

**THIS FILING LETTER DOES NOT CONTAIN ANY PRIVILEGED OR CONFIDENTIAL INFORMATION. THE BODIES OF THE REPORTS, INCLUDING TABLE 2 IN ATTACHMENT II (MARKED PUBLIC) DO NOT CONTAIN ANY PRIVILEGED OR CONFIDENTIAL INFORMATION. CONFIDENTIAL EXHIBIT A (ATTACHMENT III) INCLUDES UNREDACTED TABLES 2, 4, AND 5 WHICH CONTAIN PRIVILEGED AND CONFIDENTIAL INFORMATION, AND ARE SUBMITTED SEPARATELY.**

June 1, 2017

By Electronic Delivery

Honorable Kimberly D. Bose, Secretary  
Federal Energy Regulatory Commission  
888 First Street, NE  
Washington, DC 20426

Re: New York Independent System Operator, Inc. Semi-Annual Reports on  
New Generation Projects and Demand Response Programs; Docket Nos.  
ER03-647-000 and ER01-3001-000

Dear Secretary Bose:

Enclosed for filing in the above-referenced dockets are the New York Independent System Operator, Inc.'s ("NYISO") Semi-Annual Reports to the Federal Energy Regulatory Commission ("Commission") on the NYISO's New Generation Projects and Demand Response programs in the New York Control Area. This filing is made for informational purposes only in accordance with the Commission's delegated order issued February 23, 2010 in these dockets.<sup>1</sup>

**I. Documents Submitted**

The NYISO respectfully submits the following documents with this filing letter:

1. NYISO Semi-Annual Compliance Report on New Generation Projects (including its Exhibits A and B), June 1, 2017 ("Attachment I");

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<sup>1</sup> *New York Indep. Sys. Operator, Inc.*, Docket Nos. ER01-3001 and ER03-647 (Feb. 23, 2010).

2. NYISO Semi-Annual Compliance Report on Demand Response Programs, June 1, 2017 – Public (redacted) (“Attachment II”); and
3. Confidential Exhibit A to the NYISO Semi-Annual Compliance Report on Demand Response Programs, June 1, 2017 – CONFIDENTIAL (unredacted) (“Confidential Exhibit A”) (“Attachment III”).

## **II. Request for Confidential Treatment of Confidential Exhibit A to the NYISO Semi-Annual Compliance Report on Demand Response Programs**

The attached Semi-Annual Compliance Report on Demand Response Programs (“Demand Response Report,” filing Attachment II) summarizes the current status of demand response participation in the NYISO’s markets as of May 2017. The Demand Response Report redacts confidential, commercially sensitive information in Table 2, and omits Tables 4 and 5 in their entirety. The confidential, unredacted versions of Table 2, as well as the entirety of Tables 4 and 5 are in Confidential Exhibit A (Attachment III), which is labeled as confidential and is being filed separately.

In accordance with Sections 388.107 and 388.112 of the Commission’s regulations,<sup>2</sup> Article 6 of the NYISO’s Market Administration and Control Area Services Tariff, and Sections 1.0(4) and 4.0 of the NYISO’s Code of Conduct, the NYISO requests Privileged and Confidential treatment of the contents of Confidential Exhibit A. The NYISO also requests that the Confidential Exhibit A be exempted from public disclosure under the Freedom of Information Act (“FOIA”), 5 U.S.C. § 522.<sup>3</sup>

Confidential Exhibit A contains commercially sensitive, trade secret information that is not made public by the NYISO. Disclosure of such information could cause competitive harm to the affected Market Participants,<sup>4</sup> and could adversely affect competition in the markets administered by the NYISO. This information includes a very limited number of demand response Resources in certain Load Zones. Confidential Exhibit A also contains information on NYISO’s Demand Side Ancillary Services Program, and total enrollment for the entire program is very limited. With such a small number of Resources participating in the program, the aggregation of the data reported would not sufficiently mask confidential and commercially sensitive Market Participant Information. Further, because this confidential, commercially sensitive information is exempt from disclosure under 5 U.S.C. § 522(b)(4), the NYISO requests that the contents of Confidential Exhibit A receive Privileged and Confidential treatment and be exempt from FOIA disclosure. Confidential Exhibit A is identified and marked in accordance

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<sup>2</sup> 18 C.F.R. §§ 388.107 and 388.112 (2016).

<sup>3</sup> The information provided by the NYISO, for which the NYISO claims an exemption from FOIA disclosure, is labeled “Contains Privileged Information – Do Not Release.”

<sup>4</sup> Capitalized terms not otherwise defined herein have the meaning set forth in Section 2 of the NYISO’s Market Administration and Control Area Services Tariff.

with the Commission's regulations and rules published by the Secretary's Office for submitting privileged information.<sup>5</sup>

### **III. Communications and Correspondence**

All communications and service in this proceeding should be directed to:

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Respectfully submitted,

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<sup>5</sup> Notice of Document Labeling Guidance for Documents Submitted to or Filed with the Commission or Commission Staff (Apr. 14, 2017).

## Attachment I

## **ATTACHMENT I**

### **NYISO June 1, 2017 Report on New Generation Projects**

In an 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.”<sup>1</sup> The NYISO keeps a list of Interconnection Requests and Transmission Projects for the New York Control Area 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 Open Access Transmission Tariff: 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 merchant transmission projects undergo up to three studies: the Feasibility Study, the System Reliability Impact Study, and the Class Year Interconnection Facilities Study. The Class Year Interconnection 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 New York Control Area (“NYISO Interconnection Queue”). The generation projects on that list are shown in Exhibit A to this Attachment I, which is dated April 30, 2017. The NYISO updates its 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/markets\\_operations/services/planning/documents/index.jsp](http://www.nyiso.com/public/markets_operations/services/planning/documents/index.jsp) (in the “Interconnection Studies” section).

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 Exhibit B to this Attachment I. 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>1</sup> *New York Indep. Sys. Operator, Inc.*, 117 FERC ¶ 61,086, at P 14 (2006).

