
**NYISO Business Issues Committee Meeting
Minutes
May 24, 2023
10:00 a.m. – 11:55 a.m.**

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

The Chair of the Business Issues Committee (BIC), Mr. Scott Leuthauser (HQUS), called the meeting to order at 10:00 a.m. The members of BIC identified themselves and attendance was recorded. A quorum was determined.

2. Market Operations Report

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

3. Revenue Metering Requirements Manual (RM2) & Meter Services Entity Manual (MSE) Changes

Ms. Michelle McLaughlin (NYISO) reviewed the presentation included with the meeting material.

Ms. Dana Lazarus (Con Edison) stated that Con Edison identified certain concerns with the metering diagrams set forth in the Revenue Metering Requirements Manual. Ms. Lazarus indicated that Con Edison would seek to further discuss their concerns as part of a future update to the manual. As a result, Ms. Lazarus noted that Con Edison plans to abstain on the vote to approve the proposed manual revisions.

Ms. Julia Popova (NRG) requested additional information regarding the nature of the concerns identified by Con Edison with respect to the metering diagrams included in the Revenue Metering Requirements Manual. Ms. Lazarus stated that Con Edison identified instances in which the metering diagrams may not accurately reflect the specifics for metering configurations of distributed energy resources (DER) interconnected to Con Edison's system. Mr. Chris Russell (NYISO) noted that the meter configuration diagrams are for illustrative purposes only and are not intended to reflect every possible DER metering configuration that may apply.

Motion #1:

The Business Issues Committee (“BIC”) hereby approves the revisions to the Revenue Metering Requirements Manual and the Meter Services Entity Manual, as described in the presentation made to the BIC on May 24, 2023. The revisions will become effective on the effective date of the tariff revisions accepted by the Federal Energy Regulatory Commission in Docket No. ER19-2276-000, et al.

Motion passed unanimously with abstentions.

4. Accounting & Billing Manual Changes

Mr. Mark Buffaline (NYISO) reviewed the presentation included with the meeting material.

Mr. Aaron Breidenbaugh (CPower) asked whether the manual revisions are proposed to become effective simultaneous with the effective date of the tariff provisions to implement the DER participation model. Mr. Buffaline confirmed that the manual revisions are proposed to become effective on the same date as the tariff provisions to implement the DER participation model.

Motion #2:

The Business Issues Committee (“BIC”) hereby approves the revisions to the Accounting & Billing Manual as more fully described in the presentation titled “Accounting & Billing Manual Changes” made to the BIC on

May 24, 2023. The revisions will become effective on the effective date of the tariff revisions accepted by the Federal Energy Regulatory Commission in Docket No. ER19-2276-000, et al.

Motion passed unanimously.

5. Evolving Financial Transaction Capabilities: Market Design Proposal

Ms. Amanda Myott (NYISO) reviewed the presentation included with the meeting material.

Mr. Breidenbaugh asked for further information regarding the proposed clarification that the point identifier (PTID) associated with an aggregation consisting of demand response resources may not serve as the sink for a bilateral transaction. Ms. Myott and Mr. Russell stated that the clarification was in response to feedback from certain stakeholders and designed to retain the intended scope of this particular initiative, which was to address only the expansion of the existing bilateral transaction capability to permit the use of a PTID associated with an energy storage resource as the point of withdrawal for a bilateral transaction.

Mr. Breidenbaugh noted opposition to the aspect of proposal that prohibits use of a PTID associated with an aggregation that includes demand response resources as an eligible point of withdrawal for a bilateral transaction. Mr. Nate Gilbraith (NYISO) noted that the NYISO intends for this proposal to be an initial expansion of the bilateral transaction capability. Mr. Gilbraith indicated that the NYISO would be willing to discuss with stakeholders the potential for further expansion of the financial transaction capability as part of a separate future effort after more experience is gained with the initial proposed expansion of such transaction capability.

