of 1% over the period reported in the January 2010 Report. Enrollments change monthly and are expected to grow slightly throughout the summer 2010 months.

Enrollments for the 2010 Summer Capability Period include additional data about the amount of reduction supplied by emergency/behind-the-meter generation. In the fall of 2009, with the initial deployment of the Demand Response Information System, the NYISO modified the enrollment procedure for Special Case Resources to separate the reporting of load curtailments from local generation. Prior to the fall of 2009, the NYISO collected details on enrolled local generation following enrollment of a resource. When compared with the June 1, 2009 semi-annual report to the Commission regarding the NYISO's demand side management programs and new generation projects in the New York Control Area (June 2009 Report), the amount of local generation has increased by 30 MW. Approximately 10.6% of enrolled MW in ICAP/SCR are identified as local generation sources.

Figure 1 below provides a geographic distribution of resources currently enrolled in the NYISO's EDRP and ICAP/SCR programs.

Figure 1. Zonal distribution of demand response resources in reliability programs as of mid-May 2010

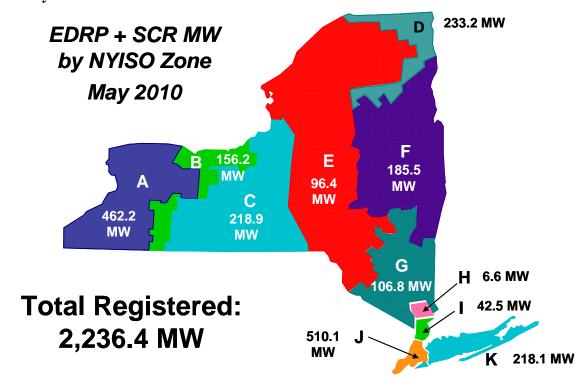


Table 4. DADRP Enrollment: May 2010

Zone	Count	Load (MWs)	Gen (MWs)	Total MWs	Change in Count from January 2010 Report	_
Α	4	58.0	0.0	58.0	0	0.0
В	1	2.8	0.0	2.8	0	0.0
С	2	38.0	0.0	38.0	0	0.0
D	1	100.0	0.0	100.0	0	0.0
Е	1	10.0	0.0	10.0	0	0.0
F	8	92.0	0.0	92.0	0	0.0
G	1	9.0	0.0	9.0	0	0.0
Н	0	0.0	0.0	0.0	0	0.0
	0	0.0	0.0	0.0	0	0.0
J	2	6.6	0.0	6.6	0	0.0
K	30	15.0	0.0	15.0	0	0.0
Total	50	331.4	0.0	331.4	0	0.0

DADRP enrollments remain constant when compared with statistics reported in the January 2010 Report. A comprehensive analysis of DADRP participation and performance for 2010 will be included in the January 2011 report.

#### Demand Side Ancillary Services Program

While Customers have shown an interest in having resources participate in DSASP, and there are a number of demand resources at various stages of meeting program participation requirements, no resources are registered and qualified to provide Ancillary Services through DSASP at this time. Additional information on DSASP enrollment was provided in the NYISO's response to Commission Order 719<sup>2</sup> (May 2009, October 2009, and February 2010 compliance filings). Additional information regarding current activities associated with DSASP is discussed below.

#### **Demand Response Initiatives in 2010**

Over the past several months, the NYISO has been working with its stakeholders on a number of initiatives intended to improve the administration of its demand response programs and to address regulatory directives to facilitate market participation. This section provides a brief synopsis of the efforts to date on these initiatives:

- Deployment of the Demand Response Information System
- Stakeholder Workshop/Technical Conference on Telemetry Requirements for DSASP
- Market Rules for Aggregations of Small Demand Resources in the Ancillary Services Markets
- Plan of Action for Accommodating Demand Response Resource Participation in the Real-Time Energy Market

#### Deployment of the Demand Response Information System

The Demand Response Information System (DRIS) has been and continues to be developed by NYISO to automate much of the demand response program administration that it has been performing manually through spreadsheets. The Demand Response Information System will consist of the current core functionality of registration processing, event notification, and reporting. It also will automate ICAP/SCR processing and event performance, management, and settlement preparation calculations. Additionally, it will provide new functionality for managing event and meter data as well as a web interface to provide authorized market participants direct access to data on their enrolled demand response resources.

In November 2009, the NYISO deployed the initial release of DRIS. This deployment was an internal release that provided the foundation for DRIS, imported demand response program enrollment information for EDRP and the ICAP/SCR program, and automated some monthly processing activities for the ICAP/SCR program. In March 2010, there was a second internal deployment of DRIS, which included the screens to manage enrollments, resources, and contact information. The June 2010 deployment will be the first of the market-facing deployments of DRIS. NYISO Customers will interact with the DRIS to import their resource enrollments and manage their monthly SCR activities, including aggregation management. They also will have the capability to view and export resource information. The June 2010 deployment of DRIS will include a "dashboard" that will provide an overview of the current status of the

<sup>&</sup>lt;sup>2</sup> Docket No. ER-09-1142-000, New York Independent System Operator, Inc., Compliance Filings May 15, 2009, October 28, 2009, February 25, 2010 (February 2010 Compliance Filing).

Customer's enrollment requests and a calendar to identify the periods when specific enrollment activities are permitted.

