NYISO Business Issues Committee Meeting Minutes November 14, 2018 10:00 a.m. – 12:00 p.m.

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

Mr. Andrew Antinori (NYPA) called the meeting to order at 11:00 a.m. by welcoming the members of the BIC. The members of the BIC identified themselves and attendance was recorded. A quorum was determined.

2. Approval of BIC Minutes

There were no questions or comments regarding the draft minutes for the October 10, 2018 meeting that were included with the meeting material.

Motion #1:

Motion to approve the meeting minutes from October 10, 2018 BIC meeting.

Motion passed unanimously.

3. BIC Vice Chair Election for 2018-2019

Mr. Chris Wentlent (MEUA/NYMPA) was elected to serve as the BICVice Chair for the 2018-2019 term.

4. Market Operations Report and Broader Regional Markets Report

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

Mr. Mukerji reviewed the Broader Regional Markets report included with the meeting material. There were no questions or comments regarding the Broader Regional Markets report.

5. T&D Manual Updates for FERC Order 831

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

Ms. Doreen Saia (Greenberg Traurig) asked for confirmation that software deployment related to the revised offer cap is currently anticipated to be deployed on December 18, 2018. Mr. Singh confirmed that software deployment to implement the requirements related to FERC Order No. 831 is currently planned to occur on December 18, 2018.

Mr. Howard Fromer (PSEG) asked for confirmation that the related tariff revisions addressing the proposed changes to the offer cap have already been accepted by FERC and that the software deployment is all that remains in order to make the changes effective. Mr. Singh stated that the tariff revisions related to implementing the requirements of FERC Order No. 831 have already been accepted by FERC.

Motion #2:

The Business Issues Committee ("BIC") hereby approves the Transmission and Dispatch Operations Manual revisions as presented and discussed at the November 14, 2018 BIC meeting. The Transmission and Dispatch Operations Manual revisions, as discussed in the "FERC Order 831 Compliance Offer Caps-T&D Manual Update" presentation, will be implemented the same day as the related Services Tariff revisions accepted by FERC in Docket No. ER17-1561.

Motion passed unanimously.

6. Automate ICAP Import Rights

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

Motion #3

The Business Issues Committee (BIC) hereby approves the revisions to the Installed Capacity Manual as presented and discussed at the November 14, 2018 meeting.

Motion passed unanimously.

7. DADRP Manual Update: FERC Order 745 Update

Mr. Sarthak Gupta (NYISO) reviewed the presentation included with the meeting material.

Mr. Fromer asked for confirmation that the Monthly Net Benefit Offer Floor value for November 2018 has been posted to the NYISO's website and requested additional information regarding how the value was calculated. Mr. Gupta stated that the Monthly Net Benefit Offer Floor values posted to the NYISO's website for November 2018 is \$38.36 and \$59.25 for December 2018. Mr. Gupta also provided an overview of the methodology for calculating the Monthly Net Benefit Offer Floor value.

Mr. Mark Younger (Hudson Energy Economics) asked if the methodology for calculating the Monthly Net Benefit Offer Floor value is publicly available. Mr. Gupta stated that the methodology is described in Technical Bulletin No. 245. Mr. Shaun Johnson (NYISO) stated that the NYISO is continuing to assess the calculation methodology and has already identified a potential enhancement that it intends to discuss with stakeholders in the near future. Mr. Younger and Ms. Erin Hogan (UIU) requested that the NYISO provide a follow-up presentation at a future MIWG/ICAPWG meeting to review the methodology for calculating the Monthly Net Benefit Offer Floor value.

Motion #4:

The Business Issues Committee ("BIC") hereby approves the Day-Ahead Demand Response Program Manual revisions as presented and discussed at the November 14, 2018 BIC meeting.

Motion passed unanimously with an abstention.

