

**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, 2018

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, 2018 ("Attachment F");

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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, 2018 – Public (redacted) (“Attachment II”); and
3. Confidential Exhibit A to the NYISO Semi-Annual Compliance Report on Demand Response Programs, June 1, 2018 – 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 2018. 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,<sup>3</sup> 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>4</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>5</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> Open Access Transmission Tariff §§ 12.1(4) and 12.4.

<sup>4</sup> The information provided by the NYISO, for which the NYISO claims an exemption from FOIA disclosure, is labeled “CUI//PRIV.”

<sup>5</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>6</sup>

### III. Communications and Correspondence

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

Robert E. Fernandez, General Counsel  
Raymond Stalter, Director, Regulatory Affairs  
Gloria Kavanah, Senior Attorney  
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Respectfully submitted,

/s/ Gregory J. Campbell

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Gary Will

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<sup>6</sup> Notice of Document Labeling Guidance for Documents Submitted to or Filed with the Commission or Commission Staff (May 3, 2018).

## CERTIFICATE OF SERVICE

I hereby certify that I have this day served the foregoing document upon each person designated on the official service list compiled by the Secretary in this proceeding in accordance with the requirements of Rule 2010 of the Rules of Practice and Procedure, 18 C.F.R. § 385.2010.

Dated at Rensselaer, NY this 1<sup>st</sup> day of June 2018.

By: /s/ John C. Cutting

John C. Cutting  
New York Independent System Operator, Inc.  
10 Krey Blvd.  
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# Attachment I

## ATTACHMENT I

### **NYISO June 1, 2018 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 Class Year 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 Large Facilities undergo up to three studies: the Optional 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, 2018. 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).

# Exhibit A

**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 Initial-Sync	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	13	1/31/18	FES, SRIS, FS	10/15/13	2017/06	2018/01	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	1/31/18	SIS	2010-2019	N/A	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	1/31/18	SIS	2015-2019	N/A	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	1/31/18	FS		2018/09	N/A	2018/09
339	RG&E	Transmission Reinforcement	8/17/09	N/A	N/A	AC	Monroe, NY	B	Niagara - Kintigh 345kV	RG&E	12	1/31/18	SIS		2019/W	N/A	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	12/31/17	SRIS, FS	10/15/13	2020/08		2021/04
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	1/31/18	FES, SRIS		2021/01	2020/12	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	6/30/17	FES, SRIS		2021/06		2021/06
363	Poseidon Transmission 1, LLC	Poseidon Transmission	4/27/11	500	500	DC	NJ - Suffolk, NY	K	Ruland Rd. 138kV	LIPA	10	1/31/18	FES, SRIS, FS	2/2/2017	2020/07	2020/11	2021/01
367	Orange & Rockland	North Rockland Transformer	9/14/11	N/A	N/A	AC	Rockland, NY	G	Line Y94 345kV	ConEd	6	1/31/18	SIS		2018/06	N/A	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	1/31/18	FES		2020/11	2020/10	2020/12
372	Dry Lots Wind, LLC	Dry Lots Wind	10/31/11	33	33	W	Herkimer, NY	E	Schuyler - Whitesboro 46kV	NM-NG	7	1/31/18	FES, SRIS		2020/11	2020/10	2020/12
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	1/31/18	FES, SRIS		2018/06	N/A	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	1/31/18	FES, SRIS		2019/09	2019/09	2019/12
393	NRG Berrians East Development, LLC	Berrians East Replacement	10/16/12	94.2	57	CT-D	Queens, NY	J	Astoria East Substation 138kV	CONED	9	1/31/18	FES, SRIS		2022/06	2021/11	2022/06
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	12	1/31/18	FES, SRIS, FS	2/2/2017	2018/05		2018/11
396	Baron Winds, LLC	Baron Winds	11/30/12	300	300	W	Steuben, NY	C	Hillside - Meyer 230kV	NYSEG	9	5/31/17	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	1/31/18	SIS		2021/12	N/A	N/A
401	Caitness Long Island II, LLC	Caitness Long Island II	3/22/13	599	632	CC-D	Suffolk, NY	K	Sills Road Substation 138kV	LIPA	8	6/30/17	SRIS		2018/04		2019/05
403	PSEG Power New York	Bethlehem Energy Center Uj	5/28/13	72	51.2	CC-D	Albany, NY	F	Bethlehem Energy Center	NM-NG	12, 14	1/31/18	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	1/31/18	None		2019	N/A	2019
421	EDP Renewables North America	Arkwright Summit	11/1/13	78.4	78.4	W	Chautauqua, NY	A	Dunkirk – Falconer 115 kV	NM-NG	9	3/31/18	SRIS		2017/10		2018/10
422	NextEra Energy Resources, LLC	Eight Point Wind Energy Center	11/7/13	101.2	101.2	W	Steuben-Allegany, NY	C	Bennett 115kV	NYSEG	9	6/30/17	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	1/31/18	SIS		2018/06	N/A	N/A
430	H.Q. Energy Services U.S. Inc.	Cedar Rapids Transmission	3/5/14	N/A	N/A	AC	St. Lawrence, NY	D	Dennison - Alcoa 115kV	NM-NG	9	1/31/18	SIS		2019/Q4	N/A	N/A
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	6	4/30/18	SIS		2018/06	N/A	N/A
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	7/31/17	SRIS		2017/12		2020/01
445	Lighthouse Wind, LLC	Lighthouse Wind	6/30/14	201.3	201.3	W	Niagara, NY	A	AES Somerset Substation 345kV	NYSEG	7	8/31/17	FES, SRIS		2020/08		2020/12
448	Alps Interconnector, LLC	Alps HVDC	8/12/14	600	600	DC	NE-Rensselaer, NY	F	Alps Substation 345kV	NM-NG	7	4/30/18	FES, SRIS		2019/06	N/A	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	10/31/17	SRIS		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	9	6/30/17	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	2/28/18	SRIS, FS	2/2/2017	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	2/28/18	SRIS, FS	2/2/2017	I/S		
465	Hudson Transmission Partners	Hudson Transmission NY to PJM	12/15/14	675	675	DC/AC	New York, NY	J	W49th St 345kV - Bergen 230kV	ConEd	7	1/31/18	SRIS		2021/01	2021/05	2021/05
466	Atlantic Wind, LLC	Bone Run Wind	12/16/14	132	132	W	Cattaraugus, NY	A	Falconer - Homer Hill 115kV	NM-NG	7	1/31/18	FES, SRIS		2021/11	2021/11	2021/12
467	Shoreham Solar Commons LLC	Shoreham Solar	12/22/14	25	25	S	Suffolk, NY	K	Ridge - Wildwood 69kV	LIPA	9	2/28/18	SRIS		2018/06		2018/06
468	Apex Clean Energy LLC	Galoo Island Wind	12/30/14	110.4	110.4	W	Oswego, NY	C	Hammermill - Wine Creek 115kV	NM-NG	9	5/31/17	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	3/31/18	FES		2020/11	2020/11	2020/11
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	10	3/31/18	FES, SIS, FS	3/16/2018	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	5	12/31/17	FES		2018/10		2018/10
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	9	5/31/17	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	7	1/31/18	FES, SRIS		2018/09		2018/12
496	Renovo Energy Center, LLC	Renovo Energy Center	4/13/15	480	504	CC-NG	Chemung, NY - PA	C	Homer City - Watercure 345kV	NYSEG	9	11/30/17	FES, SRIS		2019/09		2020/06
497	Invenegy Wind Development LLC	Bull Run Wind	4/24/15	303.6	303.6	W	Clinton, NY	D	Patnode 230kV	NYPA	7	3/31/18	FES, SRIS		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	1/31/18	SRIS		2018/09	2018/09	2018/12