In anticipation of the June 2010 deployment, the NYISO provided its stakeholders with regular updates on project status and detailed deployment-related activities at meetings of the Price-Responsive Load and the Installed Capacity Working Groups. At the April 14, 2010 Price-Responsive Load Working Group meeting, the NYISO gave a presentation<sup>3</sup> detailing the June 2010 deployment functions and the communication plan for deployment, which includes:

- E-mail Notices: Regular e-mail updates, typically on a weekly basis, to provide reminders or updates on training, market trials, and deployment activities.
- DRIS Training: <sup>4</sup> The NYISO held two training sessions in early/mid-May prior to market trials. One additional session will be conducted during the week prior to deployment.
- DRIS Market Trials: Market Participants were given the opportunity to interact
  with DRIS through market trials during the last week of May. Market trials were
  conducted on three consecutive days between 9 a.m. and 3 p.m. A Market Trial
  Guide was provided to assist Market Participants as they navigated through the
  DRIS functions that will be available in the June deployment.
- Preparation for the June Deployment: To provide a smooth transition for Market Participants, the NYISO adjusted some of the SCR activity dates for the June 2010 markets to ensure that all SCR processing for the month is completed prior to deployment. This calendar adjustment will provide Market Participants a period of time after deployment to familiarize themselves with the DRIS before they are required to directly interact with the system for monthly market-related activities.
- June Deployment: The June deployment is scheduled for June 15, 2010. Provided no unforeseen issues arise during integration with NYISO's production systems, Market Participants will be able to access DRIS on June 16, 2010.

## Stakeholder Workshop/Technical Conference on Telemetry Requirements for DSASP

In its February 2010 Compliance Filing,<sup>5</sup> the NYISO described its plans for a workshop or technical conference to improve communications between Transmission Owners and demand

<sup>&</sup>lt;sup>3</sup> Presentation by NYISO available at <a href="http://www.nyiso.com/public/webdocs/committees/bic\_prlwg/meeting\_materials/2010-04-14/DRIS\_Phase\_2\_rollout.pdf">http://www.nyiso.com/public/webdocs/committees/bic\_prlwg/meeting\_materials/2010-04-14/DRIS\_Phase\_2\_rollout.pdf</a>

<sup>&</sup>lt;sup>4</sup> Training materials and additional information regarding the June deployment of DRIS available at: <a href="http://www.nyiso.com/public/webdocs/committees/bic\_prlwg/meeting\_materials/2010-05-17/Part">http://www.nyiso.com/public/webdocs/committees/bic\_prlwg/meeting\_materials/2010-05-17/Part</a> 7 Training Mkt Trials Deployment.pdf

<sup>&</sup>lt;sup>5</sup> February 2010 Compliance Filing at p. 9

response resources and to explore the development of standardized processes that could help to facilitate participation by demand response resources in the NYISO's Ancillary Services markets.

As a result of subsequent discussions at the NYISO's annual sector meetings in March, where the topic of telemetry requirements for DSASP was discussed by various sectors, the NYISO decided to focus the technical workshop on discussions of the necessary requirements for direct communications between the NYISO and DSASP resources. In addition, the NYISO invited a representative from ISO New England Inc. (ISO-NE) to speak at the workshop about lessons learned during ISO-NE's recent implementation of telemetry with Aggregators of Retail Customers (ARCs) for its demand response programs, specifically its Forward Capacity Market.

The NYISO sent a notice of the DSASP Workshop to the Price-Responsive Load Working Group, Market Issues Working Group, Computer Data Advisory Subcommittee, and System Operations Advisory Subcommittees. This broad notification was designed so that stakeholders interested in DSASP were aware of the workshop. More than 60 stakeholders attended the DSASP Workshop in person, and approximately 30 others participated via Webex and conference call.

The DSASP Workshop<sup>6</sup> included a NYISO presentation of an overview of DSASP market rules, current communications/telemetry requirements for DSASP, the Direct Communications concept for DSASP, a proposed timeline for addressing Direct Communications for DSASP and its relationship to other demand response initiatives, and a request for market participant feedback. The topic of how Direct Communications for DSASP might affect aggregations providing ancillary services was intertwined throughout the presentation. The ISO-NE representative presented an overview of current and new systems it used for direct communications with its resources. The afternoon was dedicated to open discussion on focused topics including a request for suggestions on how the NYISO can facilitate the connection of resources through the Transmission Owner, whether there were additional requirements for aggregations of resources interested in DSASP, and operational matters regarding the levels of demand response providing ancillary services.

Feedback about the DSASP Workshop was favorable. Stakeholders expressed that they had a better understanding of the next steps to for the NYISO to advance the Direct Communications for DSASP concept, both internally and with stakeholders. The suggestions from the DSASP Workshop will help inform and guide future stakeholder meetings as the details for Direct Communications for DSASP are developed. To further inform the NYISO on how Direct Communications for DSASP may affect enrollment in its ancillary service markets, the NYISO requested that Market Participants provide MW estimates, along with resource types (individual or aggregations) and locations, and enrollment window estimates relative to NYISO's implementation of Direct Communications for DSASP.