Motion #3:

The Business Issues Committee (“BIC”) hereby recommends that the Management Committee approve revisions to the Market Services Tariff and Open Access Transmission Tariff, as more fully described in the presentation entitled “Evolving Financial Transaction Capabilities” made to the BIC on May 24, 2023.

Motion passed unanimously with abstentions.

6. Long Island Offshore Wind Export Public Policy Transmission Planning Report

Mr. Ross Altman (NYISO) reviewed the presentation included with the meeting material.

Mr. Leuthauser asked whether the databases used by the NYISO for analyzing the project proposals were shared with the developers submitting such project proposals. Mr. Altman stated that the databases utilized by the NYISO in assessing the projects were shared with the developers.

Mr. Jay Brew (Nucor) asked whether the cost estimates developed by the NYISO's consultant accounted for potential risks and incremental costs related to the construction of underground cables in densely populated areas. Mr. Altman confirmed that the cost estimates qualitatively and quantitatively accounted for the potential costs and risks associated with the requirement for constructing underground facilities in densely populated areas.

Mr. Mike Mager (Couch White) asked whether the NYISO has identified any specific lessons learned for future public policy planning cycles given the disparities that were identified for the cost estimates developed by the NYISO's consultant compared to the cost estimates submitted by developers. Mr. Altman stated that following the completion of the process for the Long Island Offshore Wind Export Public Policy Transmission Need (PPTN), a lessons learned assessment will be undertaken and discussed with stakeholders to identify potential enhancements that may be warranted for consideration in future cycles of the Public Policy Transmission Planning Process.

Mr. Matt Cinadr (E Cubed Company) asked for further information regarding the sink location of the exports considered as part of the NYISO's assessment. Mr. Altman stated that the "exports" considered refer to production by offshore wind and the capability to deliver such generation to Long Island and distribute such generation from Long Island to the rest of the New York Control Area.

Mr. Marc Montalvo (UIU) asked whether the NYISO assumed any capability of inverter-based resources to provide synthetic inertia. Mr. Altman stated that, for the purposes of the NYISO's assessment, the NYISO did not assume any capability of inverter-based resources to provide synthetic inertia.

Mr. Cinadr asked whether the proposed alternating current upgrades included as part of the project proposals provide incremental inertia to the system. Mr. Altman clarified that the proposed alternating current facilities included as part of project proposals provide for improved interconnectivity of the system which helps to improve the overall strength of the system and capability to respond to various disturbances and contingencies that can arise in real-time operations.

Mr. Leuthauser asked for clarification regarding how any applicable constraint reliability margin will be accounted for when the ambient adjusted rating requirements of FERC Order No. 881 are implemented. Mr. Aaron Markham (NYISO) stated that any applicable constraint reliability margin would be applied to the applicable facility rating determined based on the requirements of FERC Order No. 881 following implementation of such requirements. Mr. Markham noted that this is consistent with the NYISO's current practice of applying any applicable constraint reliability margin to the applicable rating assigned to each transmission facility.

Mr. Montalvo asked whether the NYISO has considered the recommendations of the Market Monitoring Unit (MMU) that are set forth in the MMU's evaluation of the NYISO's assessment. Mr. Zach G. Smith (NYISO) stated that the MMU's evaluation will be presented and discussed with stakeholders at the Management Committee (MC) meeting on May 31, 2023 and recommended that any detailed discussion of such evaluation should occur at the MC meeting. Mr. Zach G. Smith further noted that the NYISO has considered the MMU's evaluation and remains confident in the results of its assessment.

Mr. Andy Antinori (NYPA) asked for clarification regarding the nature of the advisory vote by the Business Issues Committee (BIC). Mr. Brian Hodgdon (NYISO) stated that the advisory vote is intended to provide an informational datapoint for consideration by the NYISO Board of Directors that reflects the opinion of the members of the BIC on the sufficiency of the NYISO's analysis and the project proposal recommended by NYISO staff as a result of the assessment.