**Interconnection Requests and Transmission Projects**

Queue Pos.	Owner/Developer	Project Name	Date of IR	SP (MW)	WP (MW)	Type/ Fuel	Location County/State	Z	Interconnection Point	Utility	S	Last Update	Availability of Studies	FS Complete/ SGIA Tender	Proposed In-Service	Proposed COD
251	CPV Valley, LLC	CPV Valley Energy Center	7/5/07	677.6	690.6	CC-D	Orange, NY	G	Coopers – Rock Tavern 345kV	NYPA	11	7/31/16	FES, SRIS, FS	10/15/13	2017/06	2018/02
276	Air Energie TCI, Inc.	Crown City Wind Farm	1/30/08	90	90	W	Cortland, NY	C	Cortland - Fenner 115kV	NM-NG	7	1/31/15	FES, SRIS		2018/12	2018/12
331	National Grid	Northeast NY Reinforcement	4/22/09	N/A	N/A	AC	Saratoga, NY	F	NGrid 230kV	NM-NG	12,14	5/31/16	SIS		2010-2019	N/A
333	National Grid	Western NY Reinforcement	5/5/09	N/A	N/A	AC	Cattaraugus, NY	A	NGrid 115kV	NM-NG	12,14	5/31/16	SIS		2015-2019	N/A
338	RG&E	Brown's Race II	8/11/09	6.3	6.3	H	Monroe, NY	B	Station 137 11kV	RG&E	11	11/30/15	None		2018/09	2018/09
339	RG&E	Transmission Reinforcement	8/17/09	N/A	N/A	AC	Monroe, NY	B	Niagara - Kintigh 345kV	RG&E	12	12/31/16	SIS		2019/W	N/A
347	Franklin Wind Farm, LLC	Franklin Wind	12/2/09	50.4	50.4	W	Delaware, NY	E	Oakdale - Delhi 115kV	NYSEG	7	4/30/16	FES, SRIS		2019/10	2019/12
349	Taylor Biomass Energy-Montgomery, LLC	Taylor Biomass	12/30/09	19	22.5	SW	Orange, NY	G	Maybrook - Rock Tavern 69kV	CHGE	12	11/30/16	SRIS, FS	10/15/13	2017/12	2018/04
358	West Point Partners, LLC	West Point Transmission	9/13/10	1000	1000	DC	Greene, Westchester, NY	F, H	Leeds - Buchanan North 345kV	NM-NG/ConEd	7	4/30/17	FES, SRIS		2021/01	2021/05
361	US PowerGen Co.	Luyster Creek Energy	2/15/11	401	444	CC-D	Queens, NY	J	Astoria West Substation 138kV	CONED	7	1/31/15	FES, SRIS		2017/06	2017/06
363	Poseidon Transmission 1, LLC	Poseidon Transmission	4/27/11	500	500	DC	NJ - Suffolk, NY	K	Ruland Rd. 138kV	LIPA	10	2/28/17	FES, SRIS, FS	2/2/2017	2020/03	2020/06
367	Orange & Rockland	North Rockland Transformer	9/14/11	N/A	N/A	AC	Rockland, NY	G	Line Y94 345kV	ConEd	6	5/31/16	SIS		2018/06	N/A
371	South Mountain Wind, LLC	South Mountain Wind	10/31/11	18	18	W	Delaware, NY	E	River Rd Substation 46kV	NYSEG	7	10/31/14	None		2017/12	2017/12
372	Dry Lots Wind, LLC	Dry Lots Wind	10/31/11	33	33	W	Herkimer, NY	E	Schuyler - Whitesboro 46kV	NM-NG	7	1/31/15	FES, SRIS		2017/11	2017/11
382	Astoria Generating Co.	South Pier Improvement	5/30/12	91.2	95.5	CT-NG	Kings, NY	J	Gowanus Substation 138kV	ConEd	7	4/30/16	SRIS		2018/06	2018/06
383	NRG Energy, Inc.	Bowline Gen. Station Unit #3	5/30/12	775	814	CC-NG	Rockland, NY	G	Ladentown Substation 345kV	O&R/ConEd	7	6/30/16	SRIS		2022/01	2022/06
386	Vermont Green Line Devco, LLC	Grand Isle Intertie	6/28/12	400	400	DC	Clinton, NY - VT	D	Plattsburgh 230kV-New Haven, VT 345kV	NYPA	7	9/30/16	FES, SRIS		2018/06	2018/06
387	Cassadaga Wind, LLC	Cassadaga Wind	7/19/12	126	126	W	Chautauqua, NY	A	Dunkirk – Moon Station 115 kV	NM-NG	9	4/30/17	FES, SRIS		2019/09	2019/12
393	NRG Berrians East Development, LLC	Berrians East Repower	10/16/12	102.3	53	CC-D	Queens , NY	J	Astoria East Substation 138kV	CONED	9	4/30/17	FES, SRIS		2018/06	2018/06
395	Copenhagen Wind Farm, LLC	Copenhagen Wind	11/12/12	79.9	79.9	W	Lewis, NY	E	Black River-Lighthouse Hill 115kV	NM-NG	10	2/28/17	FES, SRIS, FS	2/2/2017	2018/05	2018/05
396	Baron Winds, LLC	Baron Winds	11/30/12	300	300	W	Steuben, NY	C	Hillside - Meyer 230kV	NYSEG	7	4/30/17	FES, SRIS		2019/09	2019/12
396A	New York State Electric & Gas	Wood Street Transformer	12/14/12	N/A	N/A	AC	Putnum, NY	G	Wood St. 345/115kV	NYSEG	6	5/31/16	SIS		2021/12	N/A
398	Black Oak Wind Farm, LLC	Black Oak Wind	1/10/13	12.5	12.5	W	Tompkins, NY	C	Montour - Coddington 115kV	NYSEG	10	11/30/16	None	8/28/15	2018/01	2018/03
