
**NYISO Business Issues Committee Meeting
Minutes
February 15, 2023
10:00 a.m. – 11:45 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. Draft November 16, 2022 and January 18, 2023 Minutes

There were no questions or comments regarding the draft minutes from the November 16, 2022 and January 18, 2023 BIC meetings included as part of the meeting material.

Motion #1:

Motion to approve the minutes from the November 16, 2022 and January 18, 2023 BIC meetings.

Motion passed unanimously.

3. Market Operations Report

Mr. Rana Mukerji (NYISO) reviewed the Market Operations Report included with the meeting materials.

Mr. Adam Evans (NYDPS) asked for clarification regarding the difference between the monthly LBMP values and the monthly cost values identified in the Market Operations report. Mr. Mukerji and Mr. Mike DeSocio (NYISO) clarified that the monthly LBMP values reflect only the average cost of energy, whereas the monthly cost values reflect an average all-in cost that includes various other cost components such as Rate Schedule 1 charges, uplift, and ancillary services.

4. DER 205 Filing

Mr. Harris Eisenhardt (NYISO) reviewed the presentation included with the meeting materials.

Mr. Mukerji acknowledged that the NYISO has received feedback from various market participants regarding the proposed 10 kW minimum threshold for individual resources participating in a distributed energy resources (DER) aggregation. Mr. Mukerji provided the following statement regarding future efforts to assess the proposed minimum size threshold for individual resources participating in DER aggregations:

As part of its 2023 Engaging the Demand Side Project, the NYISO commits to evaluating the ability of small facilities to provide wholesale market services as part of an Aggregation. The NYISO looks forward to collaborating with its stakeholder community to learn about specific use cases for facilities smaller than 10kW and the abilities of Aggregators to efficiently facilitate their wholesale market participation. These discussions will provide both NYISO and its stakeholders with a useful framework to consider how best to accommodate small facilities and, where appropriate, identify modifications to the NYISO’s Aggregation rules. The ultimate goal of these efforts is to propose a set of market rules for small facilities that enhance grid reliability and resilience, reduce consumer costs, and lower barriers to entry for small DER.

Mr. Chris Casey (NRDC) asked for further information regarding why the minimum size threshold for individual resources was not identified earlier in the development of the market participation rules for DER. Mr. Mukerji stated that market participation rules were based on the NYISO's current market software, and the initial design did not contemplate the potential for large numbers of very small resources participating in DER aggregations.

Ms. Amanda Trinsey (Couch White) asked whether the NYISO intends to include language regarding the commitment to further explore the proposed minimum size threshold for individual resources within its filing to FERC, if the proposed revisions are approved by stakeholders and the NYISO Board of Directors. Mr. Mukerji stated that the NYISO would intend to provide language in any filing to FERC related to this proposal acknowledging its commitment to further assess the proposed minimum size threshold for individual resources participating in a DER aggregation.

Mr. Aaron Breidenbaugh (C Power) noted appreciation for the NYISO's commitment to further explore the minimum size threshold for individual resources but indicated a preference for providing greater flexibility in the proposed tariff revisions to accommodate participation of smaller resources in the future or potentially facilitate the near-term implementation of a pilot program design for participation of such smaller resources in a DER aggregation.

Mr. Evans asked whether the NYISO's commitment to further explore the minimum size threshold for individual resources participating in a DER aggregation includes both demand response and supply resources. Mr. Mukerji stated that the NYISO's further exploration of the minimum size threshold for individual resources participating in a DER aggregation is intended to include all resource types that are eligible to participate in a DER aggregation.

Mr. Breidenbaugh recommended that the NYISO consider scheduling a separate discussion focused on small resource participation in DER aggregations as part of its planned kickoff discussions for the "Engaging the Demand Side" initiative. Mr. Mukerji and Mr. DeSocio stated that the planned kickoff discussions for the "Engaging the Demand Side" initiative are intended to include a discussion of small resource participation in DER aggregations.

Mr. Casey asked for clarification regarding whether the NYISO contemplates the potential need for separate market rules to facilitate the participation of smaller individual resources in DER aggregations. Mr. Mukerji stated that the ability to accommodate a large volume of small resources has implications from a software capability perspective which could identify the potential need to consider whether adjustments to market rules to facilitate the participation of such small resources in DER aggregations may be warranted.

Mr. Breidenbaugh asked for clarification regarding the proposed tariff revisions regarding meter data terminology to distinguish between telemetered data and revenue grade metering data. Mr. Eisenhardt stated that the proposed tariff revisions are intended to clarify that telemetered data will be utilized for purposes of calculating the economic customer baseline load (ECBL) for demand response resources participating in a DER aggregation rather than revenue grade meter data.