Ms. Doreen Saia (Greenberg Traurig) asked for confirmation that the tariff requires advisory votes at BIC and MC. Mr. Hodgdon confirmed that tariff specifically requires the conduct of advisory votes at BIC and MC.

Ms. Saia asked whether the NYISO could provide any opinion regarding the need to proceed at this time with the potential selection of a project to address the identified Long Island Offshore Wind Export PPTN in light of the May 2030 in-service date identified for the recommended project proposal. Mr. Altman stated that the need to proceed, at this time, is reflected in the New York State Public Service Commission's order establishing the Long Island Offshore Wind Export PPTN, together with consideration of the anticipated timeline for permitting and construction of major transmission upgrades in New York, as well as ensuring that the transmission upgrades are developed and available in a timely manner to serve the planned expansion of offshore wind in response to the requirements of the Climate Leadership and Community Protection Act.

Mr. Brew asked for clarification regarding the effect of an advisory vote. Mr. Hodgdon stated that the results of the advisory vote provide an informational datapoint for consideration by the NYISO Board of

Directors in considering how best to proceed with respect to the Long Island Offshore Wind Export PPTN and any project selection relating thereto.

Mr. Dave Clarke (LIPA) provided the following statement for inclusion in meeting minutes:

LIPA supports (and when appropriate will second the motion for) approval of the NYISO recommendation for the Propel NY, Project T051 as the developer for the Long Island PPTN. In addition to supporting the selection of Propel NY, we appreciate the NYISO's diligent efforts in reviewing the project proposals and reaching its recommended selection in a timely manner. We note that this selection recommendation is just the beginning of implementing the LI PPTN. As part of the project implementation, there will be many project-specific matters to resolve. For example, LIPA continues to have some concerns about committing to the stated in-service date before the Facilities Study is completed. Also, LIPA and other transmission owners have raised issues with the NYISO's designation of upgrades versus new facilities for Project T051 and other proposals. While LIPA reserves its rights with respect to these and other implementation matters, they do not diminish our support for the selection of Propel NY, Project T051. We have a lot of work to do. LIPA endorses NYISO's selection and looks forward to working with the NYISO and Propel NY on implementation of this important project.

Motion #4:

The Business Issues Committee ("BIC"), by way of an advisory vote, recommends that the Management Committee recommend that the NYISO Board of Directors approve the draft Long Island Offshore Wind Export Public Policy Transmission Planning Report, including Appendices, as presented and discussed at the May 24, 2023 BIC meeting.

Motion passed unanimously with abstentions.

7. Working Group Updates

Billing, Accounting, and Credit Working Group: The group met on May 19, 2023 and reviewed: (1) the standard accounting/settlement reports; and (2) updates to certain billing codes in connection with the implementation of the DER participation model.

Electric System Planning Working Group: The group has met five times since the last BIC meeting, including a joint meeting with LFTF. On April 12, 2023, the group met and reviewed: (1) the results of the NYISO's analysis regarding avoided cost impacts, operability considerations, and voluntary cost cap proposals associated with the project proposals submitted in response to the Long Island Offshore Wind Export PPTN. The group met on April 25, 2023 and reviewed: (1) potential enhancements to the modeling assumptions related to load forecast uncertainty; (2) key study assumptions for the short-term assessment of reliability study for Q2 2023; (3) an overview of considerations for the 2023-2032 Comprehensive Reliability Plan; and (4) a draft of the report addressing the evaluation of project proposals submitted in response to the Long Island Offshore Wind Export PPTN. On May 5, 2023, the group met and reviewed: (1) an update to the NYISO's analysis regarding voluntary cost cap proposals associated with the project proposals submitted in response to the Long Island Offshore Wind Export PPTN; (2) a draft of the report addressing the evaluation of project proposals submitted in response to the Long Island Offshore Wind Export PPTN; (3) an update regarding the status of various Class Year-related studies; and (4) potential enhancements to the interconnection process. The group met on May 11, 2023 and reviewed: (1) a draft of the report addressing the evaluation of project proposals submitted in response to the Long Island Offshore Wind Export PPTN; and (2) NYISO staff's recommended ranking of project proposals submitted in response to the Long Island Offshore Wind Export PPTN. The group also met on May 16, 2023 and reviewed: (1) a presentation by