401	Caithness Long Island II, LLC	Caithness Long Island II	3/22/13	744	807	CC-D	Suffolk, NY	K	Sills Road Substation 138kV	LIPA	8	1/31/17	SRIS		2018/04	2019/05
403	PSEG Power New York	Bethlehem Energy Center Up	5/28/13	72	51.2	CC-D	Albany, NY	F	Bethlehem Energy Center	NM-NG	10	2/28/17	FES, SRIS, FS	2/2/2017	2017-2019	2017-2019
414	North America Transmission, LLC	Segment B Enhanced	9/5/13	N/A	N/A	AC	Albany-Dutchess, NY	F, G	New Scotland - P. Valley 345kV	NM-NG/ConEd	5	3/31/17	None		2019	2019
421	EDP Renewables North America	Arkwright Summit	11/1/13	78	78	W	Chautauqua, NY	A	Dunkirk – Falconer 115 kV	NM-NG	9	11/30/16	SRIS		2017/10	2017/11
422	NextEra Energy Resources, LLC	Eight Point Wind Energy Center	11/7/13	101.2	101.2	W	Steuben-Allegany, N	B	Bennett 115kV	NYSEG	9	4/30/17	FES, SRIS		2018/12	2018/12
429	Orange & Rockland	North Rockland Station	2/12/14	N/A	N/A	AC	Rockland, NY	G	Line Y88 345kV	ConEd	6	5/31/16	SIS		2018/06	N/A
430	H.Q. Energy Services U.S. Inc.	Cedar Rapids Transmission	3/5/14	N/A	N/A	AC	St. Lawrence, NY	E	Dennison - Alcoa 115kV	NM-NG	7	2/28/17	SIS		2017/Q1	N/A
431	Greenidge Generation	Greenidge Unit #4	4/11/14	106.3	106.3	ST-NG	Yates, NY	C	Greenidge Substation 115kV	NYSEG	14	3/31/17	SRIS, FS		I/S	I/S
432	New York State Electric & Gas	South Perry Transformer	4/15/14	N/A	N/A	AC	Wyoming, NY	B	South Perry Substation 115kV	NYSEG	5	4/30/17	None		2019/07	N/A
440	Erie Power, LLC	Erie Power	6/2/14	79.4	88	CC-NG	Chautauqua, NY	A	South Ripley Substation 230kV	NM-NG	9	11/30/16	SRIS		2017/08	2017/08
444	Cricket Valley Energy Center, LLC	Cricket Valley Energy Center II	6/18/14	1020	1132	CC-NG	Dutchess, NY	G	Pleasant Valley - Long Mt. 345kV	ConEd	9, 11	3/31/17	SRIS		2017/12	2019/08
445	Lighthouse Wind, LLC	Lighthouse Wind	6/30/14	201.3	201.3	W	Niagara, NY	A	AES Somerset Substation 345kV	NYSEG	7	8/31/16	FES, SRIS		2017/09	2017/12
448	Alps Interconnector, LLC	Alps HVDC	8/12/14	600	600	DC	NE-Rensselaer, NY	F	Alps Substation 345kV	NM-NG	5	1/31/16	FES		2019/06	2019/06
449	Stockbridge Wind, LLC	Stockbridge Wind	8/13/14	72.6	72.6	W	Madison, NY	E	Whitman - Oneida 115kV	NM-NG	7	11/30/16	FES		2019/08	2019/12
458	TDI-USA Holdings, Inc.	CH Interconnection	10/24/14	1000	1000	DC	Quebec - NY, NY	J	Astoria Annex Substation 345kV	NYPA	7	4/30/17	FES, SRIS		2021/Q1	2021/Q2
461	Consolidated Edison Co. of NY	East River 1 Uprate	12/1/14	2	2	CT-NG	New York, NY	J	East River Complex	ConEd	9, 14	4/30/17	SRIS, FS	2/2/2017	I/S	I/S
462	Consolidated Edison Co. of NY	East River 2 Uprate	12/1/14	2	2	CT-NG	New York, NY	J	East River Complex	ConEd	9, 14	4/30/17	SRIS, FS	2/2/2017	I/S	I/S
465	Hudson Transmssion Partners	Hudson Transmission NY to PJM	12/15/14	675	675	DC/AC	New York, NY	J	W49th St 345kV - Bergen 230kV	ConEd	7	7/31/16	SRIS		2017/06	2017/06
466	Atlantic Wind, LLC	Bone Run Win	12/16/14	132	132	W	Cattaraugus, NY	A	Falconer - Homer Hill 115kV	NM-NG	7	11/30/16	FES, SRIS		2019/12	2019/12
467	Invenergy Solar Development, LLC	Shoreham Solar	12/22/14	25	25	S	Suffolk, NY	K	Ridge - Wildwood 69kV	LIPA	9	3/31/17	SRIS		2018/06	2018/06
468	Apex Clean Energy LLC	Galloo Island Wind	12/30/14	110.4	110.4	W	Oswego, NY	C	Hammermill - Wine Creek 115kV	NM-NG	7	4/30/17	FES, SRIS		2019/10	2019/12
473	Calverton Solar LLC	Calverton Solar	1/21/15	10	10	S	Suffolk, NY	K	Riverhead - Wildwood 69kV	LIPA	5	12/31/16	FES		2017/Q3	2017/Q3
474	EDP Renewables North America	North Slope Wind	1/30/15	200	200	W	Franklin-Clinton, NY	D	Patnode 230kV	NYPA	7	3/31/17	FES, SRIS		2021/10	2021/10
477	Riverhead Solar Farm LLC	Riverhead Solar	2/18/15	20	20	S	Suffolk, NY	K	Edwards Substation 138kV	LIPA	7	4/30/17	FES, SIS		2018/10	2018/10
487	LI Energy Storage System	Far Rockaway Battery Storage	3/9/15	20	20	ES	Suffolk, NY	K	Far Rockaway Substation 69kV	LIPA	3	4/30/16	None		2018/10	2018/10