8. Working Group Updates

- Billing and Accounting and Credit Working Group: The group met on October 19, 2018 and reviewed the standard accounting/settlement reports, updates to the weekly and monthly invoice ICAP detail report related to reliability must run contract settlements, and proposed changes to the credit requirements for Fixed Price TCCs.
- <u>Electric System Planning Working Group</u>: The group has met twice since the last BIC meeting. The group met on October 24, 2018 and was provided an update from Con Edison on the status of the B-3402 and C-3403 transmission lines. On November 6, 2018, the group met jointly with MIWG and ICAPWG and reviewed an introductory overview of the 2019 fuel and energy security assessment project.
- Installed Capacity Working Group: The group has met five times since the last BIC meeting. On October 10, 2018, the group met jointly with MIWG and PRLWG and reviewed a proposal regarding changes to capacity market rules related to the results from GE Energy Consulting's assessment of the capacity value of resources with energy limitations, and an overview of the NYISO's Small Generator Interconnection Procedures. The group met jointly with MIWG on October 18, 2018 and reviewed proposed revisions to the Installed Capacity Manual related to the automation of the capacity import rights process, proposed performance requirements for external capacity resources in response to a Supplemental Resource Evaluation (SRE) request, the 2019 transmission security limit (TSL) report, and an update regarding the implementation of the alternative methodology for determining Locational Minimum Installed Capacity Requirements (LCRs). On October 23, 2018, the group met jointly with MIWG and PRLWG and reviewed the proposed interconnection and Capacity Resource Interconnection Service (CRIS) requirements for distributed energy resources (DER), and a conceptual proposal regarding the development of a new metering service entity (MSE) construct for providing metering services to DER. The group met jointly with MIWG on November 5, 2018 and reviewed preliminary, informational results for 2019-2020 LCRs utilizing the alternative methodology for determining LCRs. On November 6,

2018, the group met jointly with MIWG and ESPWG and reviewed an introductory overview of the 2019 fuel and energy security assessment project.

- Electric Gas Coordination Working Group: The group has not met since the last BIC meeting.
- Load Forecasting Task Force: The group has met twice since the last BIC meeting. On October 25, 2018, the group held its annual Fall Economic Conference and reviewed national and New York economic outlook reports by Moody's Analytics. The group also met on November 9, 2018 and reviewed the preliminary 2018 weather normalized coincident peak loads to be used in determining the 2019-2020 capacity market peak load forecast, and an overview of the study scope for the 2019 climate change impact and resilience study project.
- Market Issues Working Group: The group has met six times since the last BIC meeting. The group met jointly with ICAPWG and PRLWG on October 10, 2018 and reviewed an overview of the NYISO's Small Generator Interconnection Procedures, the proposed telemetry requirements for DER participating in the wholesale markets, and updates to the requirements for DER participating in the energy and ancillary services markets. On October 18, 2018, the group met jointly with ICAPWG and reviewed proposed clarifying revisions to certain tariff provisions addressing balancing energy settlements. The group met jointly with ICAPWG and PRLWG on October 23, 2018 and reviewed the proposed interconnection and CRIS requirements for DER, and a conceptual proposal regarding the development of a new MSE construct for providing metering services to DER. On October 26, 2018, the group met and reviewed the proposed requirements for energy storage resources (ESRs) to participate in the energy and ancillary services markets. The group met jointly with ICAPWG on November 5, 2018 and reviewed proposed revisions to the Transmission and Dispatch Operations Manual to address the NYISO's rules for complying with FERC Order No. 831 addressing energy market offer caps, and updates to the requirements for DER aggregations participating in the energy and ancillary services markets. On November 6, 2018, the group met jointly with ICAPWG and ESPWG and reviewed an introductory overview of the 2019 fuel and energy security assessment project.
- Price Responsive Load Working Group: The group has met three times since the last BIC meeting. On October 10, 2018, the group met jointly with MIWG and ICAPWG and reviewed a proposal regarding changes to capacity market rules related to the results from GE Energy Consulting's assessment of the capacity value of resources with energy limitations, and the other DER-related agenda topics. The group also met jointly with MIWG and ICAPWG on October 23, 2018 and November 5, 2018 and reviewed the DER-related agenda topics for each meeting.