National Grid regarding updates to its local transmission planning criteria; and (2) a draft of the report addressing the evaluation of project proposals submitted in response to the Long Island Offshore Wind Export PPTN.

Installed Capacity Working Group: The group has met jointly with MIWG and PRLWG five times since the last BIC meeting. On April 21, 2023, the group met and reviewed: (1) a presentation by Analysis Group providing an overview of the scope and methodology for the 2023 fuel and energy security study; and (2) proposed revisions to the Aggregation Manual related to the implementation of the DER participation model. The group met on April 27, 2023 and reviewed: (1) proposed revisions to manuals (Aggregation Manual and Installed Capacity Manual) related to the implementation of the DER participation model; (2) proposed enhancements to the methodology for calculating the reference point price values of the ICAP Demand Curves; (3) potential enhancements to the modeling of start-up time requirements of various resources as part of determining capacity accreditation factors; (4) potential enhancements to the modeling of Special Case Resources as part of determining capacity accreditation factors; (5) potential enhancements to the modeling of natural gas system constraints as part of determining capacity accreditation factors; and (6) potential enhancements to the optimization used in the annual determination of locational capacity requirements. On May 8, 2023, the group met and reviewed: (1) an overview of considerations related to the treatment of Existing Transmission Capacity for Native Load rights; (2) a presentation by Analysis Group regarding key study assumptions and data sources for the 2023 fuel and energy security study; (3) potential enhancements to the modeling of correlated resource derating events as part of determining capacity accreditation factors; and (4) proposed revisions to the Reference Level Manual. The group met on May 17, 2023 and reviewed proposed revisions to manuals (Load Forecasting Manual and Aggregation Manual) related to the implementation of the DER participation model. The group also met on May 23, 2023 and reviewed: (1) proposed clarifying revisions to Technical Bulletin No. 185 addressing the generator deactivation process; (2) an overview of feedback received from the initial outreach discussions to commence the Engaging the Demand Side project efforts for 2023; (3) proposed revisions to the Installed Capacity Manual related to the implementation of the DER participation model; and (4) a presentation by the Joint Utilities regarding their development of day-ahead operating plans related to DER participation in both wholesale and retail markets/programs.

Load Forecasting Task Force: The group met jointly with ESPWG on April 25, 2023 and reviewed potential enhancements to the modeling assumptions related to load forecast uncertainty.

Market Issues Working Group: The group has met six times since the last BIC meeting, including joint meetings with ICAPWG and PRLWG. The group met on April 17, 2023 and reviewed: (1) proposed methodologies for reporting average and implied marginal carbon dioxide emission rates related to wholesale energy production; and (2) proposed updates to regulation capacity requirements. On April 21, 2023, the group met and reviewed: (1) a presentation by Analysis Group providing an overview of the scope and methodology for the 2023 fuel and energy security study; and (2) proposed revisions to the Aggregation Manual related to the implementation of the DER participation model. The group met on April 27, 2023 and reviewed proposed revisions to the Aggregation Manual related to the implementation of the DER participation model. On May 8, 2023, the group met and reviewed: (1) an overview of considerations related to the treatment of Existing Transmission Capacity for Native Load rights; (2) a presentation by Analysis Group regarding key study assumptions and data sources for the 2023 fuel and energy security study; (3) a proposal for allowing use of a withdrawal-eligible generation resource as the point of withdrawal for a bilateral transaction; and (4) proposed revisions to the Reference Level Manual. The group met on May 17, 2023 and reviewed proposed revisions to manuals (Load Forecasting Manual and Aggregation Manual) related to the implementation of the DER participation model. The group also met on May 23, 2023 and reviewed: (1) proposed clarifying revisions to Technical Bulletin No. 185 addressing the generator deactivation process; (2) an overview of feedback received from the initial outreach discussions to commence the Engaging the Demand Side project efforts for 2023; and (3) a presentation by the Joint

Utilities regarding their development of day-ahead operating plans related to DER participation in both wholesale and retail markets/programs.