**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 Initial-Sync	Proposed COD
506	Empire State Connector Corp.	Empire State Connector	6/10/15	1000	1000	DC	Onondaga-New York, NY	C, J	Clay - Gowanus 345kV	NYPANM-NG/ConEd	4	5/31/17	FES		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	12/31/17	SRIS		2018/02		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	10/31/17	SRIS		2018/05		2018/05
512	Northbrook Lyons Falls	Lyons Falls Mill Hydro	9/11/15	2.5	2.5	H	Lewis, NY	E	Taylorville- Boonville 115 kV	NM-NG	9	3/31/18	SIS		2018/03		2018/03
513	Stony Creek Energy LLC	Orangeville	9/21/15	20	20	ES	Wyoming, NY	C	Stony Creek 230kV	NYSEG	10	3/31/18	SIS, FS	1/29/2018	2018/03		2018/03
514	RES Americas Developments Inc.	Orange Wind	10/11/15	120	120	W	Rensselaer, NY	F	Stephentown - Greenbush 115kV	NM-NG	7	3/31/18	FES, SRIS		2019/10	2019/10	2019/10
516	East Coast Power LLC	Linden Cogen Uprate	10/12/15	234.4	234.4	CT-NG	Linden, NJ-NY,NY	J	Linden Cogen 345kV	ConEd	9	5/31/17	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	5	1/31/18	FES		2023/12	N/A	2023/12
519	Canisteo Wind Energy LLC	Canisteo Wind	11/2/15	290.7	290.7	W	Steuben, NY	C	Bennett 115kV	NYSEG	7	3/31/18	FES, SRIS		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	7	3/31/18	FES, SRIS		2019/07		2019/10
521	Invenery NY, LLC	Bull Run II Wind	12/15/15	145.4	145.4	W	Clinton, NY	D	Patnode-Duley, Ryan-Platts 230k	NYPA	5	4/30/18	FES		2018/10		2018/12
522	NYC Energy LLC	NYC Energy	12/16/15	79.9	79.9	CT-NG	New York, NY	J	Hudson Avenue East 138kV	ConEd	5	11/30/17	FES		2019/10		2019/10
523	Dunkirk Power LLC	Dunkirk Unit 2	12/17/15	75	75	ST-NG	Chautauqua, NY	A	Dunkirk 115kV	NM-NG	9	1/31/18	SRIS		2020/01		2020/04
524	Dunkirk Power LLC	Dunkirk Unit 3 & 4	12/17/15	370	370	ST-NG	Chautauqua, NY	A	Dunkirk 230kV	NM-NG	9	1/31/18	SRIS		2020/01		2020/04
526	Atlantic Wind, LLC	North Ridge Wind	12/23/15	100	100	W	St. Lawrence, NY	E	Colton - Malone 115kV	NM-NG	7	1/31/18	FES, SRIS		2020/11	2020/11	2020/12
530	NextEra Energy Transmission New York, Inc.	Empire State Line	1/4/16	N/A	N/A	AC	Niagara-Erie, NY	A	Dysinger - Stolle 345kV	NYPANNYSEG	6	1/31/18	SIS		2020/05	N/A	2020/05
531	Invenery Wind Development LLC	Number 3 Wind Energy	1/11/16	105.8	105.8	W	Lewis, NY	E	Taylorville - Boonville 115kV	NM-NG	7	4/30/18	FES, SRIS		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	1/31/18	None		2018/09	2018/09	2018/12
534	OneEnergy Development, LLC	Great Valley Solar	2/3/16	20	20	S	Washington, NY	F	Battenkill 34.5kV Substation	NM-NG	9	1/31/18	FES, SIS		2020/10	2020/10	2020/10
535	sPower Development Company, LLC	Riverhead Expansion	2/23/16	36	36	S	Suffolk, NY	K	Edwards Substation 138kV	LIPA	5	11/30/17	FES		2020/11		2020/12
537	NextEra Energy Transmission New York, Inc.	Segment A	4/25/16	N/A	N/A	AC	Oneida-Albany NY	E, F	Edic - New Scotland 345kV	NM-NG/NYPA	5	1/31/18	None		2018/11	N/A	2018/11
538	NextEra Energy Transmission New York, Inc.	Segment B	4/25/16	N/A	N/A	AC	Albany-Dutchess, NY	F, G	Greenbush - PV 345kV	NM-NG/NYSEG/CHGE/ConEd	5	1/31/18	None		2018/11	N/A	2018/11
539	NextEra Energy Transmission New York, Inc.	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	1/31/18	None		2018/11	N/A	2018/11