9. New Business

Mr. Dave O'Brien (NYISO) stated that the deployment of the revised public website is planned for December 5, 2018 and noted that a customer focus group will be held on November 19, 2018 to preview the revised public website.

Mr. Younger asked the NYISO to provide additional information regarding the recent announcement of the withdrawal of the Generator Deactivation Notice for the Pilgrim GT1 and GT2 units. Mr. Johnson confirmed that the Pilgrim GT1 and GT2 units recently withdrew their prior Generator Deactivation Notice, and in accordance with the requirements of the tariff, the NYISO concluded the Generator Deactivation Process with respect to the units without further action. Mr. Younger asked whether the MMU has been involved in the process. Mr. Johnson confirmed that the MMU has been involved in the Generator Deactivation Process related to the Pilgrim GT1 and GT2 units.

The meeting adjourned at 12:00 p.m.

Business Issues Committee November 14, 2018 Final Motions

Motion #1:

Motion to approve the October 10, 2018 BIC Minutes.

Motion passed unanimously.

Motion #2:

The Business Issues Committee ("BIC") hereby approves the Transmission and Dispatch Operations Manual revisions as presented and discussed at the November 14, 2018 BIC meeting. The Transmission and Dispatch Operations Manual revisions, as discussed in the "FERC Order 831 Compliance Offer Caps-T&D Manual Update" presentation, will be implemented the same day as the related Services Tariff revisions accepted by FERC in Docket No. ER17-1561.

Motion passed unanimously.

Motion #3

The Business Issues Committee (BIC) hereby approves the revisions to the Installed Capacity Manual as presented and discussed at the November 14, 2018 meeting.

Motion passed unanimously.

Motion #4:

The Business Issues Committee ("BIC") hereby approves the Day-Ahead Demand Response Program Manual revisions as presented and discussed at the November 14, 2018 BIC meeting.

Motion passed unanimously with an abstention.