<sup>&</sup>lt;sup>6</sup> NYISO DSASP Workshop presentation available at: <u>http://www.nyiso.com/public/webdocs/committees/bic\_prlwg/meeting\_materials/2010-05-12/Demand\_Side\_Ancillary\_Services\_Program\_Workshop.pdf</u>

## Market Rules for Aggregations of Small Demand Resources in the Ancillary Services Markets

As discussed above, the DSASP Workshop introduced concepts that may frame further discussions for aggregations of small demand resources in the NYISO's ancillary services markets. Direct Communication for DSASP is expected to provide a streamlined approach to implementation that will make it possible for aggregations of small demand resources to participate in NYISO's ancillary services markets. Any changes to market rules and procedures for incorporating aggregations of small demand resources into DSASP are included in the proposed timeline for developing the specifications and requirements for Direct Communications for DSASP. In accordance with the Commission's November 20, 2009 Order,<sup>7</sup> the NYISO expects to provide a separate report regarding incorporation of aggregations of small demand resources into its ancillary service markets by the end of the calendar year 2010.

## Plan of Action for Accommodating Demand Response Resource Participation in the Real-Time Energy Market

The NYISO will continue with its proposed plan of action for accommodating demand response resource participation in the real-time energy market outlined in its February 2010 Compliance Filing<sup>8</sup>. The NYISO recently provided comments on the Commission's Notice of Proposed Rule Making regarding compensation of demand response resources in energy markets,<sup>9</sup> expects to incorporate any decisions from the Commission regarding compensation of demand response in energy markets as it develops its preliminary market design during the third and fourth quarters of 2010.

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<sup>&</sup>lt;sup>7</sup> Docket No. ER-09-1142-000, New York Independent System Operator, Inc., *Order on Compliance Filing (November 20, 2009)),* 129 FERC ¶ 61,164.

<sup>&</sup>lt;sup>8</sup> February 2010 Compliance Filing at pp 11

<sup>&</sup>lt;sup>9</sup> Docket No. EL-09-68-000, RM10-17-000, May 13, 2010

### NYISO Report on New Generation Projects June 1, 2010

In its October 23, 2006 order, the Commission ordered the NYISO to submit "a list of investments in new generation projects in New York (including a description and current status of each such project), regardless of the stage of project development at the time of the filing." The NYISO keeps a list of Interconnection Requests and Transmission Projects for the New York Control Area ("NYCA") that includes information about all generation projects in the State that have requested interconnection.

The NYISO interconnection process is described in two attachments of the NYISO OATT: Attachment X entitled, "Standard Large Facility Interconnection Procedures," and Attachment Z entitled, "Small Generator Interconnection Procedures." Attachment X applies to Generating Facilities that exceed 20 MW in size and to Merchant Transmission Facilities, collectively referred to as "Large Facilities." Attachment Z applies to Generating Facilities no larger than 20 MW.

Under Attachment X, Developers of Large Facilities must submit an Interconnection Request to the NYISO. The NYISO assigns a Queue Position to all valid Interconnection Requests. Under Attachment X, proposed generation and transmission projects undergo up to three studies: the Feasibility Study, the System Reliability Impact Study, and the Facilities Study. The Facilities Study is performed on a Class Year basis for a group of eligible projects pursuant to the requirements of Attachment S of the NYISO OATT. Under Attachment Z, proposed small generators undergo a process that is similar, but with different paths and options that are dependent on the specific circumstances of the project.

Proposed generation and transmission projects currently in the NYISO Interconnection Process are listed on the list of Interconnection Requests and Transmission Projects for the NYCA ("NYISO Interconnection Queue"). The generation projects on that list are shown in Attachment A, which is dated April 30, 2010. The NYISO updates the NYISO Interconnection Queue on at least a monthly basis and posts the most recent list on the NYISO's public web site at http://www.nyiso.com/public/services/planning/interconnection\_studies\_process.jsp.

Explanations for the various columns of the list are provided in the notations at the bottom of each page of the report. The status of each project on the NYISO Interconnection Queue is shown in the column labeled "S." An explanation of this column is provided in Attachment B. Also, note that the proposed in-service date for each project is the date provided to the NYISO by the respective Owner/Developer, is updated only on a periodic basis, and is subject to change.

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<sup>&</sup>lt;sup>1</sup> New York Indep. Sys. Operator, Inc., 117 FERC ¶ 61,086, at P 14 (2006).