540	AVANGRID	Connect NY Edic - PV	4/28/16	1000	1000	DC	Oneida-Dutchess, NY	E, G	Edic - PV 345kV	NM-NG/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	1/31/18	None		2021/12	N/A	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	1/31/18	None		2021/12	N/A	2021/12
545	Sky High Solar, LLC	Sky High Solar	5/10/16	20	20	S	Onondaga, NY	C	Tilden -Tully Center 115kV	NM-NG	7	3/31/18	FES, SIS		2019/12	2019/11	2019/12
545A	NextEra Energy Transmission New York, Inc.	Empire State Line Alt	5/17/16	N/A	N/A	AC	Niagara-Erie, NY	A	Dysinger - Stolle 345kV	NYPANNYSEG	7	4/30/18	SIS		2020/06	N/A	2020/06
546	Atlantic Wind, LLC	Roaring Brook Wind	5/19/16	78	78	W	Lewis, NY	E	Chases Lake Substation	NM-NG	5	1/31/18	FES		2020/11	2020/11	2020/12
547	North America Transmission, LLC	Dysinger-Stolle	5/25/16	N/A	N/A	AC	Niagara-Erie, NY	A	Dysinger - Stolle 345kV	NYPANNYSEG/NM-NG	6	1/31/18	SIS		2020/06	N/A	2020/06
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	1/31/18	None		2020/01	N/A	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	1/31/18	None		2020/06	N/A	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	1/31/18	None		2020/01	N/A	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/CHGE/ConEd	5	1/31/18	None		2020/01	N/A	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	1/31/18	None		2019/09	N/A	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	4	1/31/18	FES		2020/11	2020/11	2020/12
561	Astoria Generating Co. LP	Astoria Generating Unit 4	7/18/16	385	385	ST-D	New York, NY	J	Astoria West Substation 138 kV	ConEd	7	3/31/18	SRIS		2020/05	2020/05	2020/05
563	Double Lock Solar, LLC	Double Lock Solar	7/25/16	20	20	S	Herkimer, NY	E	St. Johnsville - Marshville 115kV	NM-NG	5	4/30/18	None		2019/12	2019/11	2019/12
564	Rock District Solar, LLC	Rock District Solar	7/25/16	20	20	S	Schoharie, NY	F	Sharon - Cobleskill 69kV	NM-NG	5	1/31/18	None		2019/12	2019/11	2019/12
565	Tayandenga Solar, LLCe	Tayandenga Solar	7/25/16	20	20	S	Herkimer, NY	E	St. Johnsville - Inghams 115kV	NM-NG	5	1/31/18	None		2019/12	2019/11	2019/12
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	6	4/30/18	SIS		2022/12	N/A	2022/12
567	Tribes Hill Solar, LLC	Tribes Hill Solar	8/10/16	20	20	S	Mongomery, NY	F	Ephrata - Florida 69kV	NM-NG	5	4/30/18	None		2019/12	2019/11	2019/12
570	Hecate Energy, LLC	Albany County	8/17/16	20	20	S	Albany, NY	F	Long Lane - Lafarge 115kV	NM-NG	5	10/31/17	None		2019/06		2019/06
571	Heritage Renewables, LLC	Heritage Wind	9/1/16	200.1	200.1	W	Genesee, NY	A	Lockport - Mortimer 115kV	NM-NG	5	4/30/18	FES		2020/09		2020/12
572	Hecate Energy, LLC	Greene County I	9/6/16	20	20	S	Greene, NY	G	Coxsackie - North Catskill 69kV	CHGE	5	10/31/17	None		2019/06		2019/06
573	Hecate Energy, LLC	Greene County II	9/6/16	10	10	S	Greene, NY	G	Coxsackie Substation 13.8kV	CHGE	5	4/30/18	None		2019/06		2019/06
574	Atlantic Wind, LLC	Mad River Wind	9/16/16	450	450	W	Jefferson-Oswego, NY	C	Volney - Marcy 345kV	NM-NG	5	1/31/18	FES		2021/11	2021/11	2021/12
575	Little Pond Solar, LLC	Little Pond Solar	9/16/16	20	20	S	Rockland, NY	G	Mongaup - Shoemaker 69kV	O&R	4	1/31/18	FES		2019/12	2019/11	2019/12
576	Astoria Generating Company	Astoria Generating Unit 4	9/16/16	385	385	ST-D	New York, NY	J	Astoria East Substation 138kV	ConEd	7	3/31/18	SRIS		2020/05	2020/05	2020/05