Price Responsive Load Working Group: The group has met jointly with ICAPWG and MIWG five times since the last BIC meeting (i.e., April 21, 2023, April 27, 2023, May 8, 2023, May 17, 2023, and May 23, 2023). 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.

8. New Business

There was no new business.

The meeting adjourned at 11:55 a.m.

Business Issues Committee Meeting

May 24, 2023

Final Motions

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Motion passed unanimously with abstentions.

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Motion passed unanimously.

Motion #3:

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Motion passed unanimously with abstentions.

Motion #4:

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Motion passed unanimously with abstentions.

New York Independent System Operator - Committee Membership

Business Issues Committee - May 24, 2023 - 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								
Bluestone Wind, LLC	Generation Owners	Kelly, Brandon	Zajmalowski, Mike								
Boralex, Inc	Generation Owners	Hutchins, Zack									
CPV Valley LLC	Generation Owners	Jerke, Dan	Rumsey, Tom	Litchfield, Matt							
Calpine	Generation Owners	Kruse, Brett	Reitmeyer, Jay	Flumerfelt, John	Schleimer, Steve	✓ Reyes, Elynor					
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	Silliman, Keith	Scavo, Marisa							
Danskammer Energy, LLC	Generation Owners	Reid, William	Cada, Eric								
EDP Renewables North America LLC	Generation Owners	Brodbeck, John	Loturco, Thomas	Priemer, Dustin	Zhang, Kathy						
East Coast Power, LLC	Generation Owners	✓ Pieniasek, Marie	McEachern, Ben	Moore, Kyle	O'Brien, John	Franzetti, Paul	Marczewski, John				
Empire Generating Co, LLC	Generation Owners	Morris, Chandler	Maida, Jeff	Hudson, Daniel							
GenOn Bowline, LLC	Generation Owners	Younger, Mark	Rutz, Shaun	Sacks, Jon	Freysinger, Dave						
GlidePath Power Solutions LLC	Generation Owners	McKissack, Chris	Baur, Sean	Vickery, Chris	Labij, Denis	Arega, Robel					
Helix Ravenswood LLC	Generation Owners	D'Andrea, James	Galarneau, Kenneth	Toomey, Peter							
Howard Wind LLC	Generation Owners	Smith, David	Brocks, Annette	Rohrbach, John							
Indeck Energy Services, Inc.	Generation Owners	Ferguson, Mike	Younger, Mark								
Invenegy Energy Management LLC	Generation Owners	Bangston, Kaley	Soorya, Radha	Goldstein, Michael							
Key Capture Energy	Generation Owners	Goldwasser, Rachel	Musher, Daniel								
Lockport Energy Assoc	Generation Owners	Gesicki, Thomas	Youngberg, Mar y								
MPH Rockaway Peak,ers, LLC	Generation Owners	Rizzo, John	Telford, Kevin	Mann, Michael							
National Grid Generation LLC	Generation Owners	Kain, Terrence	McCabe, Brian								
North East Offshore, LLC	Generation Owners	Reynolds, Melissa	Presti, John								
RWE Renewables Americas, LLC	Generation Owners	Dalakos, Theodore	Ayers-Brasher, Jennifer	Burke, Thomas							
Selkirk Cogen Partners, LP	Generation Owners	Biittig, Timothy	Whitehead, Kevin								
Valcour Wind Energy LLC	Generation Owners	Vincent, Martin									
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						
Castleton Commodities Merchant Trading L.P.	Other Suppliers	Miraval, Marissa	Stuss, Gordon								
Citigroup Energy Inc.	Other Suppliers	Gollomp, Jeffrey	Bisaria, Shikher								
Consolidated Edison Energy, Inc.	Other Suppliers	✓ Flagler, Grant	Napoli, Matthew								
Constellation Energy Generation, LLC	Other Suppliers	Barlette, Richard	Kirk, Steven								
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	Tate, Matthew	Milberg, Sadao	✓ Feng, Fan						
DTE Energy	Other Suppliers	German, Robert	Pakela, Gregory								
Danske Commodities US LLC	Other Suppliers	Manders, Maarten	Mah, Norman								
Direct Energy Business Marketing, LLC	Other Suppliers	Fitch, Neal	✓ Popova, Julia								
Dynergy Marketing and Trade	Other Suppliers	Weinstein, Andrew	Allen, Sean								
ENEL X	Other Suppliers	Worsley, Alex	Geller, Greg								
ENGIE Energy Marketing NA, Inc.	Other Suppliers	Bresolin, Sarah	Levine, Jeffrey	Hawkins, Darin							
Eastern Generation	Other Suppliers	Baker, Liam	✓ Schwall, Matthew	Younger, Mark	Johnson, David	✓ Saia, Doreen	Perdeck, Zachary	Zaludek, Michelle	✓ Bratton, Richard		
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								
Galt Power	Other Suppliers	Simko, Elliott	✓ Ackerman, Alan								
HQ Energy Services US	Other Suppliers	Vennes, Yannick	Vezina, Louis	✓ Leuthauser, Scott	Guilbault, Louis	Bélangier, Frédéric					
Innoventive Power	Other Suppliers	Gruber, Craig	Halford, Steve								
Mercuria Energy America, Inc.	Other Suppliers	Davis, Andrew	Younger, Mark	Gross, Jordan							
Morgan Stanley Capital Group, Inc.	Other Suppliers	Kochonies, Karen	Meditz, Alex	Grimes, Jordan							
NRG Power Marketing Inc.	Other Suppliers	Fitch, Neal	✓ Popova, Julia	Hsia, Jennifer	Kranz, Bradley						
New York Transco	Other Suppliers	Mullin, Victor	Caso, Rob	Carrigan, Kathleen	✓ Haering, Paul						
NextEra Energy	Other Suppliers	Gardner, Michelle	Dietrich, Cheryl	Hollis, Gabriel							
Ontario Power Generation, Inc.	Other Suppliers	Lauritsen, Kim									
PSEG Energy Resource & Trade, LLC	Other Suppliers	Corash, Richard	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 (US), L.P.	Other Suppliers	Dannels, Jeff	Picardi, Matt								

