## NYISO Business Issues Committee Meeting Minutes May 20, 2020 10:00 a.m. – 11:30 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. April 8, 2020 BIC Meeting Minutes

There were no questions or comments regarding the draft minutes from the April 8, 2020 BIC meeting that were included as part of the meeting material.

#### Motion#1:

Motion to approve the April 8, 2020 BIC meeting minutes.

Motion passed unanimously.

#### 3. Market Operations Report and Broader Regional Markets Report

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

Mr. Mukerji reviewed the broader regional markets report included with the meeting material. There were no questions or comments.

#### 4. Accounting and Billing Manual Revisions

Mr. Mark Buffaline (NYISO) review the presentation included with the meeting material. There were no questions or comments.

#### Motion #2:

The Business Issues Committee ("BIC") hereby approves the revisions to the Accounting & Billing Manual as described in the presentation to the BIC on May 20, 2020.

Motion passed unanimously with abstentions.

#### 5. Revenue Metering Requirements Manual Revisions

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

Mr. Peter Dotson-Westphalen (CPower) requested an update on the NYISO's review of whether the obligations specified for reporting meter inventory information should be expanded to include municipal electric utilities. Ms. McLaughlin noted that the NYISO is continuing to review whether expansion of the requirements for providing meter inventory information to municipal electric utilities is warranted. Ms. McLaughlin stated that if further revisions are deemed warranted, any such further revisions would be developed separately as part of a subsequent update to the manual.

#### Motion #3:

The Business Issues Committee ("BIC") hereby approves the revisions to the Revenue Metering Requirements Manual as described in the presentation to the BIC on May 20, 2020.

Motion passed unanimously with abstentions.

# 6. Public Policy Transmission Planning Process Manual Revisions

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

# Motion #4:

The Business Issues Committee ("BIC") hereby approves the revisions to the Public Policy Transmission Planning Process Manual, NYISO Manual No. 36, as presented and discussed at the BIC meeting held on May 20, 2020.

Motion passed unanimously with abstentions.

# 7. Proposed BIC By-Laws Revisions

Mr. Kevin Lanahan (NYISO) reviewed the presentation included with the meeting material.

Mr. Kevin Lang (Couch White) requested confirmation that the proposed changes to the BIC By-Laws are consistent with the changes previously approved to the Management Committee (MC) By-Laws. Mr. Lanahan confirmed that the proposed changes to the BIC By-Laws are consistent with the by-law changes previously approved by the MC.

# Motion #5:

The Business Issues Committee ("BIC") hereby approves revisions to the BIC By-Laws as presented and discussed at the May 20, 2020 BIC meeting.

Motion passed unanimously with abstentions.

# 8. ICAP Manual Revisions for Energy Storage Resources

Ms. Sarah Carkner reviewed the presentation included with the meeting material. There were no questions or comments.

## Motion #6:

The Business Issues Committee ("BIC") hereby approves revisions to the Installed Capacity Manual regarding Energy Storage Resources as described in the presentation made to the BIC on May 20, 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.

# 9. Reserve Pickup Event Scheduling for Energy Storage Resources

Mr. Aaron Markham (NYISO) reviewed the presentation included with the meeting material.

Mr. Lang asked whether the 60 minute sustainability requirement for reserves is unique requirement imposed by Northeast Power Coordinating Council (NPCC) or if a similar sustainability requirement is imposed by other regional electric reliability councils. Mr. Markham stated that the 60 minute sustainability requirement is a unique requirement established by NPCC.

Mr.Lang asked whether the NYISO has considered further discussions with NPCC regarding continued applicability of the 60 minute sustainability requirement in light of the ongoing transition of the resource fleet in New York. Mr. Markham noted that many areas within the NPCC region are experiencing resource fleet transitions similar to New York. Mr. Markham stated that the NPCC has begun a process of further evaluating the 60 minute sustainability requirement in light of the NPCC region.

## Motion # 7:

The Business Issues Committee ("BIC") hereby recommends that the Management Committee approve changes to Section 4.4.3.1.1 of the Services Tariff, as presented and discussed at the May 20, 2020 BIC meeting.

Motion passed unanimously.

**10. Proposed Enhancements to the NYISO Peak Load Forecast and LSE Minimum Capacity Requirement Methodology** Ms. Ying Guo (NYISO) reviewed the presentation included with the meeting material.