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577	Greene County Energy Properties, LLC	Greene County Energy	9/20/16	20	20	S	Greene, NY	G	New Baltimore - Coxsackie 69 kV	CHGE	5	12/31/17	None		2018/08		2018/08
579	Bluestone Wind, LLC	Bluestone Wind	9/21/16	124.2	124.2	W	Broome, NY	E	Afton - Stilesville 115kV	NYSEG	5	1/31/18	FES		2020/09	2020/09	2020/12
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	Fairfield - Inghams 115kV	NM-NG	4	4/30/18	FES		2018/06		2018/06
582	Sunny Knoll Solar LLC	Sunny Knoll Solar	10/18/16	20	20	S	Schoharie, NY	F	Cobbleskill - Schoharie 69kV	NM-NG	5	1/31/18	None		2019/12	2019/11	2019/12
584	GCSD NY Solar, LLC	Dog Corners Solar	11/2/16	20	20	S	Cayuga, NY	C	Aurora Substation 34.5kV	NYSEG	5	6/30/17	None		201806		2018/06
585	Caledonia Solar LLC	Caledonia I Solar	11/7/16	20	20	S	Livingston, NY	A	Golah - South Perry 69kV	NM-NG	3	4/30/18	None		2018/09		2018/09
586	GCSD NY Solar, LLC	Watkins Rd Solar	11/8/16	20	20	S	Herkimer, NY	E	Watkins Rd - Ilion 115kV	NM-NG	5	4/30/18	None		201806		2018/06
587	Fork Valley Solar LLC	Fork Valley Solar	11/8/16	20	20	S	Steuben, NY	C	Eelpt Rd 345.5kV Substation	NYSEG	3	4/30/18	None		2018/09		2018/09
589	RES America Developments LLC	North Country Solar	12/2/16	20	20	S	Lewis, NY	E	Boonville 46kV Substation	NM-NG	4	4/30/18	FES		2018/06	2018/06	2018/09
590	RES America Developments LLC	Scipio Solar	12/2/16	20	20	S	Cayuga, NY	C	Scipio 34.5kV Substation	NYSEG	7	4/30/18	SIS		2018/06	2018/06	2018/09
591	RES America Developments LLC	High Top Solar	12/2/16	20	20	S	Wyoming, NY	B	South Perry 34.5kV Substation	NYSEG	7	4/30/18	SIS		2018/06	2018/06	2018/09
592	RES America Developments LLC	Niagara Solar	12/2/16	20	20	S	Wyoming, NY	B	Bennington 34.5kV Substation	NYSEG	7	4/30/18	SIS		2018/06	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	5	12/31/17	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	4	4/30/18	FES		2019/10		2019/12
596	Invenenergy Wind Development LLC	Alle Catt II Wind	1/4/17	381.1	381.1	W	Cattaraugus, NY	A	Stolle Rd - Five Mile Rd 345kV	NM-NG	5	4/30/18	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	5	8/31/17	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	5	7/31/17	None		2018/06		2018/06
600	Conti Enterprises, Inc.	Johnson Solar	1/12/17	20	20	S	Washington, NY	G	Mechanicville - Schaghticoke 34.5kV	NGrid	4	4/30/18	FES		2019/06	2019/07	2019/08
601	HP Hood LLC	Hood Cogen	1/20/17	4	4	CT-NG	Madison, NY	C	Onedia - Fenner 115kV	NGrid	7	3/31/18	FES		2019/03		2019/03
603	Hecate Energy Riverhead, LLC	Riverhead	2/3/17	7.5	7.5	S	Suffolk, NY	K	Wildwood - Riverhead 69kV	LIPA	4	3/31/18	FES		2018/06	2018/07	2018/08
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	5	1/31/18	None		2020/04	N/A	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	5	1/31/18	None		2021/04	N/A	2021/04
610	Woodruff Solar, LLC	Woodruff Solar	2/10/17	20	20	S	Livingston, NY	A	Golah - N. Lakeville 34.5kV	NM-NG	5	4/30/18	None		2019/12	2019/11	2019/12
612	Deepwater Wind South Fork, LLC	South Fork Wind Farm	2/14/17	98	98	W	Suffolk, NY	K	East Hampton 69kV	LIPA	5	3/31/18	None		2022/08		2022/12
613	OneEnergy Development, LLC	Sugar Maple Solar	2/17/17	20	20	S	Herkimer, NY	E	Trenton Falls - Poland 46kV	NM-NG	3	4/30/18	None		2020/10	2020/10	2020/10
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	3	8/31/17	None		2022/01		2022/05