Queue			Date	SP	WP	Type/	Location		Interconnection			Last	Availability	Proposed	n-Service
Pos.	Owner/Developer	Project Name	of IR	(MW)	(MW)	Fuel	County/State	z	Point	Utility	s	Update	of Studies	Original	Current
19	NYC Energy LLC	NYC Energy LLC	5/7/99	79.9		CT-NG	Kings, NY	J	Kent Ave 138kV	CONED	10	10/29/08	SRIS, FS	2004/Q4	2010/Q4
20	KeySpan Energy, Inc.	Spagnoli Road CC Unit	5/17/99	250		CC-NG	Suffolk, NY	K	Spagnoli Road 138kV	LIPA	8	3/31/10	SRIS	2006	2013/06
69	Empire Generating Co., LLC	Empire Generating	7/14/00	635		CC-NG	Rensselaer, NY	F	Reynolds Road 345kV	NM-NG	12	3/31/10	SRIS, FS	2006	2010/07
106	TransGas Energy, LLC	TransGas Energy	10/5/01	1100		CC-NG	Kings, NY	J	E13St, Rainey, or Farragut-345kV	CONED	8	2/26/08	SRIS	2007	2012/Q3
115	Central Hudson Gas & Electric	East Fishkill Transformer	4/24/02	N/A		AC	Dutchess, NY	G	East Fishkill 345kV/115kV	CONED/CHG&E	4	8/19/08	None	2007/06	2012
119	ECOGEN, LLC	Prattsburgh Wind Farm	5/20/02	78.2		W	Yates, NY	С	Eelpot Rd-Flat St. 115kV	NYSEG	10	3/31/10	SRIS, FS	2005/02	2010/Q3
127A	Airtricity Munnsville Wind Farm, LLC	Munnsville	10/9/02	40		W	Madison, NY	Ε	46kV line	NYSEG	12,14	10/28/09	SRIS	2005/12	2013/12
142	EC&R Northeast, LLC	Steuben Wind	10/30/03	50		W	Steuben, NY	С	Bennett-Palmiter 115kV line	NYSEG	9	2/16/10	SRIS	2006/12	2010/12
147	NY Windpower, LLC	West Hill Windfarm	4/16/04	31.5		W	Madison, NY	С	Oneida-Fenner 115kV	NM-NG	10	12/22/09	SRIS, FS	2006/Q4	N/A
151	Con Edison	West Side Switching Station	6/30/04	N/A		AC	New York, NY	J	West 49th St & Farragut 345kV	CONED	4	2/26/08	None	2011/Q3	2011/Q3
152	Moresville Energy LLC	Moresville Energy Center	7/23/04	99	99	W	Delaware, NY	Ε	Axtell Road-Grand Gorge 115kV	NYSEG	8	2/16/10	SRIS	2006/12	2011/01
153	Con Edison	Sprain Brook-Sherman Creek	8/13/04	500		AC	Westchester, NY	I, J	Sprain Brook & Sherman Creek	CONED	6	4/8/09	SRIS	2007/Q3	2011/Q2
154	KeySpan Energy for LIPA	Holtsville-Brentwood-Pilgrim	8/19/04	N/A		AC	Suffolk, NY	K	Holtsville & Pilgrim 138kV	LIPA	5	7/10/08	None	2007/06	2012/12
155	Invenergy NY, LLC	Canisteo Hills Windfarm	9/17/04	148.5		W	Steuben, NY	С	Bennett-Bath 115kV	NYSEG	6	10/28/09	FES, SRIS	2006/08	N/A
156	PPM Energy/Atlantic Renewable	Fairfield Wind Project	9/28/04	74	74	W	Herkimer, NY	Ε	Valley-Inghams 115kV	NM-NG	11	4/30/10	SRIS, FS	2006/09	2011/01
157	BP Alternative Energy NA, Inc.	Orion Energy NY I	10/12/04	100	100	W	Herkimer, NY	Ε	Watkins RdInghams 115kV	NM-NG	6	10/28/09	FES, SRIS	2006/07	N/A
160	Jericho Rise Wind Farm, LLC	Jericho Rise Wind Farm	10/12/04	79.2	79.2	W	Franklin, NY	D	Willis 115 kV	NYPA	8	2/16/10	FES, SRIS	2006/09	2011
161	Marble River, LLC	Marble River Wind Farm	12/7/04	84	84	W	Clinton, NY	D	Willis-Plattsburgh WP-1 230kV	NYPA	10	11/30/09	SRIS, FS	2006	2011/10
