
NYISO Business Issues Committee Meeting Minutes
August 12, 2020
10:00 a.m. – 11:45 a.m.

1. Introductions, Meeting Objectives, and Chairman's Report

Mr. Chris Wentlent (MEUA) called the meeting to order at 10:00 a.m. The members of the BIC identified themselves and attendance was recorded. A quorum was determined.

2. Market Operations Report

Mr. Rana Mukerji (NYISO) reviewed the Market Operations report included with the meeting material. There were no questions or comments.

3. Coordination of Energy and Ancillary Services Projects

Mr. Mike DeSocio (NYISO) reviewed the presentation included with the meeting material.

Mr. Matt Cinadr (E Cubed) asked whether the initiatives seeking to improve market pricing signals through ancillary services enhancements include any proposed changes to the Special Case Resource (SCR) program. Mr. DeSocio noted that the ongoing efforts related to ancillary services enhancements do not include any proposed changes to the SCR program.

Ms. Erin Hogan (UIU) asked for clarification regarding the relationship between the proposal to increase Southeastern New York (SENY) 30-minute reserves and the proposal to implement reserve requirements for certain load pockets within New York City. Mr. DeSocio noted that discretely modeling the various reserve requirements needed to reliably operate the system allows the market software to determine the optimal set of resource schedules to satisfy such requirements.

Ms. Hogan stated that given the interrelated nature of the various initiatives it is important to provide information to help understand the cumulative consumer impact of such initiatives. Mr. DeSocio acknowledged the importance of providing information regarding the potential consumer impacts of the various ongoing initiatives, noting that, ultimately, the initiatives are intended to help provide the necessary market pricing signals to inform the ongoing transition of the grid in a way that helps ensure that resource capability and services exist where needed to maintain system reliability.

Dr. Tom Paynter (NYDPS) stated that short-run analyses of potential consumer impacts often tend to overstate the expected impacts over the longer term because short-run analyses do not adequately capture the market response to market rule changes, which serves to reduce the magnitude of the impacts over a longer time horizon.

Mr. Liam Baker (Eastern Gen) requested confirmation that the NYISO is proposing to temporarily suspend efforts on the proposal to implement reserve requirements for certain load pockets in New York City to allow the potential for improving the overall efficiency of that proposal through potentially using a more dynamic approach to reserve procurement. Mr. DeSocio confirmed that the NYISO has recognized the potential to leverage additional enhancements to the proposal for implementing reserve requirements for certain load pockets in New York City through utilizing a more dynamic approach to reserve procurement.

Mr. Cadwalader (Atlantic Economics) asked whether the NYISO is seeking to accelerate the timeline for being able to develop the capability to implement more dynamic reserve requirements. Mr. DeSocio noted that the NYISO is continuing to assess opportunities to potentially accelerate the timeframe for being able to implement more dynamic reserve procurement capability. Mr. DeSocio stated that the ultimate implementation timeframe will largely depend on the study efforts next year to examine various options and the feasibility thereof.

Mr. Mark Younger (Hudson Energy Economics), Ms. Doreen Saia (Greenberg Traurig), and Mr. Wentlent noted appreciation for the NYISO's efforts in providing an overview of the various ongoing energy and ancillary services enhancement initiatives.

4. Reserves for Resource Flexibility

Mr. Ethan Avallone (NYISO) reviewed the presentation included with the meeting material.

Ms. Hogan and Ms. Amanda Trinsey (Couch White) noted appreciation for the supplemental information provided by the NYISO in response to stakeholder requests regarding the potential consumer impacts related to the proposal.

Motion #1:

The Business Issues Committee ("BIC") hereby recommends that the Management Committee approve changes to the NYISO's Market Administration and Control Area Services Tariff related to the "Reserves for Resource Flexibility" proposal, as more fully described in the presentation titled "Reserves for Resource Flexibility" made to the BIC on August 12, 2020.

Motion passed unanimously.

5. Manual Revisions for Energy Storage Resources

Mr. Padam Singh (NYISO) reviewed the presentation included with the meeting material.