616	RES America Developments Inc.	Mohawk Solar	3/23/17	20	20	S	Herkimer, NY	E	Watkins Rd - Ilion 115kV	NM-NG	5	4/30/18	None		2018/06	2018/06	2018/06
617	North Park Energy, LLC	Watkins Glen Solar	3/27/17	80	80	S	Schuyler, NY	C	Bath - Montour Falls 115kV	NYSEG	5	12/31/17	None		2020/07		2020/12
618	North Park Energy, LLC	High River Solar	3/27/17	100	100	S	Schenectady, NY	F	Stoner - Rotterdam 115kV	NM-NG	5	4/30/18	None		2020/07		2020/12
619	North Park Energy, LLC	East Point Solar	3/27/17	80	80	S	Schoharie, NY	F	Sharon - Marshville 69kV	NM-NG	5	4/30/18	None		2020/07		2020/12
620	North Park Energy, LLC	North Side Solar	3/27/17	180	180	S	St. Lawrence, NY	E	Massena - Moses 230kV	NYPA	4	4/30/18	FES		2020/07		2020/12
621	Blue Stone Solar Energy, LLC	Saugerties Solar	3/27/17	20	20	S	Ulster, NY	G	Saugerties - Woodstock 69kV	CHGE	5	4/30/18	None		2019		2019
624	Franklin Solar, LLC	Franklin Solar	4/11/17	150	150	S	Franklin, NY	D	Malone 115kV Substation	NM-NG	5	12/31/17	None		2020		2020
625	Whitehart Solar, LLC	Whitehart Solar	4/13/17	20	20	S	Sullivan, NY	E	Hyatt Rd.- Border City 115kV	NYSEG	3	1/31/18	None		2020/05	2020/04	2020/05
629	Silver Lake Solar, LLC	Silver Lake Solar	4/27/17	62	62	S	Wyoming, NY	B	South Perry 69kV Substation	NYSEG	3	4/30/18	None		2020		2020
631	Champlain Hudson Power Express, Inc.	NS Power Express	5/2/17	1000	1000	DC	Quebec - NY, NY	J	New Scotland, Astoria Annex 345kV	NM-NG/NYPA	5	4/30/18	None		2021/12		2021/12
632	GridAmerica Holdings Inc.	Alps - Berkshire	5/4/17	N/A	N/A	AC	Rensselaer, NY-NE	F	Alps - Berkshire 345kV	NM-NG	5	1/31/18	None		2021/09	N/A	2021/12
635	Rising Solar, LLC	Rising Solar	6/14/17	20	20	S	Orange, NY	G	Sugarloaf - Wisner 69kV	O&R	2	4/30/18	None		2019		2019
636	Daybreak Solar, LLC	Daybreak Solar	6/15/17	25	25	S	Ulster, NY	G	East Walden Substation 69kV	CHGE	2	4/30/18	None		2020		2020
637	Flint Mine Solar LLC	Flint Mine Solar	6/29/17	100	100	S	Greene, NY	G	Feura Bush - North Catskill 115kV	NM-NG	3	4/30/18	None		2020/11	2020/10	2020/12
638	Empire State Land Holdings, LLC	Pattersonville	7/11/17	20	20	S	Montgomery, NY	F	Rotterdam - Mecco 115kV	NM-NG	4	4/30/18	FES		2019/09		2019/09
641	AVANGRID	Oakdale - Lafayette	7/24/17	N/A	N/A	AC	Broome-Onondaga, NY	C	Oakdale - Lafayette	NM-NG/NYSEG	4	1/31/18	None		N/A	N/A	N/A
642	AVANGRID	Jennison - Edic	7/24/17	N/A	N/A	AC	Chenango - Oneida, NY	E	Jennison - Edic	NM-NG/NYSEG	4	1/31/18	None		N/A	N/A	N/A
643	AVANGRID	Multiple Areas	7/24/17	N/A	N/A	AC	Steuben - Otsego, N'	C, E	Transmission Reinforcements	NM-NG/NYSEG	4	1/31/18	None		N/A	N/A	N/A
644	Hecate Energy Columbia County 1, LLC	Columbia County 1	7/26/17	60	60	S	Columbia, NY	F	Craryville Substation 115kV	NYSEG	3	4/30/18	None		2019/09	2019/10	2019/12
649	CR Fuel Cell, LLC	Clare Rose	8/3/17	13.9	13.9	FC	Suffolk, NY	K	William Floyd Substation 69kV	LIPA	3	12/31/17	None		2020/12		2020/12
650	BRT Fuel Cell, LLC	Brookhaven Rail Terminal	8/3/17	18.5	18.5	FC	Suffolk, NY	K	W. Yaphank - Yaphank 69kV	LIPA	3	4/30/18	None		2019/10		2019/10
651	Yaphank Fuel Cell Park, LLC	Yaphank Solid Waste Managem	8/4/17	7.4	7.4	FC	Suffolk, NY	K	W. Yaphank - North Bellport 69kV	LIPA	3	4/30/18	None		2020/07		2020/07
653	Plattsburgh Solar, LLC	Moffitt Solar	8/7/17	20	20	S	Clinton, NY	D	Northend - Woodruff Pond 46kV	NYSEG	3	4/30/18	None		2019/12		2019/12