✓ Wilkinson, Eric
 ✓ Zalcman, Fred

✓ Addepalli, Raj

✓ Didomenico, Corinne

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
Stephentown Spindle, LLC	Other Suppliers	Streeter , Christopher									
Viridity Energy Solutions	Other Suppliers	Pavo , Michael	Butt , Justin	Ward , Theodora	Schulze , Jim	Misciagna , Mark					
Vitol Inc.	Other Suppliers	Wadsworth , Joe	Conn , Averill	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	Kilkenny , Kathleen						
Consolidated Edison Co. of NY, Inc.	Transmission Owners	✓Lazarus , Dana	✓Kiselev , Dimitry	✓Islam , Lubaba	Raup , Chris	Butterklee, Neil	LoFrumento , Susan				
National Grid	Transmission Owners	✓Gonsalves , Shelanda	Lodemore , David	✓MacBride , Andrew							
New York State Electric & Gas (NYSEG)	Transmission Owners	Caletka, Patricia	✓Novicki , Alex	Lynch , Tim							
Orange & Rockland Utilities, Inc.	Transmission Owners		Brophy , Richard	Lynch , Tim							
Rochester Gas and Electric Corp.	Transmission Owners	Caletka, Patricia									
Alcoa, Inc.	Large Consumer	✓Mager, Michael	Loughney, Robert	Trinsey , Amanda	✓Goodman , Jay	Lang, Kevin					
GlobalFoundries, U.S., Inc.	Large Consumer	✓Mager, Michael	Loughney, Robert	Trinsey , Amanda	✓Goodman , Jay	Lang, Kevin					
IBM Corporation	Large Consumer	✓Mager, Michael	Loughney, Robert	Trinsey , Amanda	✓Goodman , Jay	Lang, Kevin					
Nucor Steel Auburn, Inc.	Large Consumer	✓Brew , James	Mackaronis , Chris	Baker , Laura	Briscar , Joseph						
Wegmans Food Markets	Large Consumer	✓Mager, Michael	Loughney, Robert	Trinsey , Amanda	✓Goodman , Jay	Lang, Kevin					
Metropolitan Transportation Authority	Large Consumer Government Agency	Keller , David	Chou , Frances								
Beth Israel Health Care System	Small Consumer	Duncan , Taylor	Lang, Kevin	✓Mager, Michael	Trinsey , Amanda						
Fordham University	Small Consumer	Duncan , Taylor	Lang, Kevin	✓Mager, Michael	Trinsey , Amanda	✓Goodman , Jay					
Memorial Sloan Kettering Cancer Center	Small Consumer	Duncan , Taylor	Lang, Kevin	✓Mager, Michael	Trinsey , Amanda						
Mount Sinai Medical Center	Small Consumer	Duncan , Taylor	Lang, Kevin	✓Mager, Michael	Trinsey , Amanda						
New York University	Small Consumer	Duncan , Taylor	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								
City of New York	Government Small Consumer and Retail Aggregate	Lang, Kevin	✓Mager, Michael	Trinsey , Amanda	✓Goodman , Jay						
NYS Energy Research & Dev. Authority	Government Small Consumer and Retail Aggregate	✓Hall , Christopher	Matteson , Schuyler	Mas , Carl	Coup, David	YeZZi , McKenzie					✓Bernecker, John
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						