Mr. Aaron Breidenbaugh (Consumer Power Advocates) asked what impact the proposed revisions have with respect to the allocation of capacity requirements among Load Serving Entities (LSEs). Mr. Nate Gilbraith (NYISO) stated that the proposal is intended to provide for greater alignment of capacity requirement allocations among LSEs to periods reflective of when the NYISO anticipates peak load conditions to typically occur (<u>i.e.</u>, peak load hour occurring on a non-weekend, non-holiday hour).

Mr. David Ahrens (Energy Spectrum) asked whether the NYISO's allocation of capacity requirements to LSEs is consistent with the methodology used by utilities for allocating capacity requirements to retail electric customers. Mr.Gilbraith stated that the NYISO's current understanding is that utilities utilize the peak load hour determined by the NYISO for purposes of allocating capacity requirements to retail electricity customers.

# Motion #8:

The Business Issues Committee ("BIC") hereby recommends that the Management Committee approves revisions to the NYISO Market Administration and Control Area Services Tariff ("MST") sections 2, 5.10, and 5.11, as presented at the May 20, 2020 BIC.

Motion passed unanimously with abstentions.

## 11. Working Group Updates

- <u>Billing and Accounting and Credit Working Group</u>: The group has met twice since the last BIC meeting. On April 24, 2020, the group met and reviewed the standard accounting/settlement reports, updates to the Decision Support System (DSS) related to settlements for energy storage resources, updates to the DSS related to Highway Facility Charge settlements under Rate Schedule 12 of the NYISO OATT, proposed revisions to the Accounting and Billing Manual related to settlements for energy storage resources, and proposed revisions to the Revenue Metering Requirements Manual. The group also met on May 8, 2020 and reviewed proposed enhancement to the credit security requirements for the Transmission Congestion Contracts (TCC) market.
- <u>Electric System Planning Working Group</u>: The group has met twice since the last BIC meeting. On April 23, 2020 the group met and reviewed proposed revisions to the Public Policy Transmission Planning Process Manual, the draft study report for the 2019 Congestion Assessment and Resource Integration Study (CARIS) Phase 1 analysis, results for the 70x30 scenario being conducted as part of the 2019 CARIS Phase 1 analysis, and a presentation by Analysis Group regarding the methodology and assumptions for the Phase II analysis being conducted as part of the ongoing climate change impact and resilience study project. The group also met on May 4, 2020 and reviewed the key study assumptions for the Generator Deactivation Assessment for the West Babylon 4 generation facility, and the draft study report for the 2019 CARIS Phase 1 analysis.
- <u>Installed Capacity Working Group</u>: The group has met jointly with MIWG and/or PRLWG seven times since the last BIC meeting. The group met on April 10, 2020 and reviewed proposed enhancements to the Part A exemption test of the buyer-side mitigation rules. On April 14, 2020, the group met and reviewed proposed enhancements related to ongoing monitoring and reporting of fuel security-related matters, an overview of potential options for developing a hybrid storage resource model, an overview of reliability considerations and potential enhancements in response to the ongoing transformation of the electric system, and proposed enhancements to the Part A exemption test of the buyer-side mitigation rules. The group met on April 22, 2020 and reviewed a presentation by Analysis Group regarding assumptions related to financial parameters, dual fuel capability and emissions controls for peaking plant technology options and estimating net energy and ancillary services revenues for various peaking plant technology options in connection with the ongoing 2019-2020 ICAP Demand Curve reset process, a presentation by Burns & McDonnell regarding capital cost estimates for various peaking plant technology Options 2019-2020 ICAP Demand Curve reset process, a presentation by Cricket Valley Energy Center regarding Analysis Group's assumptions for financial parameters in connection with the

ongoing 2019-2020 ICAP Demand Curve reset process, and an initial draft of the 2020 Master Plan outlining a strategic vision for market design initiatives over the next five years. The group met on April 27, 2020 and reviewed proposed enhancements to the methodology for determining the statewide peak load hour and the allocation of capacity requirements to Load Serving Entities. On May 11, 2020, the group met and reviewed an update regarding the of the comprehensive mitigation review initiative for the capacity market, and potential options and interconnection considerations for developing a hybrid storage resource model. The group met on May 18, 2020 and reviewed a presentation by The Brattle Group regarding initial results of its analysis to assist in determining potential wholesale market impacts of anticipated changes to the electric system through 2040 in response to the requirements of the Climate Leadership and Community Protection Act (CLCPA). The group also met on May 19, 2020 and reviewed the draft 2020 Master Plan outlining a strategic vision for market design initiatives over the next five years, a presentation by Analysis Group regarding updated assumptions and preliminary results for the ongoing 2019-2020 ICAP Demand Curve reset process, a presentation by Burns & McDonnell regarding capital cost estimates to construct various peaking plant technology options as part of the ongoing 2019-2020 ICAP Demand Curve reset process, and a presentation by CPV regarding considerations for gas pricing assumptions for Load Zone G used in estimating net energy and ancillary services revenues for various peaking plant technology options in connection with the ongoing 2019-2020 ICAP Demand Curve reset process.