Ms. Saia asked whether the NYISO could provide additional information regarding the expected effective date for the tariff revisions related to the implementation of the energy storage resource model. Mr. DeSocio stated that the NYISO currently expects to submit the required notice to FERC on or before August 14, 2020 to establish an effective date for the tariff revisions related to the implementation of the energy storage resource model.

Motion #2:

The Business Issues Committee ("BIC") hereby approves revisions to the Ancillary Services, Day-Ahead Scheduling, and Transmission and Dispatch Operations Manuals regarding Energy Storage Resources as described in the presentation made to the BIC on August 12, 2020. The revisions will become effective on the effective date of the tariff revisions accepted by the Federal Energy Regulatory Commission in Docket No. ER19-467-000, et al.

Motion passed unanimously with abstentions.

6. Working Group Updates

- Billing and Accounting and Credit Working Group: The group met on July 20, 2020 and reviewed the standard accounting/settlement reports, updates to the Decision Support System (DSS) related to settlements for energy storage resources, and proposed enhancements to the credit security requirements for the Transmission Congestion Contracts (TCC) market.
- Electric System Planning Working Group: The group has met twice since the last BIC meeting. On July 23, 2020, the group met and reviewed a presentation by Analysis Group providing an update regarding assumptions and various scenarios for the Phase II analysis being conducted as part of the ongoing climate change impact and resilience study project, key study assumptions for the short-term assessment of reliability study for Q3 2020, an update regarding the status of the 2020 Reliability Needs Assessment (RNA) including initial results for scenarios being conducted as part of the study, and an overview of the NYISO's proposal to file a request for a declaratory order with FERC to address certain aspects of the treatment of local upgrades as part of the NYISO's transmission planning processes. The group also met on August 7, 2020 and reviewed a presentation by LS Power regarding the treatment of local upgrades as part of the NYISO's transmission planning processes, and the procedures for developing an hourly forecast of production by behind-the-meter solar resources in New York for the 2020 RNA.
- Installed Capacity Working Group: The group has met jointly with MIWG and PRLWG three times since the last BIC meeting. On July 22, 2020, the group met and reviewed a presentation by Analysis Group regarding feedback received in response to its draft report and preliminary results for the ongoing 2019-2020 ICAP Demand Curve reset process, and interconnection and capacity market considerations for developing a hybrid storage resource

model. The group met on July 28, 2020 and reviewed reliability considerations and potential enhancements in response to the ongoing transformation of the electric system. The group also met on August 10, 2020 and reviewed a presentation by Analysis Group regarding its interim final report for the ongoing 2019-2020 ICAP Demand Curve reset process, an overview of the NYISO staff's draft recommendations related to the ongoing 2019-2020 ICAP Demand Curve reset process, capacity market considerations for developing a hybrid storage resource model, and the proposed methodology for conducting the consumer impact analysis related to the proposal to develop a hybrid storage resource model.

- Load Forecasting Task Force: The group met on July 31, 2020 and reviewed impacts on load patterns and energy consumption related to the ongoing COVID-19 pandemic including a presentation by PSEG Long Island on the impacts being experienced on Long Island.
- Market Issues Working Group: The group has met jointly with ICAPWG and/or PRLWG four times since the last BIC meeting. The group met on July 22, 2020 and reviewed interconnection and energy market considerations for developing a hybrid storage resource model. On July 28, 2020, the group met and reviewed proposed revisions to various manuals (Transmission and Dispatch Operations Manual, Day-Ahead Scheduling Manual, and Ancillary Services Manual) related to energy storage resources participating in the wholesale markets, and reliability considerations and potential enhancements in response to the ongoing transformation of the electric system. The group met on August 6, 2020 and reviewed proposed revisions to various manuals (Transmission and Dispatch Operations Manual, Day-Ahead Scheduling Manual, and Ancillary Services Manual) related to energy storage resources participating in the wholesale markets. On August 10, 2020, the group met and reviewed proposed enhancements to the current reserve shortage pricing values and reserve demand curves, energy and ancillary service market considerations for developing a hybrid storage resource model, the proposed methodology for conducting the consumer impact analysis related to the proposal to develop a hybrid storage resource model, and supplemental information regarding the consumer impact analysis related to the proposal to increase the current 30-minute reserve requirement for the Southeastern New York (SENY) reserve region.
- Price Responsive Load Working Group: The group met jointly with ICAPWG and/or MIWG four times since the last BIC meeting (i.e., July 22, 2020, July 28, 2020, August 6, 2020, and August 10, 2020). At each meeting, the group reviewed the agenda topics related to distributed energy resources, energy storage resources and/or the NYISO-administered demand response programs.