166	AES-Acciona Energy NY, LLC	St. Lawrence Wind Farm	2/8/05	79.5	79.5	W	Jefferson, NY	Ε	Lyme Substation 115kV	NM-NG	10	2/16/10	SRIS	2006/12	2012/09
168	Dairy Hills Wind Farm, LLC	Dairy Hills Wind Farm	2/8/05	120	120	W	Wyoming, NY	С	Stolle RdMeyer 230kV	NYSEG	8	3/31/10	SRIS	2006/11	2012/02
169	Alabama Ledge Wind Farm, LLC	Alabama Ledge Wind Farm	2/8/05	79.8	79.8	W	Genesee, NY	В	Oakfield-Lockport 115kV	NM-NG	8	2/16/10	FES, SRIS	2007/12-2009/12	2011
171	Marble River, LLC	Marble River II Wind Farm	2/8/05	132.3	132.3	W	Clinton, NY	D	Willis-Plattsburgh WP-2 230kV	NYPA	10	11/30/09	SRIS, FS	2007/12	2011/10
178	Noble Allegany Windpark, LLC	Allegany Windpark	2/14/05	100.5	100.5	W	Cattaraugus, NY	Α	Freedom Substation 115kV	Village of Arcade	8	2/16/10	SRIS	2007/10	2011/09
180A	Green Power	Cody Rd	3/17/05	10	10	W	Madison, NY	С	Fenner - Cortland 115kV	NM-NG	11	10/28/09	None	None	2010/10
182	Howard Wind, LLC	Howard Wind	3/21/05	62.5	62.5	W	Steuben, NY	С	Bennett-Bath 115kV	NYSEG	10	10/28/09	SRIS, FS	2007/10	2010/12
185	New York Power Authority	Blenheim Gilboa Storage	3/29/05	120	120	PS	Schoharie, NY	F	Valenti Rd., Gilboa 345kV	NYPA	12,14	11/30/09	SRIS	2010	2010/05
186	Jordanville Wind, LLC	Jordanville Wind	4/1/05	80	80	W	Herkimer, NY	Ε	Porter-Rotterdam 230kV	NM-NG	10	10/28/09	SRIS, FS	2006/12	2011/12
189	PPM Energy, Inc.	Clayton Wind	4/8/05	126	126	W	Jefferson, NY	Ε	Coffeen St-Thousand Island 115k\	NM-NG	8	10/14/08	FES, SRIS	2006/12	2010/12
197	PPM Roaring Brook, LLC / PPM	Tug Hill	7/1/05	78	78	W	Lewis, NY	Ε	Boonville-Lowville 115kV	NM-NG	10	2/16/10	FES, SRIS	2009/12	2011/09
198	New Grange Wind Farm, LLC	Arkwright Summit Wind Farm	7/21/05	79.8	79.8	W	Chautauqua, NY	Α	Dunkirk-Falconer 115kV	NM-NG	8	2/16/10	FES, SRIS	2008/12	2011/09
201	NRG Energy	Berrians GT	8/17/05	200	200	CC-NG	Queens, NY	J	Astoria West Substation 138kV	CONED	6	11/30/09	FES	2008/02	2012/06
204A	Duer's Patent Project, LLC	Beekmantown Windfarm	10/31/05	19.5	19.5	W	Clinton, NY	D	46kV	NYSEG	10	10/28/09	None	2008/06	N/A
205	National Grid	Luther Forest	11/2/05	40	40	L	Saratoga, NY	F	Round Lake 115kV	NM-NG	6	10/14/08	SIS	2007/08	N/A
206	Hudson Transmission Partners	Hudson Transmission	12/14/05	660	660	DC/AC	NY, NY - Bergen, NJ	J	West 49th Street 345kV	CONED	10	2/16/10	FES, SRIS	2009/Q2	2011/Q4
207	BP Alternative Energy NA, Inc.	Cape Vincent	1/12/06	210	210	W	Jefferson, NY	Ε	Rockledge Substation 115kV	NM-NG	10	2/16/10	FES, SRIS	2009/Q4	2012/12
213	Noble Environmental Power, LLC	Ellenburg II Windfield	4/3/06	21	21	W	Clinton, NY	D	Willis-Plattsburgh WP-2 230kV	NYPA	10	11/30/09	SRIS, FS	2007/10	N/A
216	Nine Mile Point Nuclear, LLC	Nine Mile Point Uprate	5/5/06	168	168	NU	Oswego, NY	С	Scriba Station 345kV	NM-NG	10	2/16/10	SRIS	2010/Q3	2012/Q2