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654	Renovo Energy Center LLC	Renovo Energy Center	8/11/17	N/A	N/A	AC	Chemung, NY - PA	C	Homer City - Watercure 345kV	NYSEG	5	1/31/18	None		2020/10	N/A	2020/10
655	Admiral Wind LLC	Admiral Wind	8/11/17	20	20	W	Madison, NY	C	Oneida - Fenner 115kV	NM-NG	3	4/30/18	None		2020/03		2020/03
657	Mistral Wind LLC	Mistral Wind	8/11/17	20	20	W	Genesee, NY	A	Lockport - Batavia 115kV	NM-NG	3	4/30/18	None		2020/03		2020/03
662	EDP Renewables North America LLC	Coldwater Solar	9/7/17	80.0	80.0	S	Chautauqua, NY	A	Dunkirk - Gardenville 115kV	NM-NG	2	4/30/18	None		2022/07	2022/10	2022/10
664	South Cooper Solar LLC	South Cooper Solar	9/14/17	20.0	20.0	S	Hindsdale, NY	A	Five Mile - Gardenville 115 kV	NM-NG	4	1/31/18	None		2019/12	2019/12	2020/01
666	Martin Rd Solar LLC	Martin Solar	9/14/17	20.0	20.0	S	Machias, NY	A	Machias Substation 34.5kV	NM-NG	2	4/30/18	None		2019/12	2019/12	2020/01
667	Bakerstand Solar LLC	Bakerstand Solar	9/14/17	20.0	20.0	S	Cattaraugus, NY	A	Machias - Maplehurst 34.5kV	NM-NG	4	1/31/18	None		2019/12	2019/12	2020/01
668	North Bergen Liberty Generating, LLC	Liberty Generating Alternative	9/15/17	1171	1172	CC-NG	New York, NY	J	West 49th St Substation	ConEd	4	11/30/17	None		2021/05		2021/09
669	GCSD NY Solar, LLC	Clay Solar	9/21/17	20.0	20.0	S	Clay, NY	C	Clay - Lockheed 115kV	NM-NG	2	4/30/18	None		2019/08		2019/08
670	GCSD NY Solar, LLC	Skyline Solar	9/21/17	20.0	20.0	S	Westmoreland, NY	E	Campus Rd - Clinton 46kV	NM-NG	2	4/30/18	None		2019/08		2019/08
671	East Coast Power LLC	Linden Cogen Uprate	9/25/17	32.0	23.0	CT-NG	Linden, NJ-NY,NY	J	Linden Cogen 345kV	ConEd	5	4/30/18	None		2018/01		2018/01
672	LS Power Development, LLC	Helix Ravenswood I	10/6/17	30.2	30.2	CT-NG	New York, NY	J	Rainey Substation 345kV	ConEd	2	1/31/18	None		2022/07		2023/01
673	LS Power Development, LLC	Helix Ravenswood II	10/6/17	72.4	72.4	CT-NG	New York, NY	J	Rainey Substation 345kV	ConEd	2	1/31/18	None		2022/07		2023/01
674	Helix Ravenswood, LLC	Vernon Battery Storage I	10/24/17	10	10	ES	Queens, NY	J	Vernon Substation	ConEd	4	1/31/18	None		2020/05	2020/04	2020/05
675	Helix Ravenswood, LLC	Vernon Battery Storage II	10/24/17	10	10	ES	Queens, NY	J	Vernon Substation	ConEd	4	1/31/18	None		2020/05	2020/04	2020/05
678	LI Solar Generation, LLC	Calverton Solar Energy Center	10/26/17	22.9	22.9	S	Suffolk, NY	K	Edwards Substation 138kV	LIPA	4	3/31/18	None		2020/12		2020/12
679	Anbaric Development Partners	New York City Offshore Wind	11/7/17	1200	1200	W	Kings, NY	J	Farragut 345kV	ConEd	2	4/30/18	None		2025/07	2025/11	2025/12
680	Anbaric Development Partners	Long Island Offshore Wind	11/7/17	700	700	W	Melville, NY	K	Ruland Rd. 138kV	LIPA	4	4/30/18	None		2025/07	2025/11	2025/12
682	Granada Solar, LLC	Grissom Solar	1/17/18	20	20	S	Johnstown, NY	F	Ephratah - Florida 115kV	NM-NG	2	4/30/18	None		2019/03	2019/03	2019/04
683	KCE NY 2, LLC	KCE NY 2	1/18/18	200	200	ES	Montgomery, NY	F	Coldenham Substation 115kV	CHGE	4	4/30/18	None		2019/12	2019/11	2019/12
684	ITC Lake Erie Connector, LLC	Lake Erie Connector	1/18/18	N/A	N/A	AC	Chautauqua, NY	A	S. Ripley 230kV	NM-NG	7	2/28/18	None		2024/10	N/A	
686	Invenergy Solar Development North America LLC	Bull Run Solar Energy Center	1/26/18	170	170	S	Clinton, NY	D	Patnode - Duley 230kV	NYPA	4	4/30/18	None		2020/10	2020/10	2020/12
687	sPower Development Company, LLC	EPCAL 2	1/29/18	150	150	S	Suffolk, NY	K		LIPA	2	4/30/18	None		2021/11	2021/11	2021/12
693	Renovo Energy Center, LLC	Renovo Energy Center Uprate	2/13/18	515	548	CC-NG	Chemung, NY - PA	C	Homer City - Mainseburg 345kV	NYSEG	4	3/31/18	None		2020/10	2020/11	2021/04
694	Sunset Hill Solar, LLC	Sunset Hill Solar	2/16/18	20	20	S	Albany, NY	F	New Baltimore - Westerlo NW 69	CHGE	2	4/30/18	None		2020/08	2020/07	2020/08
696	Eagle Creek Hydro Power, LLC	Swinging Bridge Unit 3	3/21/18	9	9	H	Orange, NY	G	Swing Bridge 69 kV	ORU	2	4/30/18	None		2019/02	2019/02	2019/03
697	Helix Ravenswood, LLC	Ravenswood Energy Storage 1	3/9/18	N/A	N/A	ES	Queens, NY	J	Rainey Substation 345kV	ConEd	2	4/30/18	None		2021/01	2020/10	2021/03
698	Helix Ravenswood, LLC	Ravenswood Energy Storage 2	3/9/18	N/A	N/A	ES	Queens, NY	J	Rainey Substation 345kV	ConEd	2	4/30/18	None		2021/01	2020/10	2021/03
699	Helix Ravenswood, LLC	Ravenswood Gas	3/9/18	238.5	243.8	CT-NG	Queens, NY	J	Rainey Substation 345kV	ConEd	2	4/30/18	None		2022/03	2022/01	2022/06
700	Able Grid Energy Solutions, LLC	Robinson Grid	3/13/18	300	300	ES	Kings, NY	J	Gowanus Substation 345kV	ConEd	2	4/30/18	None		2020/10	2020/11	2020/12
701	KCE NY 1, LLC	KCE NY 1	3/15/18	20	20	ES	Saratoga, NY	F	Luther - Forest Substation 34.5kV	NYSEG	10	4/30/18	None		2018/09	2018/09	2018/09