7. New Business

There was no new business.

Meeting adjourned at 11:45 a.m.

Business Issues Committee Meeting

August 12, 2020

Final Motions

Motion #1:

The Business Issues Committee (“BIC”) hereby recommends that the Management Committee approve changes to the NYISO’s Market Administration and Control Area Services Tariff related to the “Reserves for Resource Flexibility” proposal, as more fully described in the presentation titled “Reserves for Resource Flexibility” made to the BIC on August 12, 2020.

Motion passed unanimously.

Motion #2:

The Business Issues Committee (“BIC”) hereby approves revisions to the Ancillary Services, Day-Ahead Scheduling, and Transmission and Dispatch Operations Manuals regarding Energy Storage Resources as described in the presentation made to the BIC on August 12, 2020. The revisions will become effective on the effective date of the tariff revisions accepted by the Federal Energy Regulatory Commission in Docket No. ER19-467-000, et al.

Motion passed unanimously with abstentions.

New York Independent System Operator - Committee Membership

Business Issues Committee - August 12, 2020 - WebEx - Parties Checked in Attendance

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
Astoria Energy LLC	Generation Owners	McCall, Chuck	Browne , Scott	Habib , Phillipe	Singer, Leonard						
Bayonne Energy Center, LLC	Generation Owners	Allman , Ellen	✓Fromer , Howard								
Borrego Solar Systems, Inc.	Generation Owners	Delaney , Liz	Conway , Michael	Cox-Arslan , Kathryn	Brigandi , Michael						
CPV Valley LLC	Generation Owners	Litchfield , Matt	Rumsey , Tom	Pierpont , Daniel							
Calpine	Generation Owners	Kruse, Brett	Reitmeyer , Jay	Flumerfelt, John	Schleimer , Steve	✓Schwall , Matthew					
Covanta Niagara, LP	Generation Owners	Burke , David	Abbott , Sharon								
Cricket Valley Energy Center	Generation Owners	Davis , Charles	Wallenstein , Arnold	Paryl , Ron							
Cypress Creek Renewables	Generation Owners	Kemp , Melissa	Eskew , Ollivia								
Danskammer Energy, LLC	Generation Owners	Reid , William	Cada , Eric								
EDP Renewables North America LLC	Generation Owners	Brodbeck , John	Loturco , Thomas	High , Jeremy	Priemer , Dustin						
East Coast Power, LLC	Generation Owners	Shanker, Roy	Fogarty , Thomas	McEachern , Ben	Franzetti , Paul						
Empire Generating Co, LLC	Generation Owners	Morris , Chandler	Maida , Jeff	Hudson , Daniel							
Entergy Nuclear Northeast	Generation Owners	Dell Orto , Ken	✓Saia, Doreen	Bergeron , John							
GlidePath Power Solutions LLC	Generation Owners	McKissack , Chris	Baur , Sean	Vickery , Chris	Labij , Denis	Braun , Gary					
Helix Ravenswood LLC	Generation Owners	D'Andrea , James	Kline , Marc	DiBari , Dominic							
Howard Wind LLC	Generation Owners	Smith , David	Brocks , Annette	Rohrbach , John							
Indeck Energy Services, Inc.	Generation Owners	Ferguson, Mike	✓Younger, Mark								
Innovative Energy Systems	Generation Owners	Zeliff, Peter	Henningham, Scott								
Invenergy Energy Management LLC	Generation Owners	Bangston , Kaley	Goldstein , Michael	Orzel , Chris							
Key Capture Energy	Generation Owners	Galarneau , Kenneth	Goldwasser , Rachel	Fitzgerald , Dan							
National Grid Generation LLC	Generation Owners	Kain , Terrence	McCabe , Brian								
North East Offshore, LLC	Generation Owners	Reynolds , Melissa									