Chris Wentlent was elected Vice Chair for 2018-2019

New York Independent System Operator - Committee Membership

Business Issues Committee - November 14, 2018 - NYISO - 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	Yang, Sue	✓ Caplan, Stu							
CPV Valley LLC	Generation Owners	Litchfield , Matt	Rumsey, Tom								
Calpine	Generation Owners	Kruse, Brett	Reitmeyer, Jay	Flumerfelt, John	Schleimer, Steve						
Cricket Valley Energy Center	Generation Owners	Davis, Charles	Wallenstein, Arnold	Paryl, Ron							
Danskammer Energy, LLC	Generation Owners	Reid, William	Cada, Eric								
EDP Renewables North America LLC	Generation Owners	Brodbeck, John	Kaplan, Seth	Nemeth , Jeffrey	High, Jeremy	Priemer, Dustin					
East Coast Power, LLC	Generation Owners	Shanker, Roy	Fogarty, Thomas	Lee, Tina	Franzetti , Paul						
Empire Generating Co, LLC	Generation Owners	Nuss , Kurt	Argetsinger , Andrew	Willson, Darrell	Swenson, Nils						
Entergy Nuclear Northeast	Generation Owners	Dell Orto , Ken	✓ Saia, Doreen	Bergeron , John							
Helix Ravenswood LLC	Generation Owners	D'Andrea , James	Kline, Marc	DiBari , Dominic							
Howard Wind LLC	Generation Owners	Merich , Olivia	Rugh , Chris								
Indeck Energy Services, Inc.	Generation Owners		Younger, Mark								
Innovative Energy Systems	Generation Owners	Zeliff, Peter	Henningham, Scott								
Invenergy Energy Management LLC	Generation Owners	Pakula , Maggie	Goldstein, Michael	Orzel , Chris							
National Grid Generation LLC	Generation Owners	Kain , Terrence	McCabe, Brian								
Noble Environmental Power LLC	Generation Owners	Silton , Harry	D 1								
Selkirk Cogen Partners, LP	Generation Owners	Biittig, Timothy	Ryan , James	Evanaski Dava							
Somerset Operating Company, LLC BJ Energy LLC	Generation Owners Other Suppliers	Gregson , Brian Ni, Bing	Goodenough, Jeery Lee, George	Evanoski, Dave							
BP Energy Company	Other Suppliers	Chintapalli , Raj	Magruder, Kathy	✓ Ackerman, Alan							
BioUrja Power, LLC	Other Suppliers	Moore, Cody	Ward, Roxie	* Ackerman, Alan							
BlueRock Energy, Inc.	Other Suppliers	Nichols , Jim	Yeager, Keith	VanHorne, Phil	Graham , Tammy						
Brookfield Energy Marketing L.P.	Other Suppliers	LaRoe , Chris	Mitreski , Aleksandar	Mitelman, Rimma	Dallaire, Eric						
CPower	Other Suppliers	Dotson-Westphalen , Peter	Hourihan , Michael	Damaskos , Deno	Campbell , Bruce						
Castleton Commodities Merchant Trading L.P.	Other Suppliers	Stuss , Gordon	Romine , Brad	Emmett, Robert	Campoen , Bruce						
Citigroup Energy Inc.	Other Suppliers	✓ Trayers, Barry	romme, Brau	Zamilett , Robert							
Con Edison Solutions Inc.	Other Suppliers	Mah, Norman	Dannels , Jeff								
Constellation New Energy	Other Suppliers	Barlette , Richard	Kirk , Steven								
Cross Sound Cable Company, LLC	Other Suppliers	Reinhart, Brian	Rotger, Jose								
DC Energy	Other Suppliers	✓Bleiweis, Bruce	Stevens, Andrew	Tate, Matthew	Milberg, Sadao	Jeev , Kumar					
DTE Energy	Other Suppliers	Pakela, Gregory	Wieszczyk, Raymond	✓German , Robert	<i>O</i> ,	,					
Direct Energy Business Marketing, LLC	Other Suppliers	✓ Galarneau , Kenneth	Philips , Marjorie	Comstock, Read							
Drift Marketplace, Inc.	Other Suppliers	Tilley , Alan	Robinson, Greg	Complete , reduc							
Dynegy Marketing and Trade	Other Suppliers	Frazier , Amanda	Allen, Sean								
EDF Trading North America, LLC	Other Suppliers	Erbrick , Michael	LeForce, Randall								
ENGIE Energy Marketing NA, Inc.	Other Suppliers	Levine , Jeffrey	Hawkins , Darin	Campbell, Chad							
Eastern Generation	Other Suppliers	Baker, Liam	Reese, John	✓Younger, Mark	Schwall , Matthew	Johnson, David	Wolcott, Tyler				
EnerNoc	Other Suppliers	Brewster, David	Geller , Greg	-							
Energy Spectrum	Other Suppliers	David, Gary	✓ Ahrens, David	Neiburg, David	Iskowitz, Aron	Brown, Ruben	Pentland, William	Villegas, Cristina	Cinadr , Matt		
Energy Technology Savings	Other Suppliers	Hendler, Jeff	Ross , Valerie								
Exelon Generating Co. LLC	Other Suppliers	Barlette, Richard	Kirk, Steven								
Galt Power	Other Suppliers	Fernands, Rochelle	✓ Ackerman, Alan								
HQ Energy Services US	Other Suppliers		✓ Leuthauser, Scott	Guilbault, Louis	Bélanger , Frédéric						
Innoventive Power	Other Suppliers	Gruber, Craig	Halford, Steve								
Lyonsdale Biomass, LLC	Other Suppliers	Ralston , William	Hebel, Nathan	Carrigan , Kathleen							
Mercuria Energy America, Inc.	Other Suppliers		✓Younger, Mark	Frye , Samuel							
Morgan Stanley Capital Group, Inc.	Other Suppliers	Murray, Patrick	Kochonies, Karen	Ezickson, Doron							
NRG Power Marketing Inc.	Other Suppliers	Hsia , Jennifer	Cona , Lisa	Kranz , Bradley							
New York Transco	Other Suppliers	Nachmias, Stuart	Hitti , Nabil	Caso , Rob	Carrigan, Kathleen	Dumais , Paul	McKinney , Jeff				
NextEra Energy	Other Suppliers	Applebaum, David	Gardner, Michelle	Gibelli , Stephen							
Ontario Power Generation, Inc.	Other Suppliers	Lacivita, Ken	Gell, Richard	Barr, David	Sheinfield, Joel						
PSEG Energy Resource & Trade, LLC	Other Suppliers	Fromer, Howard	DePillo, Raymond	Cimino , David	Murawski , James						
Riverbay Corporation	Other Suppliers	Merola, Peter	Ellison , Noel								
SESCO Enterprises, LLC	Other Suppliers	Schubiger, Michael	Thoresen, James								
Shell Energy North America, LLC	Other Suppliers	Picardi, Matt									
Talen Energy	Other Suppliers	Toomey, Megan	Hohenshilt , Jennifer	Labella , Julie	Raggio, Debra						
TransCanada Power Marketing, Ltd.	Other Suppliers	Cahill , Paul	Schuler, Richard	Murphy , Tonya							
Viridity Energy, Inc.	Other Suppliers	Freifeld, Allen						1			I