- <u>Load Forecasting Task Force</u>: The group met on April 13, 2020 and reviewed impacts on load patterns and energy consumption related to the ongoing COVID-19 pandemic, and the load forecast uncertainty models for the 2021-2022 Capability Year installed reserve margin analysis.
- Market Issues Working Group: The group has met jointly with ICAPWG and PRLWG six times since the last BIC • meeting. The group met on April 14, 2020 and reviewed proposed enhancements related to ongoing monitoring and reporting of fuel security-related matters, updates to the comprehensive bid management system related to the bidding requirements for energy storage resources participating in the wholesale energy and ancillary services markets, an overview of potential options for developing a hybrid storage resource model, and an overview of reliability considerations and potential enhancements in response to the ongoing transformation of the electric system. On April 22, 2020, the group met and reviewed a presentation by Calpine regarding a proposal to develop on-peak and off-peak TCC products, and an initial draft of the 2020 Master Plan outlining a strategic vision for market design initiatives over the next five years. The group met on April 27, 2020 and reviewed a proposal to increase the current 30-minute reserve requirement for the Southeastern New York (SENY) reserve region, the proposed methodology for conducting the Consumer Impact Analysis related to the proposal to increase the current 30-minute reserve requirement for the SENY reserve region, proposed enhancements to the current reserve shortage pricing values and reserve demand curves, and proposed revisions to the scheduling of energy storage resources during reserve pickup events. On May 11, 2020, the group met and reviewed potential options and interconnection considerations for developing a hybrid storage resource model, and a presentation by Vitol regarding a proposal to develop more granular, time-differentiated TCC products. The group met on May 18, 2020 and reviewed a presentation by The Brattle Group regarding initial results of its analysis to assist in determining potential wholesale market impacts of anticipated changes to the electric system through 2040 in response to the requirements of the CLCPA. On May 19, 2020, the group met and reviewed the draft 2020 Master Plan outlining a strategic vision for market design initiatives over the next five years.
- <u>Price Responsive Load Working Group</u>: The group met jointly with ICAPWG and/or MIWG seven times since the last BIC meeting (<u>i.e.</u>, April 10, 2020, April 14, 2020, April 22, 2020, April 27, 2020, May 11, 2020, May 18, 2020, and May 19, 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.

#### 12. New Business

There was no new business.

Meeting adjourned at 11:30 a.m.

# Business Issues Committee May 20, 2020 Final Motions

Motion #1:

Motion to approve the April 8, 2020 BIC Minutes.

Motion passed unanimously.

## Motion #2:

The Business Issues Committee ("BIC") hereby approves the revisions to the Accounting & Billing Manual as described in the presentation to the BIC on May 20, 2020.

Motion passed unanimously with abstentions.

# Motion #3

The Business Issues Committee ("BIC") hereby approves the revisions to the Revenue Metering Requirements Manual as described in the presentation to the BIC on May 20, 2020.

Motion passed unanimously with abstentions.

## Motion #4:

The Business Issues Committee ("BIC") hereby approves the revisions to the Public Policy Transmission Planning Process Manual, NYISO Manual No. 36, as presented and discussed at the BIC meeting held on May 20, 2020.

Motion passed unanimously with abstentions.

## Motion #5:

The Business Issues Committee ("BIC") hereby approves revisions to the BIC By-Laws as presented and discussed at the May 20, 2020 BIC meeting.

Motion passed unanimously with abstentions.

# Motion #6:

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Motion passed unanimously with abstentions.

# Motion #7:

The Business Issues Committee ("BIC") hereby recommends that the Management Committee approve changes to Section 4.4.3.1.1 of the Services Tariff, as presented and discussed at the May 20, 2020 BIC meeting.

Motion passed unanimously.

# Motion #8:

The Business Issues Committee ("BIC") hereby recommends that the Management Committee approves revisions to the NYISO Market Administration and Control Area Services Tariff ("MST") sections 2, 5.10, and 5.11, as presented at the May 20, 2020 BIC.

Motion passed unanimously with abstentions.