Selkirk Cogen Partners, LP	Generation Owners	Biittig, Timothy									
Somerset Operating Company, LLC	Generation Owners	Gregson , Brian	Goodenough , Jeery	Love , Jordan							
BJ Energy LLC	Other Suppliers	Ni, Bing	Lee, George								
BP Energy Company	Other Suppliers	Ellis , Dean	Chintapalli , Raj	Ackerman, Alan							
Brookfield Energy Marketing L.P.	Other Suppliers	✓LaRoe , Chris	Talamo , Marco	Dziedzic , Tomasz	Madonna , Phil						
COI Energy Services, Inc.	Other Suppliers	Berrien , SaLisa	✓Breidenbaugh , Aaron								
Castleton Commodities Merchant Trading L.P.	Other Suppliers	Stuss , Gordon	Romine , Brad	Emmett , Robert							
Citigroup Energy Inc.	Other Suppliers	Gollomp , Jeffrey	Bisaria , Shikher								
Consolidated Edison Energy, Inc.	Other Suppliers	✓Mah, Norman	Dannels , Jeff								
Constellation New Energy	Other Suppliers	Barlette , Richard	Kirk , Steven								
Cross Sound Cable Company, LLC	Other Suppliers	Reinhart, Brian	Rotger, Jose								
DC Energy	Other Suppliers	✓Bleiweis, Bruce	Stevens, Andrew	Tate, Matthew	Milberg, Sadao	Jeev , Kumar					
DTE Energy	Other Suppliers	German , Robert	Pakela, Gregory								
Direct Energy Business Marketing, LLC	Other Suppliers	✓Newton , Jonathan	Carrier , Ron	Morris , Sandra							
Dynergy Marketing and Trade	Other Suppliers	Weinstein , Andrew	Allen , Sean								
ENEL X	Other Suppliers	Geller , Greg	Chibani , Yanis								
ENGIE Energy Marketing NA, Inc.	Other Suppliers	Levine , Jeffrey	Hawkins , Darin	Campbell , Chad							
Eastern Generation	Other Suppliers	✓Baker, Liam	Reese, John	✓Younger, Mark	✓Schwall , Matthew	Johnson , David	Wolcott , Tyler				
Energy Spectrum	Other Suppliers	David, Gary	Ahrens, David	Neiburg, David	Iskowitz, Aron	Brown, Ruben	Pentland , William	Villegas , Cristina	✓Cinadr , Matt		
Energy Technology Savings Inc. d/b/a Logical Buildings	Other Suppliers	Hendler , Jeff	Ross , Valerie								
Exelon Generating Co. LLC	Other Suppliers	Barlette , Richard	Kirk , Steven								
Galt Power	Other Suppliers	Fernands , Rochelle	Ackerman, Alan								
HQ Energy Services US	Other Suppliers	✓Plante , Matthieu	✓Leuthauser, Scott	Guilbault , Louis	Bélanger , Frédéric						
Innoventive Power	Other Suppliers	Gruber , Craig	Halford , Steve								
Mercuria Energy America, Inc.	Other Suppliers	Davis , Andrew	✓Younger, Mark	Frye , Samuel							
Morgan Stanley Capital Group, Inc.	Other Suppliers	Kochonies, Karen	Meditz , Alex	Grimes , Jordan							
NRG Power Marketing Inc.	Other Suppliers	Fitch , Neal	Hsia , Jennifer	Cona , Lisa	Kranz , Bradley						
New York Transco	Other Suppliers	Mullin , Victor	Caso , Rob	Carrigan , Kathleen	Camp , Adam						
NextEra Energy	Other Suppliers	Applebaum, David	✓Talbot , Soria	Gibelli , Stephen							
Ontario Power Generation, Inc.	Other Suppliers	Lauritsen , Kim									
PSEG Energy Resource & Trade, LLC	Other Suppliers	Gordon , Joel	DePillo , Raymond	Cimino , David	Dillon , George						
Riverbay Corporation	Other Suppliers	Merola , Peter	Ellison , Noel								
SESCO Enterprises, LLC	Other Suppliers	Schubiger, Michael	Thoresen, James								
Shell Energy North America, LLC	Other Suppliers	Picardi, Matt									
Stephentown Spindle, LLC	Other Suppliers	Streeter , Christopher									
Talen Energy	Other Suppliers	✓Toomey , Megan	Hohenshilt , Jennifer	Labella , Julie	Raggio , Debra						