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
itol Inc.	Other Suppliers	Wadsworth , Joe	Viola, Bob	Kahn, Casey							
D Energy NY, LP	Other Suppliers	Drangula, Carey	Thompson, Matthew	Hughes , Adam							
ntral Hudson Gas & Electric Corp.	Transmission Owners	Borchert , John	Chan, Ting	✓May , Jeff	Dittmann, David						
onsolidated Edison Co. of NY, Inc.	Transmission Owners	✓ Quin , Jane	Nachmias, Stuart	Butler, Scott	Hargett , Chris	Butterklee, Neil					
ational Grid	Transmission Owners	✓Janzen , Margaret	Lodemore, David	Carron, Benjamin							
ew York State Electric & Gas (NYSEG)	Transmission Owners	✓ Caletka, Patricia	Lynch, Tim	Brophy , Richard		1					
range & Rockland Utilities, Inc.	Transmission Owners	- Caretau, Furreiu	2,, 11111	Diophy , Richard							
ochester Gas and Electric Corp.	Transmission Owners	✓Caletka, Patricia	Lynch, Tim	Brophy , Richard							
-	Large Consumer				Lon- W						
lcoa, Inc.		Mager, Michael	Loughney, Robert	Trinsey , Amanda	Lang, Kevin	+					
BM Corporation	Large Consumer	Mager, Michael	Loughney, Robert	Trinsey, Amanda	Lang, Kevin						
Jucor Steel Auburn, Inc.	Large Consumer	Brew , James	Mackaronis , Chris	100							
ccidental Chemical Corp.	Large Consumer	Mager, Michael	Loughney, Robert	✓ Trinsey, Amanda	Lang, Kevin						
egmans Food Markets	Large Consumer	Mager, Michael	Loughney, Robert	Trinsey, Amanda	Lang, Kevin						
etropolitan Transportation Authority	Large Consumer Government Agency	Keller, David	Chou, Frances								
merican Sugar Refining, Inc	Small Consumer	Luthin, Catherine	Breidenbaugh, Aaron	Lang, Kevin	Mager, Michael	√ Trinsey , Amanda					
ssociation for Energy Affordability	Small Consumer	Strauss , Valerie	Hepinstall, David	Farmer, Miles							
eth Israel Health Care System	Small Consumer	Luthin, Catherine	Breidenbaugh, Aaron	Lang, Kevin	Mager, Michael	√Trinsey , Amanda					
ordham University	Small Consumer	Luthin, Catherine	Breidenbaugh, Aaron	Lang, Kevin	Mager, Michael	✓ Trinsey , Amanda					
lemorial Sloan Kettering Cancer Center	Small Consumer	Luthin, Catherine	Breidenbaugh , Aaron	Lang, Kevin	Mager, Michael	✓ Trinsey , Amanda					
Iount Sinai Medical Center	Small Consumer	Luthin, Catherine	Breidenbaugh , Aaron	Lang, Kevin	Mager, Michael	✓ Trinsey , Amanda					
ew York University	Small Consumer	Luthin, Catherine	Breidenbaugh , Aaron	Lang, Kevin	Mager, Michael	Trinsey , Amanda					
tility Intervention Unit, Division of Consumer	Government Statewide Consumer Advocate	1 -			_	Timisty, Amanda					
rotection, NY Dept. of State	Government Statewide Consumer Advocate	✓ Hogan , Erin	Montalvo, Marc	Loiacono, Matthew	O'Hare , Katie						
ity of New York	Government Small Consumer and Retail	Lang, Kevin	Mager, Michael	✓ Trinsey, Amanda							
DIGE D 105	Aggregate		gor, minimor	- Imoej , imanda							
YS Energy Research & Dev. Authority	Government Small Consumer and Retail Aggregate	✓ Hall , Christopher	Coup, David	Mas , Carl	Wilcox, James	Matteson, Schuyler					
ong Island Power Authority	State Power Authorities	✓Clarke, Dave	Wilczek, Mariann								
ew York Power Authority	State Power Authorities	Antinori , Andrew	✓ Cordi , John	Kane, James	✓ Mahoney, Daniel	1					Haake, Glenn