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Pos.	Owner/Developer	Project Name	of IR	(MW)	(MW)	Fuel	County/State	z	Point	Utility	s	Update	of Studies	Original	Current
222	Noble Ball Hill Windpark, LLC	Ball Hill Windpark	7/21/06	90	90	W	Chautauqua, NY	Α	Dunkirk-Gardenville 230kV	NM-NG	9	2/16/10	FES, SRIS	2008/10	2011/12
224	NRG Energy, Inc.	Berrians GT II	8/23/06	50	90	CT-NG	Queens , NY	J	Astoria West Substation 138kV	CONED	5	2/16/10	FES	2010/06	2012/06
225	New York State Electric & Gas	Ithaca Transmission	9/7/06	TBD	TBD	AC	Thompkins, NY	С	Oakdale - Lafayette 345kV	NYSEG	6	7/31/09	SIS	2009/12	2010/06
225A	Schenectady International, Inc.	SII Rotterdam Junction	9/8/06	9.3	9.3	Wo	Rotterdam, NY	F	69kV	NM-NG	10	10/28/09	None		N/A
227A	Laidlaw Energy Group Inc.	Laidlaw Energy & Env.	10/30/06	7	7	Wo	Cattaraugus, NY	Α	13.2kV	NM-NG	7	10/28/09	None		N/A
231	Seneca Energy II, LLC	Seneca	11/2/06	6.4	6.4	M	Seneca, NY	С	Goulds Substation 34.5kV	NYSEG	8	3/31/10	SRIS	2009/07	2010/10
232	Bayonne Energy Center, LLC	Bayonne Energy Center	11/27/06	512.5	512.5	CT-D	Bayonne, NJ	J	Gowanus Substation 345kV	ConEd	9	2/16/10	FES, SRIS	2008/11	2011/06
234	Steel Winds, LLC	Steel Winds II	12/8/06	15	15	W	Erie, NY	Α	Substation 11A 115kV	NM-NG	10	3/31/10	SRIS	2007/12	2010/11
236	Gamesa Energy USA, LLC	Dean Wind	12/14/06	150	150	W	Tioga - Schuyler, NY	С	Watercure-Oakdale 345kV	NYSEG	6	2/16/10	FES, SRIS	2009/12	2011/12
237	Allegany Wind, LLC	Allegany Wind	1/9/07	72.5	72.5	W	Cattaraugus, NY	Α	Homer Hill – Dugan Rd. 115kV	NM-NG	9	4/30/10	FES	2009/10	2011/10
239	Western Door Wind, LLC	Western Door Wind	1/30/07	100	100	W	Yates, NY	С	Greenidge – Haley Rd. 115kV	NYSEG	5	12/22/08	FES	2010/10	2010/10
239A	Innovative Energy System, Inc.	Modern Innovative Plant	1/31/07	6.4	6.4	M	Niagara, NY	Α	Youngstown - Sanborn 34.5kV	NM-NG	8	2/16/10	None	2007/12	2011/07
241	Noble Chateaugay Windpark II, LLC	Chateaugay II Windpark	3/15/07	19.5	19.5	W	Franklin, NY	Ε	Chateaugay Substation 115kV	NYSEG	6	3/31/10	None	2008/07	2011/07
245	Innovative Energy System, Inc.	Fulton County Landfill	4/17/07	3.2	3.2	M	Montgomary, NY	F	Ephratah – Amsterdam 69kV	NM-NG	9, 11	3/31/10	None	2008/Q3	2010/05
246	PPM Energy, Inc	Dutch Gap Wind	6/1/07	250	250	W	Jefferson, NY	Ε	Indian River - Black Rive 115kV	NM-NG	6	3/31/10	FES	2010/12	2011/12
247	RG&E	Russell Station	6/11/07	300	325	CC-NG	Monroe, NY	В	Russell Station 115kV	RG&E	5	10/28/09	None	2013/07	2013/03
250	Seneca Energy II, LLC	Ontario	7/2/07	6.4	6.4	M	Ontario, NY	В	Haley Rd Hall 34.5kV	NYSEG	10	3/31/10	None	2009/10	N/A
251	CPV Valley, LLC	CPV - Valley	7/5/07	630	630	CC-NG	Orange, NY	G	Coopers - Rock Tavern 345kV	NYPA	9	2/16/10	FES/SRIS	2012/05	2012/10
253	Marble River, LLC	Marble River SPS	8/13/07	TBD	TBD	AC	Clinton, NY	D	Moses-Willis-Plattsburgh 230kV	NYPA	5	10/28/09	None	2007/12	N/A
254	Ripley-Westfield Wind LLC	Ripley-Westfield Wind	8/14/07	124.2	124.2	W	Chautauqua, NY	Α	Ripley - Dunkirk 230kV	NM-NG	9	4/30/10	FES	2007/12	2011/12
257	RG&E	Brown's Race Uprate	9/12/07	2	2	Н	Monroe, NY	В	Beebee Station 34kV	RG&E	7	10/14/08	None	2008/12	2009/09-2010/10
260	Beacon Power Corporation	Stephentown	9/25/07	20	20	F	Rensselaer, NY	F	Stephentown 115kV	NYSEG	9	4/30/10	None	2008/10	2010/09
261	Astoria Generating Company	South Pier Improvement	10/2/07	91.2	95.5	CT-NG	Kings, NY	J	Gowanus 138kV	ConEd	9	4/30/10	None	2010/06	2012/05
263	Stony Creek Wind Farm, LLC	Stony Creek Wind Farm	10/12/07	88.5	88.5	W	Wyoming, NY	С	Stolle Rd - Meyer 230kV	NYSEG	9	4/30/10	FES	2010/01	2010/12
264	RG&E	Seth Green	10/23/07	2.8	2.8	Н	Monroe, NY	В	11kV	RG&E	7	10/14/08	None	2008/04	2010/01
266	NRG Energy, Inc.	Berrians GT III	11/28/07	789	789	CC-NG	Queens, NY	J	Astoria 345kV	NYPA	9	4/30/10	FES	2010/06	2012/06
267	Winergy Power, LLC	Winergy NYC Wind Farm	11/30/07	601	601	W	New York, NY	J	E13th St. Substation 345kV	ConEd	4	3/31/10	None	2015/01	2015/01
270	Wind Development Contract Co LLC	Hounsfield Wind	12/13/07	268.8	268.8	W	Jefferson, NY	Ε	Fitzpatrick - Edic 345kV	NYPA	6	3/31/10	FES/SRIS	2010/09	2010/09
271	State Line Wind Power LLC	State Line Wind	12/20/07	124.8	124.8	W	Chautauqua, NY	Α	South Ripley - Dunkirk 230kV	NM-NG	6	3/31/10	FES	2010/12	2011/06
276	Air Energie TCI, Inc.	Crown City Wind Farm	1/30/08	90	90	W	Cortland, NY	С	Cortland - Tully 115kV	NM-NG	5	6/24/09	FES	2011/12	2011/12
281	Riverbank Power Corporation	Riverbank Power G	2/20/08	1000	1000	PS	Rockland, NY	G	West Haverstraw 345kV	ConEd	3	1/21/09	None	2014/06	2014/06
282	Concord Wind Power LLC	Concord Wind	2/28/08	101.2	101.2	W	Chautauqua, NY	Α	Dunkirk - South Ripley 230kV	NM-NG	6	3/31/10	FES	2011/09	2011/09
284	Broome Energy Resources, LLC	Nanticoke Landfill	3/6/08	1.6	1.6	M	Broome, NY	С	Nanticoke Landfill Plant 34.5kV	NYSEG	10	11/30/09	None	2008/07	2010/05
285	Machias Wind Farm, LLC	Machias I	3/27/08	79.2	79.2	W	Cattaraugus, NY	Α	Gardenville - Homer Hill 115kV	NM-NG	4	2/16/10	None	2010/12	2012/12
287	Horizon Wind Energy, LLC	Pomfret	3/27/08	73.5	73.5	W	Chautauqua, NY	Α	Dunkirk - Falconer 115kV	NM-NG	3	12/22/08	None	2010/12	2010/12
289	New York State Electric & Gas	Corning Valley Trans.	4/1/08	N/A	N/A	AC	Steuben, NY	С	Avoca and Hillside 230kV	NYSEG	6	10/29/08	SIS	2010/12	2010/12
290	National Grid	Paradise	4/3/08	N/A	N/A	AC	Niagara, NY	Α	Paradise Station 115kV	NM-NG	6	10/14/08	SIS	2010/12	2010/12