**Interconnection Requests and Transmission Projects**

Queue Pos.	Owner/Developer	Project Name	Date of IR	SP (MW)	WP (MW)	Type/ Fuel	Location County/State	Z	Interconnection Point	Utility	S	Last Update	Availability of Studies	FS Complete/ SGIA Tender	Proposed In-Service	Proposed COD
494	Alabama Ledge Wind Farm LLC	Alabama Ledge Wind	3/31/15	79.8	79.8	W	Genesee, NY	A	Oakfield - Lockport 115kV	NM-NG	7	4/30/17	SRIS		2020/07	2020/10
495	Mohawk Solar LLC	Mohawk Solar	4/2/15	98	98	S	Montgomery, NY	F	St. Johnsville - Marshville 115kV	NM-NG	5	11/30/16	FES		2018/09	2018/12
496	Renovo Energy Center, LLL	Renovo Energy Center	4/13/15	480	504	CC	Chemung, NY - PA	C	Homer City - Watercure 345kV	NYSEG	9	4/30/17	FES, SRIS		2019/09	2020/06
497	Invenergy Wind Development LLC	Bull Run Wind	4/24/15	303.6	303.6	W	Clinton, NY	D	Patnode 230kV	NYPA	5	6/30/16	FES		2018/10	2018/12
498	ESC Tioga County Power, LLC	Tioga County Power	4/29/15	550	550	CC-NG	Chemung, NY - PA	C	Homer City - Watercure 345kV	NYSEG	9	4/30/17	FES, SRIS		2020/06	2021/05
505	RES America Developments Inc.	Ball Hill Wind	6/2/15	100	100	W	Chautauqua, NY	A	Dunkirk - Gardenville 230kV	NM-NG	9	4/30/17	SRIS		2018/09	2018/12
506	Empire State Connector Corp.	Empire State Connector	6/10/15	1000	1000	DC	Onondaga-New York, NY	C, J	Clay - Gowanus 345kV	NYPA/NM-NG/ConEd	3	10/31/15	None		2021/10	2022/01
510	Bayonne Energy Center	Bayonne Energy Center II	8/3/15	120.4	129.4	CT-D	Bayonne, NJ	J	Gowanus Substation 345kV	ConEd	9	1/31/17	SRIS		2017/11	2018/03
511	AG Energy, LP	Ogdensburg	9/4/15	79	90.1	CT-NG	St. Lawrence, NY	E	North Ogdensburg Substation	NM-NG	9	4/30/17	SRIS		2017/05	2017/06
512	Northbrook Lyons Falls	Lyons Falls Mill Hydro	9/11/15	14.1	14.1	H	Lewis, NY	E	Taylorville- Boonville 115 kV	NM-NG	7	11/30/16	SIS		2018/03	2018/03
513	Stony Creek Energy LLC	Orangeville	9/21/15	20	20	ES	Wyoming, NY	A	Stony Creek 230kV	NYSEG	5	10/31/16	None		2017/08	2017/08
514	RES Americas Developments Inc.	Empire Wind	10/1/15	120	120	W	Rensselaer, NY	F	Stephentown - Greenbush 115kV	NM-NG	4	2/28/17	FES		2019/10	2019/10
515	North Bergen Liberty Energy Center LLC	Liberty Generation	10/7/15	1000	1000	CC-NG	New York, NY	J	W49th St 345kV	ConEd	3	8/31/16	None		2019/06	2019/06
516	East Coast Power LLC	Linden Cogen Uprate	10/12/15	230	234	CT-NG	Linden, NJ-NY,NY	J	Linden Cogen 345kV	ConEd	9	4/30/17	SRIS		2020/05	2020/05
518	PPL Electric Utilities	Compass	10/27/15	N/A	N/A	AC	PA-Rockland, NY	G	Lackawanna - Ramapo 345kV	ConEd	4	4/30/17	FES		2023/12	2023/12
519	Canisteo Wind Energy LLC	Canisteo Wind	11/2/15	290.7	290.7	W	Steuben, NY	C	Bennett 115kV	NYSEG	5	10/31/16	FES		2019/10	2019/12
520	EDP Renewables North America	Rolling Upland Wind	12/3/15	72.6	72.6	W	Madison, NY	E	County Line - Bothertown 115kV	NYSEG	4	4/30/17	FES		2019/07	2019/10
521	Invenergy NY, LLC	Bull Run II Wind	12/15/15	145.4	145.4	W	Clinton, NY	D	Patnode 230kV	NYPA	4	4/30/17	FES		2018/10	2018/12
522	NYC Energy LLC	NYC Energy	12/16/15	79.9	79.9	CT	New York, NY	J	Hudson Avenue East 138kV	ConEd	4	2/28/17	FES		2017/10	2017/10
523	Dunkirk Power LLC	Dunkirk Unit 2	12/17/15	75	75	ST	Chautauqua, NY	A	Dunkirk 115kV	NM-NG	9	4/30/17	SRIS		2018/08	2018/12
524	Dunkirk Power LLC	Dunkirk Unit 3 & 4	12/17/15	370	370	ST	Chautauqua, NY	A	Dunkirk 230kV	NM-NG	9	4/30/17	SRIS		2018/08	2018/12
525	New York Power Authority	Western NY Energy Link	12/18/15	N/A	N/A	AC	Niagara, NY	A	Niagara - Stolle - Gardenville	NYPA/NYSEG	5	5/31/16	None		2020	N/A
526	Atlantic Wind, LLC	North Ridge Wind	12/23/15	100	100	W	St. Lawrence, NY	E	Colton - Malone 115kV	NM-NG	5	2/28/17	FES		2019/11	2019/12
527	Atlantic Wind, LLC	Horse Creek Wind	12/23/15	250	250	W	Jefferson, NY	E	Indian River 115kV	NM-NG	3	5/31/16	None		2019/11	2019/12
528	National Grid	Moderate Power Transfer	12/30/15	N/A	N/A	AC	Niagara-Erie, NY	A	Niagara, Erie, Stolle, Gardenville	NM-NG	5	3/31/17	None		2020/12	2020/12
529	National Grid	High Power Transfer	12/30/15	N/A	N/A	AC	Niagara-Erie, NY	A	Niagara, Erie, Stolle, Gardenville	NM-NG	5	3/31/17	None		2020/12	2020/12
530	NextEra Energy New York	Empire State Line	1/4/16	N/A	N/A	AC	Niagara-Erie, NY	A	Dysinger - Stolle 345kV	NYPA/NYSEG	5	3/31/17	None		2020/05	2020/05
531	Invenergy Wind Development LLC	Number 3 Wind Energy	1/11/16	105.8	105.8	W	Lewis, NY	E	Lowville - Bremen 115kV	NM-NG	5	2/28/17	FES		2019/10	2019/12
532	RES America Developments LLC	Allegany Wind	2/1/16	100	100	W	Allegany, NY	B	Freedom Substation	Village of Arcade	5	4/30/17	None		2018/09	2018/12
533	Delano Management LLC	Empire Interconnection	2/3/16	275	275	DC	Nassau, NY	K	Far Rockaway Substation 69kV	LIPA	3	10/31/16	None		2020/04	2020/05
534	OneEnergy Development, LLC	Great Valley Solar	2/3/16	20	20	S	Washington, NY	F	Battenkill Substation	NM-NG	4	4/30/17	FES		2018/02	2018/02
535	FTS DevCo LLC	Riverhead Expansion	2/23/16	60	60	S	Suffolk, NY	K	Edwards Substation 138kV	LIPA	3	11/30/16	None		2020/11	2020/12
536	Empire Interconnection LLC	Glenwood	4/19/16	275	275	AC	Suffolk, NY	K	Glenwood/Far Rockaway Station 69kV	LIPA	3	1/31/17	None		2020/04	2020/06
537	NextEra Energy New York	Segment A	4/25/16	N/A	N/A	AC	Oneida-Albany NY	E, F	Edic - New Scotland 345kV	NM-NG/NYPA	5	10/31/16	None		2018/11	2018/11
538	NextEra Energy New York	Segment B	4/25/16	N/A	N/A	AC	Albany-Dutchess, NY	F, G	Greenbush - PV 345kV	NM-NG/NYSEG/CHGE/ConEd	5	12/31/16	None		2018/11	2018/11
539	NextEra Energy New York	Segment B Alt	4/25/16	N/A	N/A	AC	Albany-Dutchess, NY	F, G	Greenbush - PV 345kV	NM-NG/NYSEG/CHGE/ConEd	5	12/31/16	None		2018/11	2018/11
540	AVANGRID	Connect NY Edic - PV	4/28/16	1000	1000	DC	Oneida-Dutchess, NY	E, G	Edic - PV 345kV	NM-NG/NYSEG/ConEd	5	12/31/16	None		2020/12	2020/12
541	AVANGRID	Connect NY Edic - Ramapo	4/28/16	1000	1000	DC	Oneida-Dutchess, NY	E, G	Edic - Ramapo 345kV	NM-NG/NYSEG/O&R	5	10/31/16	None		2020/12	2020/12
542	National Grid	Segment A Edic-New Scotland	5/4/16	N/A	N/A	AC	Oneida-Albany NY	E, F	Edic - New Scotland 345kV	NM-NG	5	11/30/16	None		2021/12	2021/12
543	National Grid	Segment B Knickerbocker-PV	5/4/16	N/A	N/A	AC	Albany-Dutchess, NY	F, G	Greenbush - PV 345kV	NM-NG/NYSEG/CHGE/ConEd	5	11/30/16	None		2021/12	2021/12
544	Invenergy Wind Development LLC	Alle Catt Wind	5/4/16	100.5	100.5	W	Cattaraugus, NY	A	Freedom Substation 115kV	Village of Arcade	4	9/30/16	None		2020/10	2020/12
545	Sky High Solar, LLC	Sky High Solar	5/10/16	20	20	S	Onondaga, NY	C	115kV	NM-NG	3	4/30/17	None		2018/12	2018/12
545A	NextEra Energy New York	Empire State Line Alt	5/17/16	N/A	N/A	AC	Niagara-Erie, NY	A	Dysinger - Stolle 345kV	NYPA/NYSEG	5	3/31/17	None		2020/06	2020/06
546	Atlantic Wind, LLC	Roaring Brook Wind	5/19/16	78	78	W	Lewis, NY	E	Chases Lake Substation	NM-NG	3	10/31/16	None		2019/11	2019/12
547	North America Transmission, LLC	Dysinger-Stolle	5/25/16	N/A	N/A	AC	Niagara-Erie, NY	A	Dysinger - Stolle 345kV	NYPA/NYSEG/NM-NG	5	3/31/17	None		2020/06	2020/06
548	North America Transmission, LLC	Dysinger-Stolle-Gardenville	5/25/16	N/A	N/A	AC	Niagara-Erie, NY	A	Dysinger - Gardenville 345kV	NYPA/NYSEG/NM-NG	5	3/31/17	None		2021/04	2021/04
549	North America Transmission, LLC	Niagara-Dysinger-Stolle-Gardenville	5/25/16	N/A	N/A	AC	Niagara-Erie, NY	A	Niagara - Gardenville 345kV	NYPA/NYSEG/NM-NG	5	3/31/17	None		2021/06	2021/06
550	North America Transmission, LLC	Dysinger-Stolle-Gardenville II	6/2/16	N/A	N/A	AC	Niagara-Erie, NY	A	Dysinger - Gardenville 345kV	NYPA/NYSEG/NM-NG	5	3/31/17	None		2020/12	2020/12