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Viridity Energy, Inc.	Other Suppliers	Freifeld , Allen									
Vitol Inc.	Other Suppliers	Wadsworth , Joe	Viola , Bob	Kahn , Casey							
XO Energy NY, LP	Other Suppliers	Drangula , Carey	Thompson , Matthew	Hughes , Adam							
Central Hudson Gas & Electric Corp.	Transmission Owners	May , Jeff	✓Chan, Ting	Jolly , James	Delmar , Valerie						
Consolidated Edison Co. of NY, Inc.	Transmission Owners	Quin , Jane	✓Hargett , Chris	Yu , Joel	Lazarus , Dana	Butterklee, Neil	LoFrumento , Susan				
National Grid	Transmission Owners	✓Janzen , Margaret	Lodemore , David	Wilkie , Brian							
New York State Electric & Gas (NYSEG)	Transmission Owners	✓Caletka, Patricia	Lynch , Tim	✓Brophy , Richard							
Orange & Rockland Utilities, Inc.	Transmission Owners										
Rochester Gas and Electric Corp.	Transmission Owners	✓Caletka, Patricia	Lynch , Tim	✓Brophy , Richard							
Alcoa, Inc.	Large Consumer	Mager, Michael	Loughney, Robert	✓Trinsey , Amanda	Lang, Kevin						
IBM Corporation	Large Consumer	Mager, Michael	Loughney, Robert	✓Trinsey , Amanda	Lang, Kevin						
Nucor Steel Auburn, Inc.	Large Consumer	✓Brew , James	Mackaronis , Chris	Baker , Laura							
Occidental Chemical Corp.	Large Consumer	Mager, Michael	Loughney, Robert	✓Trinsey , Amanda	Lang, Kevin						
Wegmans Food Markets	Large Consumer	Mager, Michael	Loughney, Robert	✓Trinsey , Amanda	Lang, Kevin						
Metropolitan Transportation Authority	Large Consumer Government Agency	Keller , David	Chou , Frances								
Association for Energy Affordability	Small Consumer	Strauss , Valerie	Hepinstall, David	✓Casey , Christopher							
Beth Israel Health Care System	Small Consumer	Luthin, Catherine	Ewart , Sean	Lang, Kevin	Mager, Michael	✓Trinsey , Amanda					
Fordham University	Small Consumer	Luthin, Catherine	Ewart , Sean	Lang, Kevin	Mager, Michael	✓Trinsey , Amanda					
Memorial Sloan Kettering Cancer Center	Small Consumer	Luthin, Catherine	Ewart , Sean	Lang, Kevin	Mager, Michael	✓Trinsey , Amanda					
Mount Sinai Medical Center	Small Consumer	Luthin, Catherine	Ewart , Sean	Lang, Kevin	Mager, Michael	✓Trinsey , Amanda					
New York University	Small Consumer	Luthin, Catherine	Ewart , Sean	Lang, Kevin	Mager, Michael	✓Trinsey , Amanda					
Utility Intervention Unit, Division of Consumer Protection, NY Dept. of State	Government Statewide Consumer Advocate	✓Hogan , Erin	Montalvo , Marc	O'Hare , Katie							
City of New York	Government Small Consumer and Retail Aggregate	Lang, Kevin	Mager, Michael	✓Trinsey , Amanda							
NYS Energy Research & Dev. Authority	Government Small Consumer and Retail Aggregate	✓Hall , Christopher	Matteson , Schuyler	Zielinski , Andrew	Mas , Carl	Coup, David					
Long Island Power Authority	State Power Authorities	Clarke, Dave	✓Wilczek , Mariann								
New York Power Authority	State Power Authorities	Antinori , Andrew	Michaels , Alan	✓Cordi , John	✓Kane , James	✓Mahoney , Daniel					
Bath Electric, Gas & Water Systems	Municipalities and Coops	Bonacci , Erin	✓Wentlent, Chris	Cordeiro, Mark							