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Pos.	Owner/Developer	Project Name	of IR	(MW)	(MW)	Fuel	County/State	z	Point	Utility	s	Update	of Studies	Original	Current
290A	Green Island Power Authority	Green Island Power	4/7/08	20	20	L	Albany, NY	F	Maplewood - Johnson Rd 115kV	NM-NG	5	10/14/08	None	2009/12	2009/12
291	Long Island Cable, LLC	LI Cable - Phase 1	4/14/08	440	440	W	Suffolk, NY	K	Ruland Road 138kV	LIPA	4	4/30/10	FES	2013/01	2014/01
292	Long Island Cable, LLC	LI Cable - Phase 2a	4/14/08	220	220	W	Suffolk, NY	K	Ruland Road 138kV	LIPA	4	4/30/10	FES	2013/06	2015/01
294	Orange & Rockland	Ramapo-Sugarloaf	4/29/08	N/A	N/A	AC	Orange/Rockland, NY	G	Ramapo - Sugarloaf 138kV	O&R	5	10/28/09	None	2009/06	N/A
295	CCH Holdings Group, LLC	Cross Hudson II	5/6/08	800	800	AC	New York, NY-NJ	J	West 49th St. Substation 345kV	ConEd	3	11/30/09	None	2011/06	2012/Q2
298	TCI Renewable, LLC	Leicester Wind	5/22/08	57	57	W	Livingston, NY	Α	Highbank - Mortimer 115kV	NYSEG	4	4/30/10	None	2011/12	2011/12
305	Transmission Developers Inc.	Transmission Developers NYC	7/18/08	1000	1000	DC	Quebec - NY, NY	J	Gowanus Substation 345kV	ConEd/NYPA	4	4/30/10	FES	2014/Q1	2014/Q1
306	Transmission Developers Inc.	Clay HVDC	7/18/08	2000	2000	DC	Onondaga/New York, NY	C, J	Clay 345kV - Sherman Creek 138 kV	NM-NG/ConEd	3	9/30/09	None	2014/Q1	2014/Q1
307	New York Wire, LLC	New York Wire-Phase 1	7/29/08	550	550	DC	NJ - Kings, NY	J	Gowanus Substation 345kV	ConEd	3	11/30/09	None	2013/07	2013/12
308	Astoria Energy II, LLC	Astoria Energy II	8/20/08	550	650	CS-NG	Queens, NY	J	Astoria 345kV	NYPA	9	4/30/10	None	2011/05	2011/05
310	Advanced Power Services	AP Dutchess	9/22/08	1002	938.7	CC-NG	Dutchess, NY	G	Pleasant Valley - Long Mt. 345kV	ConEd	5	4/30/10	FES	2014/12	2014/12
311	New York State Electric & Gas	Concord Casino	9/24/08	48.0	48.0	L	Sullivan, NY	Ε	Coopers Corner - Rock Hill	NYSEG	5	10/28/09	None	2009/09	N/A
313	Atlantic Wind, LLC	Stone Church Wind	9/30/08	150	150	W	St. Lawrence, NY	Е	Mc Intyre Substation 115 kV	NM-NG	3	9/1/09	None	2011/12	2011/12
315	CRC Renewables, LLC	Onondaga Renewables	10/23/08	47	47	Wo	Onondaga, NY	С	Geres Lock 115kV	NM-NG	5	2/16/10	None	2011/03	2011/03
318	AES Energy Storage, LLC	Westover Energy Storage	12/3/08	20	20	ES	Broome, NY	С	Westover 115kV	NYSEG	5	11/30/09	None	2010/01	2010/01
319	AES Energy Storage, LLC	Cayuga Energy Storage	12/3/08	20	20	ES	Onondaga, NY	С	Milliken 115kV	NYSEG	5	6/24/09	None	2010/07	2010/07
320	AES Energy Storage, LLC	Somerset Energy Storage	12/3/08	20	20	ES	Niagara, NY	Α	Somerset 69kV	NYSEG	5	11/30/09	None	2010/07	2010/07
322	Horizon Wind Energy, LLC	Stone's Throw Wind	1/13/09	59.4	59.4	W	Madison, NY	Ε	County Line - Brothertown 115kV	NYSEG	3	11/30/09	None	2012/12	2012/12
326	NYSEG/RG&E	Rochester SVC/PST Trans.	3/9/09	N/A	N/A	AC	Monroe, NY	В	Station 124 115kV	NYSEG	6	12/22/09	SIS	2011/12	2011/12
327	Con Edison	Offshore Wind	3/20/09	700	700	W	NY - Suffolk, NY	J, K	Far Rockaway 69kV	LIPA	3	9/30/09	None	2020/01	2015/01
330	BP Solar	Upton Solar Farms	4/7/09	32	32	S	Suffolk, NY	K	8ER Substation 69kV	LIPA	7	3/31/10	None	2011/05	2010/09-2011/09
331	National Grid	Northeast NY Reinforcement	4/22/09	N/A	N/A	AC	Saratoga, NY	F	NGrid 230kV	NM-NG	6	12/22/09	SIS	2010-2019	2010-2019
333	National Grid	Western NY Reinforcement	5/5/09	N/A	N/A	AC	Cattaraugus, NY	Α	NGrid 115kV	NM-NG	5	7/31/09	None	2014/Q2	2014/Q2
335	NextEra Energy Resources, LLC	Cold Creek Spring Wind	6/9/09	150	150	W	Cattaraugus, NY	Α	Salamanca - Falconer 115kV	NM-NG	3	4/30/10	None	2012/12	2012/12
336	Enfield Energy, LLC	Black Oak Wind	6/29/09	50	50	W	Thompkins, NY	С	Black Oak Rd 115kV	NYSEG	2	11/30/09	None	2010/10	2010/10
337	Long Island Power Authority	Northport Norwalk Harbor	7/14/09	N/A	N/A	AC	Suffolk, NY	K	Northport 138kV	LIPA	5	9/30/09	None	2016	2016
338	RG&E	Brown's Race II	8/11/09	8.3	8.3	Н	Monroe, NY	В	Station 3 / Station 137 34.5kV	RG&E	7	4/30/10	None	2011/08	2011/08
339	RG&E	Transmission Reinforcement	8/17/09	N/A	N/A	AC	Monroe, NY	В	Niagara - Kintigh 345kV	RG&E	5	11/30/09	None	2015/09	2015/09
340	RG&E	Brown's Race III	9/2/09	2	2	Н	Monroe, NY	В	Station 6 34.5 kV	RG&E	7	4/30/10	None	2010/12	2010/12
341	Covanta Energy	Hempstead Expansion	9/2/09	37	39	ST-SW	Nassau, NY	K	Hempstead 138kV	LIPA	4	11/30/09	None	2013/07	2013/07
342	Albany Energy, LLC	Albany Landfill	9/3/09	4.8	4.8	М	Albany, NY	F	34.5kV	NM-NG	4	12/22/09	None	2010/12	2010/12
343	Champlain Wind Link, LLC	Champlain Wind Link I	9/29/09	600	600	AC	Clinton, NY - VT	D	Plattsburgh - New Haven, VT 230kV	NYPA	4	12/22/09	None	2014/06	2014/06
344	Champlain Wind Link, LLC	Champlain Wind Link II	9/29/09	600	600	AC	Clinton, NY - VT	D	Plattsburgh - New Haven, VT 345kV	NYPA	4	12/22/09	None	2014/06	2014/06
346	Beacon Power	Scotia Industrial Park	11/24/09	20	20	F	Schenectady, NY	F	Spier - Rotterdam	NM-NG	4	2/16/10	None	2011/08	2011/08
347	Horizon Wind Energy, LLC	Franklin Wind	12/2/09	50.4	50.4	W	Delaware, NY	Ε	Sidney - Delhi 115kV	NYSEG	2	2/16/10	None	2012/12	2012/12
349	Taylor Biomass Energy, LLC	Taylor Biomass	12/30/09	22.6	22.6	SW	Montgomery, NY	F	Maybrook - Rock Tavern	CHGE	4	4/30/10	None	2012/04	2012/04
350	Lake Erie Wind, LLC	Lake Erie Wind	2/16/10	810	810	W	Chautauqua, NY	Α	Dunkirk Subsation 138kV	NM-NG	2	3/31/10	None	2015/12	2015/12