**Interconnection Requests and Transmission Projects**

Queue Pos.	Owner/Developer	Project Name	Date of IR	SP (MW)	WP (MW)	Type/ Fuel	Location County/State	Z	Interconnection Point	Utility	S	Last Update	Availability of Studies	FS Complete/ SGIA Tender	Proposed In-Service	Proposed COD
551	OneEnergy Development, LLC	Caprock Solar	6/24/16	20	20	S	Monroe, NY	B	South Union - Sweden 115kV	NM-NG	3	10/31/16	None		2018/06	2018/06
552	OneEnergy Development, LLC	Flotilla Solar	6/24/16	20	20	S	Monroe, NY	B	Brockport - Hamlin 115kV	NM-NG	3	10/31/16	None		2018/06	2018/06
555	North America Transmission, LLC	Segment A Base	7/6/16	N/A	N/A	AC	Oneida-Albany NY	E, F	Edic - New Scotland 345kV	NM-NG/NYSEG/CHGE/ConEd	5	1/31/17	None		2020/01	2020/01
556	North America Transmission, LLC	Segment A Double Circuit	7/6/16	N/A	N/A	AC	Oneida-Albany NY	E, F	Edic - New Scotland 345kV	NM-NG/NYSEG/CHGE/ConEd	5	1/31/17	None		2020/06	2020/06
557	North America Transmission, LLC	Segment A Enhanced	7/6/16	N/A	N/A	AC	Oneida-Albany NY	E, F	Edic - New Scotland 345kV	NM-NG/NYSEG/CHGE/ConEd	5	1/31/17	None		2020/01	2020/01
558	North America Transmission, LLC	Segment A 765	7/6/16	N/A	N/A	AC	Oneida-Albany NY	E, F	Edic - New Scotland 345kV	NM-NG/NYSEG/NYPA/CHGE/ConEd	5	12/31/16	None		2020/01	2020/01
559	North America Transmission, LLC	Segment B Base	7/6/16	N/A	N/A	AC	Oneida-Albany NY	E, F	Knickerbocker - PV 345kV	NM-NG/NYSEG/CHGE/ConEd	5	1/31/17	None		2019/09	2019/09
560	Atlantic Wind, LLC	Deer River Wind	7/8/16	100	100	W	Lewis, NY	E	Black River-Lighthouse Hill 115kV	NM-NG	3	11/30/16	None		2019/11	2019/12
561	Astoria Generating Co. LP	Astoria Generating Unit 4	7/18/16	385	385	ST	New York, NY	J	Astoria West Substation 138 kV	ConEd	5	2/28/17	None		2018/05	2018/05
563	Double Lock Solar, LLC	Double Lock Solar	7/25/16	20	20	S	Herkimer, NY	E	Marshville 115kV	NM-NG	4	4/30/17	None		2018/12	2018/12
564	Rock Distric Solar, LLC	Rock District Solar	7/25/16	20	20	S	Schoharie, NY	F	Sharon - Cobleskill 69kV	NM-NG	4	4/30/17	None		2018/12	2018/12
565	Tayandenga Solar, LLCe	Tayandenega Solar	7/25/16	20	20	S	Herkimer, NY	E	St. Johnsville - Inghams 115kV	NM-NG	4	4/30/17	None		2018/12	2018/12
566	New York Power Authority	MA 1 & 2 Rebuild	8/4/16	N/A	N/A	AC	St. Lawrence-Lewis, NY	D, E	Moses & Adirondack 230kV	NYPA	5	10/31/16	None		2022/12	2022/12
567	Tribes Hill Solar, LLC	Tribes Hill Solar	8/10/16	20	20	S	Mongomery, NY	F	Church St. 69KV	NM-NG	4	4/30/17	None		2018/12	2018/12
568	Turkey Hollow Solar, LLC	Turkey Hollow Solar	8/16/16	20	20	S	Delaware, NY	F	Grand Gorge - Axtell Road 115kV	NYSEG	4	4/30/17	None		2018/12	2018/12
570	Hecate Energy, LLC	Albany County	8/17/16	20	20	S	Albany, NY	F	Long Lane - Lafarge 115kV	NM-NG	5	2/28/17	None		2017/12	2017/12
571	Heritage Renewables, LLC	Heritage Wind	9/1/16	200.1	200.1	W	Genesee, NY	A	Shelby - Sweden 115kV	NM-NG	3	3/31/17	None		2019/08	2019/12
572	Hecate Energy, LLC	Greene County I	9/6/16	20	20	S	Greene, NY	G	Coxsackie - North Catskill 69kV	CHGE	4	11/30/16	None		2017/12	2017/12
573	Hecate Energy, LLC	Greene County II	9/6/16	10	10	S	Greene, NY	G	Coxsackie Substation 13.2kV	CHGE	4	11/30/16	None		2017/12	2017/12
574	Atlantic Wind, LLC	Mad River Wind	9/16/16	450	450	W	Jefferson-Oswego, NY	C	Volney - Marcy 345kV	NM-NG	3	4/30/17	None		2020/11	2020/12
575	Little Pond Solar, LLC	Little Pond Solar	9/16/16	20	20	S	Rockland, NY	G	Mongaup - Shoemaker 69kV	O&R	3	2/28/17	None		2017/06	2017/06
576	Astoria Generating Company	Astoria Generating Unit 4	9/16/16	385	385	St	New York, NY	J	Astoria East Substation 138kV	ConEd	5	2/28/17	None		2018/05	2018/05
577	Greene County Energy Properties, LLC	Greene County Energy	9/20/16	20	20	S	Greene, NY	G	New Baltimore - Coxsackie 69 kV	CHGE	4	4/30/17	None		2018/08	2018/08
578	Sharon Solar LLC	Sharon Solar	9/20/16	20	20	S	Schoharie, NY	F	Sharon Substation 69kV	NM-NG	2	4/30/17	None		2018/12	2018/12
579	Bluestone Wind, LLC	Bluestone Wind	9/21/16	124.2	124.2	W	Broome, NY	E	Afton - Stilesville 115kV	NYSEG	3	2/28/17	None		2020/08	2020/11
580	Genesee County Economic Devel.	WNY STAMP	9/27/16	500	500	L	Genesee, NY	A	Kintigh/Niagara - Rochester 345kV	NYPA	5	2/28/17	None		2020/06	2020/06
581	GCSD NY Solar, LLC	Hills Solar	10/6/16	20	20	S	Herkimer, NY	E	Salisbury Station 115kV	NM-NG	2	1/31/17	None		2018/06	2018/06
582	Sunny Knoll Solar LLC	Sunny Knoll Solar	10/18/16	20	20	S	Schoharie, NY	F	Cobleskill - Schoharie 69kV	NM-NG	4	4/30/17	None		2018/12	2018/12
583	Erie Boulevard Hydropower, LP	Fulton	10/31/16	1.3	1.3	H	Oswego, NY	C	Fay St. 34.5kV	NM-NG	9	3/31/17	None		2017/04	2017/04
584	GCSD NY Solar, LLC	Dog Corners Solar	11/2/16	20	20	S	Cayuga, NY	C	Aurora Substation 34.5kV	NYSEG	4	4/30/17	None		2018/06	2018/06
585	Community Energy Solar Development LLC	Caledonia I Solar	11/7/16	20	20	S	Livingston, NY	A	Golah - York 69kV	NM-NG	2	1/31/17	None		2018/09	2018/09
586	GCSD NY Solar, LLC	Watkins Rd Solar	11/8/16	20	20	S	Herkimer, NY	E	Watkins Rd 115kV	NM-NG	4	4/30/17	None		2018/06	2018/06
587	Community Energy Solar Development LLC	Fork Valley Solar	11/8/16	20	20	S	Steuben, NY	C	Eelpot Rd Substation	NYSEG	2	1/31/17	None		2018/09	2018/09
588	Exelon Transmission Co., LLC	Niagara Transmission Expansion	11/15/16	N/A	N/A	AC	Niagara-Erie, NY	A	Niagara - Gardenville	NYPA/NYSEG/NM-NG	4	1/31/17	None		2024/07	2024/07
589	RES America Developments LLC	Boonville Solar	12/2/16	20	20	S	Lewis, NY	E	Boonville Substation	NM-NG	2	3/31/17	None		2018/06	2018/09
590	RES America Developments LLC	Scipio Solar	12/2/16	20	20	S	Cayuga, NY	C	Scipio Substation	NYSEG	2	3/31/17	None		2018/06	2018/09
591	RES America Developments LLC	South Perry Solar	12/2/16	20	20	S	Wyoming, NY	B	South Perry Substation	NYSEG	2	3/31/17	None		2018/06	2018/09
592	RES America Developments LLC	Bennington Solar	12/2/16	20	20	S	Wyoming, NY	B	Bennington Substation	NYSEG	2	3/31/17	None		2018/06	2018/09
594	North Park Energy, LLC	NW Energy	12/29/16	64.8	64.8	ES	Wyoming, NY	B	Wethersfield Substation 230kV	NYSEG	2	1/31/17	None		2019/10	2019/12
595	North Park Energy, LLC	SW Energy	12/29/16	110.1	110	ES	Cattaraugus, NY	A	Five Mile Rd Substation 115kV	NM-NG	2	1/31/17	None		2019/10	2019/12
596	Invenergy Wind Development LLC	Alle Catt II Wind	1/4/17	381.1	381.1	W	Cattaraugus, NY	A	Stolle - SW 345kV	NM-NG	2	3/31/17	None		2021/10	2021/12
597	Hecate Energy, LLC	Greene County III	1/10/17	20	20	S	Greene, NY	G	North Catskill - Coxsackie 69kV	CHGE	4	4/30/17	None		2018/06	2018/06
598	Hecate Energy, LLC	Albany County II	1/10/17	20	20	S	Albany, NY	F	Long Lane - Lafarge 115kV	NGrid	4	4/30/17	None		2018/06	2018/06
600	Conti Solar	Johnson Solar	1/12/17	20	20	S	Washington, NY	G	Mechanicville - Schaghticoke 34.5kV	NGrid	2	4/30/17	None		2018/04	2018/04
601	HP Hood LLC	Hood Cogen	1/20/17	4	4		Madison, NY	C	Onedia - Fenner 115kV	NGrid	2	2/28/17	None		2017/12	2017/12
602	Cypress Creek Renewables	Keesog Solar	1/30/17	50	50	S	Franklin, NY	D	Moses - Willis 230kV	NYPA	2	4/30/17	None		2020/08	2020/08
603	Hecate Energy Riverhead, LLC	Riverhead	2/3/17	7.5	7.5	S	Suffolk, NY	K	Wildwood - Riverhead 69kV	LIPA	2	3/31/17	None		2018/06	2018/06