# New York Independent System Operator - Committee Membership

# Business Issues Committee - May 20, 2020 - Teleconference - Parties Checked in Attendance

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
storia Energy LLC	Generation Owners	McCall, Chuck	Browne, Scott	Habib , Phillipe	Singer, Leonard						
yonne Energy Center, LLC	Generation Owners	Allman, Ellen									
V Valley LLC	Generation Owners	Litchfield , Matt	Rumsey, Tom	Pierpont, Daniel							
lpine	Generation Owners	Kruse, Brett	Reitmeyer, Jay	Flumerfelt, John	Schleimer, Steve	Schwall , Matthew					
vanta Niagara, LP	Generation Owners	Burke, David	Abbott, Sharon								
icket Valley Energy Center	Generation Owners	Davis, Charles	Wallenstein, Arnold	Paryl, Ron							
press Creek Renewables	Generation Owners	Kemp , Melissa	Eskew, Ollivia								
nskammer Energy, LLC	Generation Owners	Reid, William	Cada, Eric								
P Renewables North America LLC	Generation Owners	Brodbeck , John	Loturco, Thomas	High , Jeremy	Priemer, Dustin						
st Coast Power, LLC	Generation Owners	Shanker, Roy	Fogarty, Thomas	McEachern, Ben	Franzetti, Paul						
pire Generating Co, LLC	Generation Owners	Morris, Chandler	Maida , Jeff	Hudson, Daniel							
ergy Nuclear Northeast	Generation Owners	Dell Orto , Ken	Saia, Doreen	Bergeron, John							
lePath Power Solutions LLC	Generation Owners	McKissack, Chris	Baur, Sean	Vickery, Chris	Labij, Denis	Braun , Gary					
ix Ravenswood LLC	Generation Owners	D'Andrea, James	Kline , Marc	DiBari , Dominic							
ward Wind LLC	Generation Owners	Smith, David	Brocks, Annette	Rohrbach, John							
eck Energy Services, Inc.	Generation Owners	Ferguson, Mike	Vounger, Mark								
ovative Energy Systems	Generation Owners	Zeliff, Peter	Henningham, Scott								
energy Energy Management LLC	Generation Owners	Bangston, Kaley	Goldstein, Michael	Orzel, Chris							
Capture Energy	Generation Owners	Galarneau, Kenneth	Goldwasser, Rachel	Fitzgerald, Dan							
ional Grid Generation LLC	Generation Owners	Kain, Terrence	McCabe, Brian								
th East Offshore, LLC	Generation Owners	Reynolds , Melissa									
kirk Cogen Partners, LP	Generation Owners	Biittig, Timothy									
nerset Operating Company, LLC	Generation Owners	Gregson, Brian	Goodenough, Jeery	Love, Jordan							
Energy LLC	Other Suppliers	Ni, Bing	Lee, George								
Energy Company	Other Suppliers	Ellis, Dean	Chintapalli , Raj	🗸 Ackerman, Alan							
okfield Energy Marketing L.P.	Other Suppliers	LaRoe , Chris	Talamo, Marco	Dziedzic, Tomasz	Madonna , Phil						
tleton Commodities Merchant Trading L.P.	Other Suppliers	Stuss , Gordon	Romine, Brad	Emmett, Robert							
group Energy Inc.	Other Suppliers	Gollomp , Jeffrey	Bisaria, Shikher								
solidated Edison Energy, Inc.	Other Suppliers	Mah, Norman	Dannels, Jeff								
nstellation New Energy	Other Suppliers	Barlette, Richard	Kirk, Steven								
ss Sound Cable Company, LLC	Other Suppliers	Reinhart, Brian	Rotger, Jose								
Energy	Other Suppliers	Bleiweis, Bruce	Stevens, Andrew	Tate, Matthew	Milberg, Sadao	Jeev , Kumar					
E Energy	Other Suppliers	German , Robert	Pakela, Gregory								
ect Energy Business Marketing, LLC	Other Suppliers	Newton , Jonathan	Carrier, Ron	Morris, Sandra							
negy Marketing and Trade	Other Suppliers	Weinstein, Andrew	Allen, Sean								
EL X	Other Suppliers	Geller , Greg	Chibani, Yanis								
GIE Energy Marketing NA, Inc.	Other Suppliers	Levine, Jeffrey	Hawkins, Darin	Campbell, Chad							
tern Generation	Other Suppliers	Baker, Liam	Reese, John	Vounger, Mark	Schwall , Matthew	Johnson , David	Wolcott, Tyler				
ergy Spectrum	Other Suppliers	David, Gary	🗸 Ahrens, David	Neiburg, David	Iskowitz, Aron	Brown, Ruben	Pentland, William	Villegas, Cristina	Cinadr , Matt		
rgy Technology Savings Inc. d/b/a Logical ldings	Other Suppliers	Hendler, Jeff	Ross, Valerie								
lon Generating Co. LLC	Other Suppliers	Barlette, Richard	Kirk , Steven								
Power	Other Suppliers	Fernands, Rochelle	Ackerman, Alan								
Energy Services US	Other Suppliers	Plante, Matthieu	Leuthauser, Scott	Guilbault, Louis	Bélanger, Frédéric						
oventive Power	Other Suppliers	Gruber , Craig	Halford, Steve								
curia Energy America, Inc.	Other Suppliers	Davis, Andrew	Vounger, Mark	Frye, Samuel							
gan Stanley Capital Group, Inc.	Other Suppliers	Kochonies, Karen	Meditz, Alex	Grimes, Jordan							
G Power Marketing Inc.	Other Suppliers	Fitch , Neal	Hsia, Jennifer	Cona , Lisa	Kranz , Bradley						
York Transco	Other Suppliers	Mullin , Victor	Caso , Rob	Carrigan, Kathleen	Camp, Adam						
Era Energy	Other Suppliers	🗸 Applebaum, David	Talbot, Soria	Gibelli, Stephen							
rio Power Generation, Inc.	Other Suppliers	Lauritsen , Kim									
G Energy Resource & Trade, LLC	Other Suppliers	Fromer, Howard	DePillo, Raymond	Cimino , David	Dillon, George						
rbay Corporation	Other Suppliers	Merola, Peter	Ellison, Noel								
CO Enterprises, LLC	Other Suppliers	Schubiger, Michael	Thoresen, James								
Energy North America, LLC	Other Suppliers	Picardi, Matt									
hentown Spindle, LLC	Other Suppliers	Streeter, Christopher									
n Energy	Other Suppliers	Toomey, Megan	Hohenshilt, Jennifer	Labella , Julie	Raggio , Debra						
dity Energy, Inc.	Other Suppliers	Freifeld, Allen									
l Inc.	Other Suppliers	Wadsworth, Joe	Viola , Bob	Kahn, Casey							
Energy NY, LP	Other Suppliers	Drangula , Carey	Thompson, Matthew	Hughes, Adam							