Freeport Electric	Municipalities and Coops	Livingston , Al	✓Rudebusch, Tom	Fiore , Chris							
Jamestown Board of Public Utilities	Municipalities and Coops	Sellstrom , Kris	Leathers, David	Allen , Cory	✓Rudebusch, Tom						
Lake Placid Village	Municipalities and Coops	Daby , Kimball	✓Wentlent, Chris	Cordeiro, Mark							
Municipal Commission of Boonville	Municipalities and Coops	Varner , Doug	✓Wentlent, Chris	Cordeiro, Mark							
Plattsburgh Municipal Lighting Dept	Municipalities and Coops	Treacy, William	✓Wentlent, Chris	Cordeiro, Mark							
Village of Arcade	Municipalities and Coops	Kilburn, Larry	✓Wentlent, Chris	Cordeiro, Mark							
Village of Fairport	Municipalities and Coops	Hegarty , Matt	✓Wentlent, Chris	Cordeiro, Mark							
Village of Rockville Centre	Municipalities and Coops	Andreas , Philip	Valenzano , Michael	✓Rudebusch, Tom							
Village of Solvay	Municipalities and Coops	Hawksby , Joe	✓Wentlent, Chris	Cordeiro, Mark							
Village of Westfield	Municipalities and Coops	Thompson , Andrew	✓Wentlent, Chris	Cordeiro, Mark							
American Wind Energy Association	Environmental	Reynolds , Anne	Reeder , Mark	Fink , Sari	Tabak , Gabe	Grace , Gene					
Environmental Advocates	Environmental	Bambrick , Conor	Morris, Jackson								
Environmental Defense Fund	Environmental	Peress J., Naim	Stein , Elizabeth	Karas , Natalie	Murphy , Erin						
Natural Resources Defense Council	Environmental	✓Casey , Christopher	Howe , Cullen	Morris, Jackson	De Costanzo , Donna						
New York City Environmental Justice Alliance	Environmental	Garcia , Carlos	Bautista , Eddie								
PACE Energy & Climate Center	Environmental	Hart , Craig	Valova , Radina	Howe , Cullen							
Riverkeeper	Environmental	Webster , Richard	Morris, Jackson								
AES ES Holdings LLC	Non Voting	Hillman , Sharon	Kumaraswamy , Kiran								
Able Grid Energy Solutions, Inc.	Non Voting	Lines , Sam	Mills , Sara								
Acadia Center	Non Voting	Donovan , Deborah									
Alliance for Clean Energy New York	Non Voting	Reynolds , Anne	Dufresne , Zach	Reeder , Mark							
Anbaric Development Partners, LLC	Non Voting	Kosel , Howard	Sanderson , Bryan	Knobloch , Kevin	Bruno , Clarke						
Appian Way Energy Partners East, LLC	Non Voting	Levy , Tal	Klein , Abram	Shen , Dong	Westlund , John	Laich , Marcus					
Ardor Energy LLC	Non Voting	Breen , Erika									
Avangrid Renewables, Inc.	Non Voting	Kilgallen , Kevin	Sokolski , Adam								
Bakerstand Solar, LLC	Non Voting	Caplan , Michael									
Boston Energy Marketing & Trading	Non Voting	✓Kramek , Mike									
Bruce Power	Non Voting	Jain , Anshul	Meyer , Sandra								
CPower	Non Voting	✓Dotson-Westphalen , Peter	Hourihan , Michael	Damaskos , Deno	Campbell , Bruce						
Caithness Energy LLC	Non Voting	Keevill , Gary	Alvarez , Asavari	Garber, Mitchell							
Calpine Energy Solutions	Non Voting	Sun , Jungsuk	Nakhonthap , Jade	Sunga , Leonard							
Cubit Power One Inc.	Non Voting	Powell , Alan	Powell , Leighton	Singer, Leonard							
Customized Energy Solutions	Non Voting	✓Mancini, Rick	Fernands, Stephen	Rexrode, Caryn	Ackerman, Alan						