ath Electric, Gas & Water Systems	Municipalities and Coops	1	✓ Wentlent, Chris	·	Transity, Daniel						Trauxe, Orellii
·		Bonacci , Erin		Cordeiro, Mark	Ein Cit						
reeport Electric	Municipalities and Coops	Livingston , Al	Kimlingen, Ted	Rudebusch, Tom	Fiore , Chris						
amestown Board of Public Utilities	Municipalities and Coops	Sellstrom , Kris	Leathers, David	Allen , Cory	✓ Rudebusch, Tom						
ake Placid Village	Municipalities and Coops	Daby , Kimball	✓ Wentlent, Chris	Cordeiro, Mark							
unicipal Commission of Boonville	Municipalities and Coops	Varner, Doug	✓ Wentlent, Chris	Cordeiro, Mark							
attsburgh Municipal Lighting Dept	Municipalities and Coops	Treacy, William	✓ Wentlent, Chris	Cordeiro, Mark							
illage of Arcade	Municipalities and Coops	Kilburn, Larry	Wentlent, Chris	Cordeiro, Mark							
illage of Fairport	Municipalities and Coops	Hegarty, Matt	✓Wentlent, Chris	Cordeiro, Mark							
illage of Rockville Centre	Municipalities and Coops	Andreas , Philip	Valenzano, Michael	✓ Rudebusch, Tom							
illage of Solvay	Municipalities and Coops	Hawksby , Joe	✓ Wentlent, Chris	Cordeiro, Mark		1					
illage of Westfield	Municipalities and Coops	Thompson , Andrew	Wentlent, Chris	Cordeiro, Mark		1					
			Reeder, Mark		Goggin , Michael	Grana Gara					
merican Wind Energy Association nvironmental Advocates	Environmental Environmental	Reynolds , Anne Bambrick , Conor	Farmer , Miles	Beck , Betsy Morris Jackson	Goggiii , Michael	Grace, Gene					
nvironmental Advocates	Environmental Environmental	Christian , Rory	Stein , Elizabeth	Morris, Jackson							
atural Resources Defense Council	Environmental Environmental	Farmer, Miles	Morris, Jackson	De Costanzo , Donna		•					
ACE Energy & Climate Center	Environmental Environmental	Musgrove , Sheryl	Taylor, Geordi	Farmer, Miles							
verkeeper	Environmental	Gallay, Paul	Jones , Abigail	Doran , Erin							
EP On-Site Partners, LLC	Non Voting	Jansen , Joel	Kakodkar, Guatam	20.mi, Dilli							
ES ES Holdings LLC	Non Voting	Hillman , Sharon	Kumaraswarmy , Kiran								
cadia Center	Non Voting	Howe , Cullen	, , minj , mini								
radia Energy Corporation	Non Voting	Rappaport , Jason	Bay , John								
liance for Clean Energy New York	Non Voting	Reynolds , Anne	Dufresne, Zach	Reeder, Mark							
abaric Northeast Transmission Development Co.	Non Voting	Sanderson , Barry	Kosel , Howard	, , , , , , , , , , , , , , , , , , , ,							
ppian Way Energy Partners East, LLC	Non Voting	Levy , Tal	Klein , Abram	Shen, Dong	Westlund, John	Laich, Marcus					
dor Energy LLC	Non Voting	Breen , Erika	, ,		,						
angrid Renewables, Inc.	Non Voting	Kilgallen, Kevin	Sokolski , Adam								
ston Energy Marketing & Trading	Non Voting	✓Kramek, Mike									
ice Power	Non Voting	Jain , Anshul	Meyer, Sandra								
ithness Energy LLC	Non Voting	Keevill , Gary	Alvarez , Asavari	Garber, Mitchell							
lpine Energy Solutions	Non Voting	Sun , Jungsuk	Nakhonthap , Jade	Sunga , Leonard							
nandaigua Power Partners, LLC	Non Voting	Keene , John	Gaddes, Caleb	, ,,							
abit Power One Inc.	Non Voting	Powell , Alan	Powell , Leighton	Singer, Leonard							
ustomized Energy Solutions	Non Voting	Mancini, Rick	Fernands, Stephen	Rexrode, Caryn	✓Ackerman, Alan						
	Non Voting	Kohlstedt , Kevin	Kemp, Melissa	,,	-		1				1