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate
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	5 /				
Association for Energy Affordability	Small Consumer	Strauss, Valerie	Hepinstall, David	Morris, Jackson				
Beth Israel Health Care System	Small Consumer	Luthin, Catherine	Breidenbaugh, Aaron	Lang, Kevin	Mager, Michael	Trinsey, Amanda		
Fordham University	Small Consumer	Luthin, Catherine	Breidenbaugh, Aaron	🗸 Lang, Kevin	Mager, Michael	Trinsey, Amanda		
Memorial Sloan Kettering Cancer Center	Small Consumer	Luthin, Catherine	Breidenbaugh, Aaron	Lang, Kevin	Mager, Michael	Trinsey, Amanda		
Mount Sinai Medical Center	Small Consumer	Luthin, Catherine	Breidenbaugh , Aaron	Lang, Kevin	Mager, Michael	Trinsey, Amanda		
New York University	Small Consumer	Luthin, Catherine	Breidenbaugh , Aaron	✓ Lang, Kevin	Mager, Michael	Trinsey, Amanda		
Utility Intervention Unit, Division of Consumer	Government Statewide Consumer Advocate	·	0		Truger, miniaci	rinocy, rinanda		
Protection, NY Dept. of State	Constitution Statewide Constitute Auvocate	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	Ventlent, 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	Ventlent, 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	Kumaraswarmy , 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	Laigh Margua		
Appian Way Energy Partners East, LLC Ardor Energy LLC	Non Voting Non Voting	Levy , Tal Breen , Erika	Klein , Abram	Shen, Dong	Westlund , John	Laich, Marcus		
Avangrid Renewables, Inc.	Non Voting	Kilgallen, Kevin	Sokolski, Adam					
Bakerstand Solar, LLC	Non Voting	Caplan, Michael	Bokolski , ridulli					
Boston Energy Marketing & Trading	Non Voting	Kramek, Mike						
Bruce Power	Non Voting	Jain , Anshul	Meyer, Sandra					
CPower	Non Voting	Jotson-Westphalen, Peter	=	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			
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					

e6	Alternate7	Proxy	Guest
		110129	

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6
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		

6	Alternate7	Proxy	Guest