**Interconnection Requests and Transmission Projects**

Queue Pos.	Owner/Developer	Project Name	Date of IR	SP (MW)	WP (MW)	Type/ Fuel	Location County/State	Z	Interconnection Point	Utility	S	Last Update	Availability of Studies	FS Complete/ SGIA Tender	Proposed In-Service	Proposed COD
604	Hecate Energy Columbia County 1, LLC	Columbia County 1	2/7/17	20	20	S	Columbia, NY	G	Craryville Substation 34.5kV	NYSEG	2	4/30/17	None		2018/06	2018/06
605	Hecate Energy Columbia County 2, LLC	Columbia County 2	2/7/17	20	20	S	Columbia, NY	G	Craryville Substation 34.5kV	NYSEG	2	4/30/17	None		2018/06	2018/06
606	Hecate Energy Craryville 3, LLC	Columbia County 3	2/7/17	10	10	S	Columbia, NY	G	Craryville Substation 34.5kV	NYSEG	2	4/30/17	None		2018/06	2018/06
608	ITC New York Development, LLC	Segment A	2/8/17	N/A	N/A	AC	Oneida-Albany NY	E, F	Edic - New Scotland 345kV	NM-NG	4	3/31/17	None		2020/04	2020/04
609	ITC New York Development, LLC	Segment B	2/8/17	N/A	N/A	AC	Oneida-Albany NY	E, F	Knickerbocker - PV 345kV	NM-NG/NYSEG/ CHGE/ConEd	4	3/31/17	None		2021/04	2021/04
610	Woodruff Solar, LLC	Woodruff Solar	2/10/17	20	20	S	Livingston, NY	A	Golah - York 69kV	NM-NG	2	4/30/17	None		2018/12	2018/12
611	Badra Solar, LLC	Badra Solar	2/10/17	20	20	S	Franklin, NY	D	Nicholville - Malone 115kV	NM-NG	2	3/31/17	None		2018/12	2018/12
612	Deepwater Wind South Fork, LLC	South Fork Wind Farm	2/14/17	95.5	95.5	W	Suffolk, NY	K	East Hampton 69kV	LIPA	4	3/31/17	None		2022/08	2022/12
614	Sabertooth Solar, LLC	Sabertooth Solar	2/22/17	20	20	S	Cortland, NY	B	Willett - Lapeer 115kV	NYSEG	2	4/30/17	None		2019/02	2019/02
615	West Point Partners, LLC	West Point II HVDC	3/2/17	1000	1000	DC	Albany, Westchester, F, H		New Scotland - Buchanan South 345kV	NM-NG/ConEd	2	4/30/17	None		2022/01	2022/05
616	RES America Developments Inc.	Mohawk Solar	3/23/17	20	20	S	Herkimer, NY	E	Watkins Rd 115kV	NM-NG	1	4/30/17	None		2018/06	2018/06
617	North Park Solar, LLC	Watkins Glen Solar	3/27/17	80	80	S	Schuyler, NY	C	Bath - Montour Falls 115kV	NYSEG	1	4/30/17	None		2020/07	2020/12
618	North Park Solar, LLC	High River Solar	3/27/17	100	100	S	Schenectady, NY	F	Amsterdam Substation 115kV	NM-NG	1	4/30/17	None		2020/07	2020/12
619	North Park Solar, LLC	East Point Solar	3/27/17	80	80	S	Schoharie, NY	F	Sharon Substation 69kV	NM-NG	1	4/30/17	None		2020/07	2020/12
620	North Park Solar, LLC	North Side Solar	3/27/17	180	180	S	St. Lawrence, NY	E	Massena Substation 203kV	NYPA	1	4/30/17	None		2020/07	2020/12
621	Geronimo Solar Energy, LLC	Saugerties Solar	3/27/17	20	20	S	Ulster, NY	G	Saugerties Substation	CHGE	1	4/30/17	None		2019	2019
622	Geronimo Solar Energy, LLC	Alcoa Solar	3/27/17	20	20	S	St. Lawrence, NY	E	13.8kV	NM-NG	1	4/30/17	None		2019	2019