Number of new projects during April	2
Number of new projects year to date	26
Number withdrawn during April	1
Number withdrawn year to date	25

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=FES 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 Commercial Operation Dates (COD) are shown in format Year/Qualifier, where Qualifier may indicate the month, season, or quarter.

DPS/State - SIR Interconnection Queue (for Projects not subject to the NYISO process):  
<http://www3.dps.ny.gov/W/PSCWeb.nsf/All/286D2C179E9A5A8385257FBF003F1F7E?OpenDocument>

# Exhibit B

## 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

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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

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

**Semi-Annual Compliance Report on Demand Response Programs  
June 1, 2018**

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 2018. 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 2017 Capability Period were reported in the NYISO's 2017 Annual Report on Demand Response Programs submitted on January 12, 2018 ("January 2018 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. 12, 2018 Annual Report on Demand Response Programs, Docket No. ER01-3001-000.

<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:<sup>4</sup>

- 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>5</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>6</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.

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

<b>Provider Type</b>	<b>Number as of May 2018</b>
Aggregator	14
Competitive LSE*	13
TO LSE	1
<b>Total</b>	<b>28</b>

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

Since the NYISO’s 2017 Semi-Annual Demand Response Report (“June 2017 Report”),<sup>7</sup> the number of curtailment service providers participating in the NYISO’s demand response programs has increased 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

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<sup>4</sup> In previous reports, the NYISO identified four categories of curtailment service providers. In addition to the three categories described in this report, the NYISO identified an additional organizational category called “Direct Customer” for entities that registered as a Market Participant with the NYISO to participate on their own behalf in any of the NYISO’s demand response programs. The NYISO is able to distinguish between the categories of curtailment service provider based on provider name and certain data provided by the Market Participant. The NYISO does not require Market Participants to identify the category of provider in which they fit. Over the last few reporting cycles, it has become increasingly difficult to identify Direct Customers based on the information provided to the NYISO and to provide the Commission with an accurate accounting of such providers. To maintain better consistency of reporting and accuracy, the NYISO has removed the “Direct Customer” organizational category, and merged those providers into the Aggregator or Competitive LSE category as appropriate.

<sup>5</sup> See Services Tariff Section 2.12.

<sup>6</sup> See Services Tariff Section 2.20.

<sup>7</sup> New York Indep. Sys. Operator, Inc. June 1, 2017 Semi-Annual Reports on Demand Response Programs and New Generation Projects, Docket No. ER03-647, *et al.*

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load reduction. In addition, changes in the number of resources and enrolled MW since the June 2017 Report are shown by Load Zone.