Bath Electric, Gas & Water Systems	Municipalities and Coops	Bonacci , Erin	Wentlent, Chris	Cordeiro, Mark							✓Ackerman, Alan
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							✓Ackerman, Alan
Municipal Commission of Boonville	Municipalities and Coops	Varner , Doug	Wentlent, Chris	Cordeiro, Mark							✓Ackerman, Alan
Plattsburgh Municipal Lighting Dept	Municipalities and Coops	Treacy, William	Wentlent, Chris	Cordeiro, Mark							✓Ackerman, Alan
Village of Arcade	Municipalities and Coops	Kilburn, Larry	Wentlent, Chris	Cordeiro, Mark							✓Ackerman, Alan
Village of Fairport	Municipalities and Coops	Hegarty , Matt	Wentlent, Chris	Cordeiro, Mark							✓Ackerman, Alan
Village of Rockville Centre	Municipalities and Coops	Foglietta , Eileen	Valenzano , Michael	✓Rudebusch, Tom							
Village of Solvay	Municipalities and Coops	Hawksby , Joe	Wentlent, Chris	Cordeiro, Mark							✓Ackerman, Alan
Village of Westfield	Municipalities and Coops	Thompson , Andrew	Wentlent, Chris	Cordeiro, Mark							✓Ackerman, Alan
American Clean Power Association	Environmental	Reynolds , Anne	Reeder , Mark	Fink , Sari	Tabak , Gabe	Grace , Gene					
Environmental Advocates	Environmental	Bambrick , Conor	✓Casey , Christopher	Murray , Frank							
Environmental Defense Fund	Environmental	Peress J., Naim	Stein , Elizabeth	Karas , Natalie	Murphy , Erin						
Natural Resources Defense Council	Environmental	✓Casey , Christopher	Howe , Cullen	Murray , Frank	Walsh , Christy						
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								
Able Grid Energy Solutions, Inc.	Non Voting	Lines , Sam	Mills , Sara								
Alliance for Clean Energy New York	Non Voting	Reynolds , Anne	Reeder , Mark	Addepalli , Raj	Rabin , Kyle						
Anbaric Development Partners, LLC	Non Voting	Kosel , Howard	Sanderson , Bryan	Bruno , Clarke	Fuller , Janice						
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									
Bloom Energy	Non Voting	Noonan , Brian									
Boston Energy Marketing & Trading	Non Voting	Kramek , Mike									
Bruce Power	Non Voting	Jain , Anshul	Meyer , Sandra								
CPower	Non Voting	✓Breidenbaugh , Aaron	Dotson-Westphalen , Peter	Schissler , Kenneth	Hourihan , Michael						
Caithness Energy LLC	Non Voting	Keevill , Gary	Alvarez , Asavari	Garber, Mitchell							
Calpine Energy Solutions	Non Voting	Sun , Jungsuk	Nakhonthap , Jade	Sunga , Leonard							
Con Edison Transmission, Inc.	Non Voting	Frost , Timothy	Berninger , Marie	Deonarine , Balvinder	Hekmat , Morad	✓Azzolini , Mallorie					
ConnectGen East, LLC	Non Voting	Rieman , Derek	Nash , Colleen	Turner , Becky							
Cubit Power One Inc.	Non Voting	Powell , Alan	Powell , Leighton	Singer, Leonard							