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Ecesis LLC	Non Voting	Wu , Brian									
Energya VM	Non Voting	Garcia , Francisco	Maeso , Manual	Lopez , Ana	Corvillo , Cristina						
Fluent Energy	Non Voting	Acampora , Peter	Doll , Ed								
GI Energy	Non Voting	Falcier , Peter	Robinson , James								
Highview Power Storage, Inc.	Non Voting	Riley , Richard	Minopoli , Salvatore								
Hudson River Energy Group	Non Voting	Radigan, Frank	Canfield, Richard								
Hydro-Quebec TransEnergie	Non Voting	Prevost , Michel									
ITC Mid-Atlantic Development LLC	Non Voting	Wrenbeck , Tom	Benedict , Nathan								
Institute for Policy Integrity at NYU School of Law	Non Voting	Unel , Burcin	Noll , Bethany	Bialek , Sylwia	Gundlach , Justin						
LS Power Grid NY	Non Voting	Willick , Lawrence	York , Joshua	Carroll , Casey	Hayes , Patrick						
Lockport Energy Assoc.	Non Voting	Gesicki , Thomas	Youngberg , Mar y								
Lyonsdale Biomass, LLC	Non Voting	Ralston , William	Hebel , Nathan	Carrigan , Kathleen							
MAG Energy Solutions, Inc.	Non Voting	Pelletier , Simon	VeZina, Alexandre								
Marathon Energy	Non Voting	Nichols , Jim	Perrotti , Frank	Yeager , Keith							
NRG Curtailment Solutions, Inc.	Non Voting	✓Popova , Julia	Ainspan , Malcolm	Pieniazek , Marie							
NY-BEST Consortium	Non Voting	Acker , William	Sheehan , Denise								
NYS Department of Public Service	Non Voting	✓Paynter , Thomas	✓Evans , Adam								
National Fuel Gas Distribution Corporation	Non Voting	Stankovski , Maryann	Eck , Robert								
New Athens Generating Co. LLC	Non Voting	Tripp , Hank									
Northeast Clean Heat & Power Initiative	Non Voting	Melpignano , Kristin	Brown, Ruben	✓Cinadr , Matt	Dwyer , Herb	Lillian , Jon					
NuEnergen	Non Voting	Hamilton , Sandy	Korczykowski , Ryan								
Plus Power, LLC	Non Voting	Fraenkel , Alex									
RENEW Northeast	Non Voting	Pullaro , Francis	Krich , Abigail								
Richard P. Felak	Non Voting	Felak, Rich									
STEM, Inc.	Non Voting	Ko , Ted	Bellacicco , John								
Saracen Energy East LP	Non Voting	✓Peebles , Andy	Miller , Jason								
Savion, LLC	Non Voting	Doering , Anthony	Sunderman , Derek								
Siemens Energy, Inc.	Non Voting	Feltes , James									
Taylor Biomass Energy, LLC	Non Voting	Taylor , Jim	Page , Allan								
Teichos Energy, LLC	Non Voting	Maclearnsberry , Kirk	VanCoevering , Darrel								
Tesla, Inc.	Non Voting	Van Cleve , Sarah	Gilfenbaum , Eliah								
TransAlta Energy Marketing (U.S.) Inc.	Non Voting	Nivolianitis , Ted	✓Abend , Erik								
Transmission Developers Inc.	Non Voting	Jessome , Donald	Helmer , William	Harrison , Bob	Coxe , Raymond						
Transource New York, LLC	Non Voting	Rupert , David	Cundiff , Robert								
Wheelabrator Technologies, Inc.	Non Voting	Goldie , Reg	Ginnetti , Jim								
William P. Short	Non Voting	Short, William	Schaefer, Marc		Savage, Paul	Verna, Jim					