Mr. Breidenbaugh requested clarification regarding the intent of the revisions proposed by the Joint Utilities related to the scope of services that retail electric utilities provide to DER aggregations. Ms. Bonnie Graziano (Con Edison) noted that the supplemental revisions proposed to Section 24 of the Open Access Transmission Tariff by the Joint Utilities at the February 7, 2023 ICAPWG meeting were intended to clarify that retail electric utilities are not obligated to provide services such as ECBL calculation administration for DER aggregations as part of providing any telemetered and/or revenue grade meter data services.

Mr. Chris Hall (NYSERDA) provided the following statement for inclusion in the minutes:

DERs are critical to achieving New York State's climate change goals under the CLCPA. FERC Order 2222 opened a path for DER to participate in the wholesale

market as part of an aggregation. While NYSERDA will support this filing, and appreciates all the work by NYISO staff, NYSERDA does not support the proposed 10-kW minimum size threshold for an individual resource participating in an aggregation. FERC's primary objective in Order 2222 was to remove barriers for DERs to participate in wholesale markets and a 10-kW minimum size threshold runs counter to this FERC objective. NYSERDA's support of this filing is therefore contingent upon NYISO exploring in good faith a path to removing this minimum threshold. Leaving the 10-kW threshold in place could needlessly shut out a significant number of assets, including a significant number of residential storage assets, from participating.

Motion #2:

The Business Issues Committee ("BIC") hereby recommends that the Management Committee ("MC") approve changes to Sections 2, 4.1, 4.5, 5.12, 7.2, 13, 18, 23.3, and 25 of the NYISO's Market Administration and Control Area Services Tariff, and Sections 2.7 and 24 of the Open Access Transmission Tariff, as more fully described in the presentation "DER 205 Filing" made to the BIC on February 15, 2023.

Motion passed unanimously with abstentions.

5. External ICAP Rights for the 2023/2024 Capability Year & ICAP Manual Updates

Mr. Gabe Centi (NYISO) reviewed the presentation included with the meeting materials.

Mr. Leuthauser asked whether the GE Multi-Area Reliability Simulation (MARS) database reflects calendar year data. Mr. Josh Boles (NYISO) stated that the current GE MARS database is based on calendar year data, but the database appropriately captures the fact that the current risk of loss of load in New York is concentrated in the summer period. As a result, Mr. Boles noted that the use of a calendar year data by GE MARS does not negatively impact the analysis conducted to determine the maximum available external ICAP rights for the 2023/2024 Capability Year.

Mr. Howard Fromer (Bayonne Energy Center) asked whether there are provisions in the tariff requiring the NYISO to present to stakeholders on results of the analysis to determine the external ICAP rights values for each Capability Year. Mr. Boles clarified that, as part of today's vote, the NYISO is not seeking to revise the current requirement to seek approval of revisions to the ICAP Manual to memorialize the results of each annual calculation of the external ICAP rights values but will instead further review this potential change as part of the process for the 2024/2025 Capability Year. Mr. Boles noted that the NYISO would consider as part of such future discussions how best to memorialize a commitment by the NYISO to present on the results of the external ICAP rights analysis consistent with its past practices.

Mr. Marc Montalvo (UIU) asked whether the maximum allowable external ICAP rights values are filed with FERC. Mr. Boles stated that the values are not filed with FERC, but instead are determined based on the execution of the procedures described in the ICAP Manual.

Motion #3:

The Business Issue Committee ("BIC") hereby approves the revisions to the Installed Capacity Manual regarding the updates required to the Import right limits for the 2023-2024 Capability year. The applicable revisions approved by the BIC shall become effective for the 2023 Capability year.

Motion passed unanimously.

6. Working Group Updates

Billing, Accounting, and Credit Working Group: The group met on January 23, 2023 and reviewed: (1) the standard accounting/settlement reports; (2) an update regarding the schedule for conducting market trials

related to the DER participation model software enhancements; and (3) an overview of proposed updates to the procedures for the submission of hourly metering data by injection-only generation resources.