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351	Linden VFT, LLC	Linden VFT Uprate	3/2/10	15	15	AC	Richmond, NY-NJ	J	Goethals 345kV	CONED	2	3/31/10	None	2010/11	2010/11

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1=	Scoping Meeting Pending	Interconnection Request has been received, but scoping meeting has not yet occurred
2=	FESA Pending	Awaiting execution of Feasibility Study Agreement
3=	FES in Progress	Feasibility Study is in Progress
4=	SRIS Pending	Awaiting execution of SRIS Agreement and/or OC approval of SRIS scope
5=	SRIS in Progress	
6=	SRIS Approved	SRIS Approved by NYISO Operating Committee
7=	FS Pending	Awaiting execution of Facilities Study Agreement
8=	Rejected Cost Allocation/ Next FS Pending	Project was in prior class year, but rejected cost allocation— Awaiting execution of Facilities Study Agreement for next Class Year or the start of the next Class Year
9=	FS in Progress	Project in current Class Year Facilities Study
10=	Accepted Cost Allocation/ IA in Progress	Interconnection Agreement is being negotiated
11=	IA Completed	Interconnection Agreement is executed and/or filed with FERC
12=	Under Construction	Project is under construction
13=	In Service for Test	
14=	In Service Commercial	
0=	Withdrawn	Project is no longer in the Queue