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
Earth Networks	Non Voting	Crawford , Jaden									
Ecesis LLC	Non Voting	Wu , Brian				İ					
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								
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								
Key Capture Energy	Non Voting	Fitzgerald, Dan	Bishop , Jeff								
MAG Energy Solutions, Inc.	Non Voting	Pelletier, Simon	Vezina, Alexandre								
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								✓ Heinrich, Bill
National Fuel Gas Distribution Corporation	Non Voting	Novak , Michael	Eck, Robert								
New Athens Generating Co. LLC	Non Voting	Tripp, Hank									
North America Transmission, LLC	Non Voting	Willick , Lawrence	York , Joshua			İ					✓ Hayes, Patrick
Northeast Clean Heat & Power Initiative	Non Voting	Venkataraman , Sree	Brown, Ruben	Cinadr , Matt	Dwyer , Herb						
Northline Utilities LLC	Non Voting	McKinney , Jeff	Danskin, Susan	,							
NuEnergen	Non Voting	Hamilton , Sandy	Korczykowski, Ryan								
Power Supply Services LLC	Non Voting	Phillips , Gabriel	Abend, Erik								
RBC Energy Services, LP	Non Voting	Burnham , Steve	Fraiture , Christian	Doolittle, Robin							
RENEW Northeast	Non Voting	Pullaro , Francis	Krich, Abigail								
RES Americas, Inc.	Non Voting	Fernandes, John	Boyd , Dan								
Red Wolf Energy Trading, LLC	Non Voting	Christian , Adam									
Richard P. Felak	Non Voting	Felak, Rich									
STEM, Inc.	Non Voting	Ko , Ted									
Saracen Energy East LP	Non Voting	Peebles , Andy									
Siemens Energy, Inc.	Non Voting	Feltes, James									
Stephentown Spindle, LLC	Non Voting	Hebert, Chris									
Taylor Biomass Energy, LLC	Non Voting	Taylor , Jim	Page , Allan								
Teichos Energy, LLC	Non Voting	Maclearnsberry, Kirk	VanCoevering , Darrel								
Tesla Motors, Inc.	Non Voting	Burson , Kate	Van Cleve , Sarah	Watson, Betty							
TransAlta Energy Marketing (U.S.) Inc.	Non Voting	Nivolianitis, Ted	Abend, Erik								
Transmission Developers Inc.	Non Voting	Jessome , Donald	Helmer, William	Harrison, Bob							
Transource New York, LLC	Non Voting	Burkholder , Joshua									
William P. Short	Non Voting	Short, William	Schaefer, Marc		Savage, Paul	Verna, Jim					