Number of new projects during April	8
Number of new projects year to date	35
Number withdrawn during April	4
Number withdrawn year to date	12

NOTES: • The column labeled 'SP' refers to the maximum summer megawatt electrical output. The column labeled 'WP' refers to the maximum winter megawatt electrical output.

• Type / Fuel. Key: ST=Steam Turbine, CT=Combustion Turbine, CC=Combined Cycle, CS= Steam Turbine & Combustion Turbine, H=Hydro, PS=Pumped Storage, W=Wind, NU=Nuclear, NG=Natural Gas, M=Methane, SW=Solid Waste, S=Solar, Wo=Wood, F=Flywheel ES=Energy Storage, O=Oil, C=Coal, D=Dual Fuel, AC=AC Transmission, DC=DC Transmission, L=Load, FC=Fuel Cell

• The column labeled 'Z' refers to the zone

• The column labeled 'S' refers to the status of the project in the NYISO's LFIP. Key: 1=Scoping Meeting Pending, 2=FES Pending, 3=FES in Progress, 4=SRIS/SIS Pending, 5=SRIS/SIS in Progress, 6=SRIS/SIS Approved, 7=FS Pending, 8=Rejected Cost Allocation/Next FS Pending, 9=FS in Progress, 10=Accepted Cost Allocation/IA in Progress, 11=IA Completed, 12=Under Construction, 13=In Service for Test, 14=In Service Commercial, 0=Withdrawn

• Availability of Studies Key: None=Not Available, FES=Feasibility Study Available, SRIS=System Reliability Impact Study Available, FS=Facilities Study and/or ATRA Available

• FS Complete/SGIA Tender refers to the Attachment X milestone used to apply the 4-year COD limitation.

• Proposed in-service dates and Commerical Operation Dates (COD) are shown in format Year/Qualifier, where Qualifier may indicate the month, season, or quarter.

## ATTACHMENT I

### New Generation Report – Exhibit B

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/SIS Pending	Awaiting execution of System Impact Study (SIS) Agreement or System Reliability Impact Study (SRIS) Agreement and/or Operating Committee approval of SIS/SRIS scope
5=	SIS/SRIS in Progress	SIS/SRIS is in Progress
6=	SIS/SRIS Approved	SIS/SRIS report has been 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 Developer's decision to elect to enter next Class Year Study
9=	FS in Progress	Class Year Facilities Study or Small Generator Facilities Study is in Progress
10=	Accepted Cost Allocation/ IA in Progress	Project accepted its System Upgrade Facilities Project Cost Allocation in a Class Year Study, if applicable, and Interconnection Agreement is under negotiation
11=	IA Completed	Interconnection Agreement is fully executed or filed unexecuted with FERC
12=	Under Construction	Project is under construction
13=	In Service for Test	Project is In-Service and is in Trial Operations
14=	In Service Commercial	Project is in Commercial Operation

## Attachment II

**ATTACHMENT II**  
**PUBLIC**

**New York Independent System Operator, Inc.**

**Semi-Annual Compliance Report on Demand Response Programs**  
**June 1, 2017**

This report summarizes the status of demand response participation in the New York Independent System Operator Inc.'s ("NYISO's") markets as of the Installed Capacity ("ICAP") auction month of May 2017. As in previous years, this report focuses on enrolled demand response participation in preparation for the Summer Capability Period.<sup>1</sup> An overview of the status of the NYISO's several demand response initiatives is provided below.

Deployments of the NYISO's two reliability-based programs (the Emergency Demand Response Program ("EDRP") and the Installed Capacity – Special Case Resource program ("ICAP/SCR")) during the Summer 2016 Capability Period were reported in the NYISO's 2017 Demand Response Annual Report ("January 2017 Report").<sup>2</sup>

The NYISO also has two economic programs (the Day-Ahead Demand Response Program ("DADRP") and the Demand-Side Ancillary Services Program ("DSASP")). DADRP enrollment has been static for several years and enrolled resources have not participated in the energy market for more than four years. Given the lack of activity during the analysis period, there is no market participation to report.

### **Demand Response Enrollment**

This report presents statistical data on demand response enrollment. Demand response providers include individual retail electricity consumers that participate directly in the NYISO's market as a Customer, as well as curtailment service providers, which is a general term used to identify the NYISO Customers that represent retail customers in the NYISO's demand response programs.<sup>3</sup>

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<sup>1</sup> Capitalized terms not otherwise defined herein have the meaning set forth in Section 2 of the NYISO's Market Administration and Control Area Services Tariff ("Services Tariff").

<sup>2</sup> New York Indep. Sys. Operator, Inc. Jan. 15, 2017 Annual Report on Demand Response Programs, Docket No. ER01-3001-021.

<sup>3</sup> The term "curtailment service providers" as used in this report refers to Responsible Interface Parties (RIPs) as defined in Services Tariff Section 2.18 and as used therein and in the *Installed Capacity Manual*, Demand Reduction Providers (DRPs) as defined in Services Tariff Section 2.4 and used in the *DADRP Manual*, and the four types of Market Participants identified in the *EDRP Manual*. A retail customer participating directly in a NYISO demand response program with its own Load must be a NYISO Customer, and it acts as its own curtailment service provider. The Services Tariff defines Curtailment Services Provider solely in relation to the EDRP (see Services Tariff Section 2.3), which is narrower than as used in this report.