Electric System Planning Working Group: The group has met four times since the last BIC meeting, including a joint meeting with LFTF. On January 24, 2023, the group met and reviewed: (1) key study assumptions for the short-term assessment of reliability study for Q1 2023; (2) an update regarding the schedule for the ongoing study work associated with the Long Island Offshore Wind Export Public Policy Transmission Need (PPTN); and (3) a presentation by Con Edison regarding its "reliable clean city" transmission upgrade projects. The group met on February 2, 2023 and reviewed: (1) a presentation by PSEG Long Island regarding updates to its local transmission planning criteria; (2) a presentation by PSEG Long Island regarding updates to its local transmission plan; and (3) an update regarding the 2023 project to assess potential enhancements to the interconnection process. On February 8, 2023, the group met and reviewed: (1) an overview of ongoing electric industry activity related to inverter-based resources, including the IEEE 2800 standard; and (2) an update regarding the ongoing analysis related to the Long Island Offshore Wind Export PPTN. The group also met on February 14, 2023 and reviewed potential enhancements to the interconnection process.

Installed Capacity Working Group: The group has met jointly with MIWG and PRLWG twice since the last BIC meeting. On January 26, 2023, the group met and reviewed: (1) proposed supplemental tariff revisions related to the implementation of the DER participation model; (2) an overview of the efforts to pursue modeling enhancements related to capacity accreditation; (3) the proposed maximum allowable import capacity values from external areas for the 2023/2024 Capability Year; and (4) proposed revisions to the Load Forecasting Manual to support the implementation of the DER participation model. The group also met on February 7, 2023 and reviewed: (1) an overview of the upcoming 2025-2029 ICAP Demand Curve reset process; (2) an overview of the efforts to assess potential enhancements to the optimization used in the annual determination of locational capacity requirements; (3) the results of the analysis undertaken to determine initial Unforced Capacity derating factors for offshore wind; and (4) an overview of considerations related to the financial data requirements applicable to resources proceeding through the Generator Deactivation process.

Load Forecasting Task Force: The group met jointly with ESPWG on January 24, 2023 and reviewed key study assumptions for the short-term assessment of reliability study for Q1 2023.

Market Issues Working Group: The group has met jointly with ICAPWG and PRLWG twice since the last BIC meeting. The group met on January 26, 2023 and reviewed: (1) proposed supplemental tariff revisions related to the implementation of the DER participation model; and (2) proposed revisions to the Load Forecasting Manual to support the implementation of the DER participation model. The group also met on February 7, 2023 and reviewed: (1) an overview of considerations related to allowing use of a withdrawal-eligible generation resource as the point of withdrawal for a bilateral transaction; and (2) an overview of considerations related to the financial data requirements applicable to resources proceeding through the Generator Deactivation process.

Price Responsive Load Working Group: The group has met jointly with ICAPWG and MIWG twice since the last BIC meeting (i.e., January 26, 2023 and February 7, 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.

7. New Business

There was no new business.

The meeting adjourned at 11:45 a.m.

Business Issues Committee
February 15, 2023
Final Motions

Motion #1:

Motion to approve the November 16, 2022 and January 18, 2023 BIC meeting minutes.

Motion passed unanimously.

Motion #2:

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Motion passed unanimously with abstentions.

Motion #3:

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Motion passed unanimously.

New York Independent System Operator - Committee Membership

Business Issues Committee - February 15, 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								
CPV Valley LLC	Generation Owners	Jerke, Dan	Rumsey, Tom	Litchfield, Matt							
Calpine	Generation Owners	Kruse, Brett	Reitmeyer, Jay	Flumerfelt, John	Schleimer, Steve						
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								
Invenergy Energy Management LLC	Generation Owners	Bangston, Kaley	Soorya, Radha	Goldstein, Michael							
Key Capture Energy	Generation Owners	Goldwasser, Rachel	Musher, Daniel	Fitzgerald, Dan							
Lockport Energy Assoc	Generation Owners	Gesicki, Thomas	Youngberg, Mar y								
MPH Rockaway Peakers, 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	Chocarro, Iker	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						
COI Energy Services, Inc.	Other Suppliers	Berrien, SaLisa	Hollie-Major, Ramona								
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								
Dynegy 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								
Stephentown Spindle, LLC	Other Suppliers	Streeter, Christopher									
Viridity Energy, Inc.	Other Suppliers	Pavo, Michael	Butt, Justin	Ward, Theodora	Schulze, Jim	Misciagna, Mark					

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
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										
Rochester Gas and Electric Corp.	Transmission Owners	Caletka, Patricia	Brophy , Richard	Lynch , Tim							
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					
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							
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	Foglietta , Eileen	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 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								
AES ES Holdings LLC	Non Voting	Kumar , Manish									
Able Grid Energy Solutions, Inc.	Non Voting	Lines , Sam	Mills , Sara								
Acadia Center	Non Voting	Sosland , Daniel									
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									
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									
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					
NuEnergen	Non Voting	Nole , Anthony	Hamilton , Kevin								
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					