Table 2 shows EDRP Enrollment and ICAP Unsold. Of the 41 end-use locations, 35 participated in the EDRP program and 6 were ICAP/SCRs with unsold capacity.<sup>8</sup> Enrolled EDRP MW and ICAP Unsold decreased 99.2% and end-use locations decreased 55.4% since the June 2017 Report. The largest decrease in enrolled MW occurred in Load Zone A (West) and the largest decrease in end-use locations occurred in Zone C (Central).

**Table 2: EDRP Enrollment and ICAP Unsold (as of May 2018)**

EDRP and ICAP Unsold						
Zone	No. of End-Use Locations	MW of Load Reduction	MW of Local Generators	Total MW	Change in No. of End-Use Locations from May 2017	Change in Total MW from May 2017
A	*	0.0	0.0	0.0	*	-41.6
B	*	0.0	0.0	0.0	*	-0.4
C	*	0.0	0.0	0.0	*	-11.1
D	*	0.0	0.0	0.0	*	-3.4
E	*	0.1	0.0	0.1	*	-5.3
F	*	0.0	0.0	0.0	*	-7.0
G	*	0.0	0.0	0.0	*	0.0
H	*	0.0	0.0	0.0	*	-1.6
I	8	0.2	0.0	0.2	*	0.1
J	30	0.3	0.0	0.3	-2	0.1
K	*	0.0	0.0	0.0	*	0.0
<b>Total</b>	<b>41</b>	<b>0.6</b>	<b>0.0</b>	<b>0.6</b>	<b>-51</b>	<b>-70.3</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 2018 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 increased 11.5% compared with the same period reported in the June 2017 Report and the number of end-use locations increased 0.9%.

<sup>8</sup> ICAP/SCRs with unsold capacity are those resources that did not sell their full available capacity.

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**Table 3: ICAP/SCR Sold (as of May 2018)**

ICAP Sold						
Zone	No. of End-Use Locations	MW of Load Reduction	MW of Local Generators	Total MW	Change in No. of End-Use Locations from May 2017	Change in Total MW from May 2017
A	235	273.9	0.6	274.6	-19	14.0
B	184	49.5	5.0	54.5	-12	-2.2
C	238	113.5	1.7	115.2	13	-10.0
D	21	58.1	0.2	58.2	-2	0.9
E	111	38.4	2.3	40.7	-6	6.6
F	176	80.8	21.8	102.6	6	2.4
G	154	43.1	17.5	60.6	11	11.4
H	27	7.4	2.2	9.6	4	2.3
I	110	17.3	15.9	33.2	14	14.7
J	1926	399.3	80.9	480.3	45	91.8
K	299	37.5	9.3	46.8	-24	-0.5
<b>Total</b>	<b>3481</b>	<b>1118.9</b>	<b>157.4</b>	<b>1276.3</b>	<b>30</b>	<b>131.4</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).

During the analysis period of November 2017 through April 2018, there were three Demand Side Resources actively participating in the DSASP as providers of Operating Reserves. The resources represented 116.5 MW of capability and had an average performance of 107.2% 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 2018 Demand Response Initiatives**

This section provides an update on the projects that the NYISO has planned for its demand response programs for 2018.

**NYISO's Implementation of tariff amendments in compliance with Order No. 745**

On March 31, 2017, the NYISO submitted a compliance filing containing a complete copy of its tariff amendments in compliance with Order No. 745 for the DADRP. On May 12, 2017, FERC accepted NYISO's compliance filing. The NYISO expects to implement these tariff provisions no later than October 31, 2018.<sup>9</sup> The NYISO continues to finalize its implementation

<sup>9</sup> New York Indep. Sys. Operator, Inc. Mar. 31, 2017 Compliance Filing, Docket No. ER11-4338-001.

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of the three major tariff enhancements in compliance with Order No. 745: 1) the Net Benefits Test and DADRP offer floor, 2) the Economic Customer Baseline Load (“ECBL”) for DADRP measurement and verification, and 3) the allocation of costs of DADRP to transmission customers.

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 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>10</sup> In 2017 the NYISO published a DER Roadmap<sup>11</sup> describing NYISO’s vision for integrating these resources into the wholesale markets and proposed a market design concept to its stakeholders.<sup>12</sup> The NYISO is continuing to work with its stakeholders through its shared governance process to develop a detailed market design and expects to draft the tariff enhancements to facilitate dispatchable DER integration in 2018.

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<sup>10</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.

<sup>11</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/DER\\_Roadmap/Distributed\\_Energy\\_Resources\\_Roadmap.pdf](http://www.nyiso.com/public/webdocs/markets_operations/market_data/demand_response/DER_Roadmap/Distributed_Energy_Resources_Roadmap.pdf).

<sup>12</sup> New York Indep. Sys. Operator, Inc., *Distributed Resources Market Design Concept Proposal* (Dec. 2017), [http://www.nyiso.com/public/webdocs/markets\\_operations/committees/bic\\_miwg/meeting\\_materials/2017-12-19/Distributed%20Energy%20Resources%202017%20Market%20Design%20Concept%20Proposal.pdf](http://www.nyiso.com/public/webdocs/markets_operations/committees/bic_miwg/meeting_materials/2017-12-19/Distributed%20Energy%20Resources%202017%20Market%20Design%20Concept%20Proposal.pdf).