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
Customized Energy Solutions	Non Voting	Mancini, Rick	Fernands, Stephen	Rexrode, Caryn	✓ Ackerman, Alan						
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								
Hanwha Q CELLS USA Corp.	Non Voting	Miller , Amy	Kotwicki , Justin								
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	Ladin , Sarah								
Jupiter Power LLC	Non Voting	Smith , Caitlin									
LS Power Grid NY	Non Voting	Willick , Lawrence	✓Lundin , Tim	Brau , Brian	York , Joshua						
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	Yeager , Keith								
NRG Curtailment Solutions, Inc.	Non Voting	✓Popova , Julia	Ainspan , Malcolm								
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	Janssen , Rob								
New Leaf Energy Inc.	Non Voting	✓Stines , Zachary	Delaney , Liz	Fisher , Kayleigh							
Northeast Clean Heat & Power Initiative	Non Voting	Melpignano , Kristin	Brown, Ruben	✓Cinadr , Matt	Dwyer , Herb	Lillian , Jon					
NuErgen	Non Voting	Nole , Anthony	Hamilton , Kevin								
OW North America	Non Voting	Contino , Jarett	Kaplan , Seth	Syed , Saad							
Plus Power, LLC	Non Voting	Fraenkel , Alex									
RENEW Northeast	Non Voting	Pullaro , Francis	Krich , Abigail								
Richard P. Felak	Non Voting	Felak, Rich									
Rodan Energy Solutions (USA) Inc.	Non Voting	Young , Craig									
Saracen Energy East LP	Non Voting	Boling , Drew	Theriot , Kim								
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	Sheehan , Jeremiah	Harrison , Bob	Coxe , Raymond						
Transource New York, LLC	Non Voting	Rupert , David	Cundiff , Robert								
Voltus, Inc.	Non Voting	Guernsey , Dana	Amores , Angel	Fan , Jianing	Bates-Wannop , Allison	Konidena , Rao					
Wheelabrator Technologies, Inc.	Non Voting	Goldie , Reg	Ginnetti , Jim								
William P. Short	Non Voting	Short, William	Schaefer, Marc		Savage, Paul	Verna, Jim					