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

- Aggregator - an entity that enrolls individual retail electricity consumers within the same Load Zone that may be aggregated to form a single demand response resource;
- Competitive Load Serving Entity<sup>4</sup> (“LSE”) - an entity authorized to supply Energy, Capacity and/or Ancillary Services to retail customers located within the New York Control Area (“NYCA”);
- Transmission Owner<sup>5</sup>/LSE - the public utility or authority that owns facilities used for the transmission of Energy in interstate commerce and provides Transmission Service under the Services Tariff; and
- Direct Customer - an entity that registers as a Market Participant with the NYISO to participate on their own behalf in any of the NYISO’s demand response programs.

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

<b>Provider Type</b>	<b>Number as of May 2017</b>
Aggregator	13
Competitive LSE*	7
TO/LSE	2
Direct Customer	3
<b>Total</b>	<b>25</b>

\* Competitive LSEs are LSEs that are not also TOs.

Since the NYISO’s 2016 Semi-Annual Demand Response Report (“June 2016 Report”),<sup>6</sup> the number of curtailment service providers participating in the NYISO’s demand response programs has decreased by three.

Tables 2 and 3 present enrollment statistics by Load Zone for EDRP and ICAP/SCR respectively. Each table presents the total number of resources, total MW enrolled, and the enrolled MW of eligible Local Generators, or other behind-the-meter supply sources, facilitating load reduction. In addition, changes in the number of resources and enrolled MW since the June 2016 Report are shown by Load Zone.

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<sup>4</sup> See Services Tariff Section 2.12.

<sup>5</sup> See Services Tariff Section 2.20.

<sup>6</sup> New York Indep. Sys. Operator, Inc. June 1, 2016 Semi-Annual Reports on Demand Response Programs and New Generation Projects, Docket No. ER03-647, *et al.*

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Table 2 shows EDRP Enrollment and ICAP Unsold. Of the 92 end-use locations, 87 participated in the EDRP program and 5 were ICAP/SCRs with unsold capacity.<sup>7</sup> Enrolled EDRP MW and ICAP Unsold increased 164% and end-use locations increased 43.8% since the June 2016 Report. The largest increase in enrolled MW occurred in Load Zone A (West) and the largest increase in end-use locations occurred in Zone J (New York City).

**Table 2: EDRP Enrollment and ICAP Unsold (as of May 2017)**

<b>Zone</b>	<b>No. of End-Use Locations</b>	<b>MW of Load Reduction</b>	<b>MW of Local Generators</b>	<b>Total MW</b>	<b>Change in No. of End-Use Locations from May 2016</b>	<b>Change in Total MW from May 2016</b>
A	9	41.6	0.0	41.6	*	37.7
B	*	0.4	0.0	0.4	0	-0.2
C	20	11.1	0.0	11.1	0	0.0
D	7	3.4	0.0	3.4	0	0.0
E	11	5.4	0.0	5.4	0	0.0
F	*	7.0	0.0	7.0	*	6.7
G	*	0.0	0.0	0.0	0	0.0
H	*	1.6	0.1	1.7	0	-0.3
I	*	0.1	0.0	0.1	*	0.1
J	32	0.3	0.0	0.3	22	0.1
K	*	0.0	0.0	0.0	0	0.0
<b>Total</b>	<b>92</b>	<b>70.9</b>	<b>0.1</b>	<b>71.0</b>	<b>28</b>	<b>44.1</b>

\* When the number of end-use locations is less than 5, the value has been masked in this public version of the table.

Table 3 reflects ICAP/SCR MW sold in the May 2017 ICAP Spot Market Auction (May is the first month of the Summer Capability Period). Historical data shows that enrollment in the ICAP/SCR program changes monthly throughout the Summer Capability Period. The data shows ICAP/SCR enrolled MW decreased 1.3% compared with the same period reported in the June 2016 Report and the number of end-use locations decreased 0.6%.

<sup>7</sup> ICAP/SCRs with unsold capacity are those resources that did not sell their full available capacity.

**ATTACHMENT II**  
**PUBLIC**

**Table 3: ICAP/SCR Sold (as of May 2017)**

<b>Zone</b>	<b>No. of End-Use Locations</b>	<b>MW of Load Reduction</b>	<b>MW of Local Generators</b>	<b>Total MW</b>	<b>Change in No. of End-Use Locations from May 2016</b>	<b>Change in Total MW from May 2016</b>
A	254	257.7	2.9	260.6	-48	-24.1
B	196	49.3	7.4	56.7	-40	-16.7
C	225	123.8	1.4	125.2	-39	7.4
D	23	57.1	0.2	57.3	0	-5.4
E	117	31.8	2.2	34.1	-20	-3.6
F	170	83.2	17.1	100.2	-13	9.5
G	143	35.0	14.2	49.2	-12	-6.1
H	23	6.4	0.9	7.3	-9	-0.3
I	96	13.3	5.2	18.5	-9	-5.3
J	1881	326.7	61.8	388.5	222	29.8
K	323	37.3	9.9	47.3	-53	0.4
<b>Total</b>	<b>3451</b>	<b>1021.7</b>	<b>123.2</b>	<b>1144.9</b>	<b>-21</b>	<b>-14.5</b>

\* Depending upon the meter configuration of an individual resource the MW available from Local Generators may be greater than the MW of Load Reduction (i.e., curtailment).

For the majority of the analysis period of November 2016 through April 2017, there were three Demand Side Resources actively participating in the DSASP as providers of Operating Reserves. The resources represented 106.5 MW of capability and had an average performance of 106.0% during this analysis period.

Tables 4 and 5, not presented in this public report, describe enrollment in the DSASP. Due to the limited participation in this program, those tables are provided only in Confidential Exhibit A.

### **Update on 2017 Demand Response Initiatives**

This section provides an update on the projects that the NYISO has planned for its demand response programs for 2017.

#### **Demand Response in the Real-Time Energy Market via the NYISO's Distributed Energy Resources Roadmap for New York's Wholesale Electricity Markets**

The NYISO initiated a project in 2016 to develop a roadmap to integrate Distributed Energy Resources (DER), including demand response, into its real-time Energy markets. The primary outcome of this initiative will be the integration of dispatchable DER.<sup>8</sup> The NYISO has developed a DER Roadmap describing NYISO's vision for integrating these resources into the

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<sup>8</sup> The NYISO's initiative to integrate distributed energy resources will also include concepts for participation in the NYISO's capacity and ancillary services markets.

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wholesale markets and made the Roadmap available to stakeholders in February 2017.<sup>9</sup> The integration of DER into the NYISO's markets will continue to be the main driver in demand response innovation for 2017. The NYISO is continuing to work with its stakeholders through its shared governance process to develop a detailed market design concept and market rules.

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<sup>9</sup> New York Indep. Sys. Operator, Inc., *Distributed Resources Roadmap for New York's Wholesale Electricity Markets* (Feb. 2017), [http://www.nyiso.com/public/webdocs/markets\\_operations/market\\_data/demand\\_response/Distributed\\_Energy\\_Resources/Distributed\\_Energy\\_Resources\\_Roadmap.pdf](http://www.nyiso.com/public/webdocs/markets_operations/market_data/demand_response/Distributed_Energy_Resources/Distributed_Energy_Resources_Roadmap.pdf).