NYISO Business Issues Committee Meeting Minutes March 14, 2017 10:00 a.m. – 11:15 a.m.

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

Mr. Scott Butler (Con Edison) called the meeting to order at 10:00 a.m. by welcoming the members of the BIC. The members of the BIC identified themselves and attendance was recorded. A quorum was determined.

Mr. Butler reminded members to submit Sector meeting topics by Mach 17, 2017.

2. Approval of BIC Minutes

There were no comments or questions regarding the draft minutes for the February 8, 2017 meeting that were included with the meeting material.

Motion #1:

Motion to approve the February 8, 2017 BIC meeting minutes.

Motion passed unanimously.

3. Market Operations Report and Broader Regional Markets Report

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

Mr. Mukerji reviewed the Broader Regional Markets report included with the meeting material. Mr. Chris Mackaronis (Nucor Steele) and Mr. Dan Mahoney (NYPA) asked if the NYISO had discussions with PJM regarding the recent pseudo tie filing submitted by PJM to FERC. Mr. Mukerji stated that the NYISO has been in communication with PJM regarding this matter, PJM is aware of the NYISO's concerns regarding the pseudo tie concept, and discussions between PJM and NYISO regarding this issue are expected to be ongoing. Mr. Liam Baker (Eastern Gen) and Ms. Doreen Saia (Greenberg Traurig) asked if PJM's recent filing addressed the concerns that the NYISO has raised. Ms. Gloria Kavanah (NYISO) stated that the NYISO does continue to have concerns regarding PJM's filing and planned to file comments with FERC in response to PJM's filing.

4. Emergency Energy Transaction Charges with ISO-NE

Ms. Pallavi Jain (NYISO) reviewed the presentation included with the meeting material. There were no questions or comments.

Motion #2:

The Business Issues Committee ("BIC") hereby recommends that the Management Committee approve changes to the NYISO's Coordination Agreement with ISO-NE as more fully described in the "Emergency Energy Transaction Charges with ISO-NE" presentation made to the BIC on March 14, 2017.

Motion passed unanimously.

5. Transmission Constraint Pricing

Mr. Mike DeSocio (NYISO) reviewed the presentation included with the meeting material. Mr. Andy Peebles (Saracen) asked if future discussions regarding potential further enhancements to the NYISO's transmission constraint pricing logic would include an assessment of applying the third step of the graduated Transmission Shortage Cost as a demand curve rather than a price capping mechanism. Mr. DeSocio stated that the treatment of the third step of the graduated Transmission Shortage Cost would be considered as part of the discussions regarding potential further enhancements to the NYISO's transmission constraint pricing. Mr. DeSocio noted that the NYISO intends to begin discussions about further enhancements during Q3 2017.

Motion #3:

The Business Issues Committee ("BIC") hereby recommends that the Management Committee approve changes to the NYISO's Open Access Transmission Tariff ("OATT") and Market Services Tariff ("MST") with regard to the Transmission Constraint Pricing updates as more fully described in the presentation made to the BIC on March 14, 2017.

The motion passed unanimously with abstentions.

6. Real-Time Start-up Cost Treatment

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

Motion #4:

The Business Issues Committee ("BIC") hereby recommends that the Management Committee ("MC") approve revisions to the NYISO's Market Administration and Control Area Services Tariff ("MST") related to the treatment of Start-up Bids in the Real-Time market, as described in the presentation made to the BIC on March 14, 2017.

The motion passed unanimously.

7. ICAP Manual Updates

Mr. Zach T. Smith (NYISO) reviewed the presentation included with the meeting material.

Mr. Howard Fromer (PSEG) asked if the notification timeframe for generators engaging in capacity exports from Localities was designed to work with the timeframes of capacity auctions in neighboring regions. Mr. Smith indicated that the notification timeframe was designed to do so. Mr. Mark Younger (Hudson Energy Economics) sought clarification to confirm that if a generator previously provided notice to the NYISO of an export capacity transaction for a given month, it would only need to provide additional timely notification if there was any change from the prior notice. Mr. Smith confirmed that Mr. Younger's understanding was correct.

Motion #5:

The Business Issues Committee (BIC) hereby approves revisions to the Installed Capacity Manual as presented at the March 14, 2017 BIC meeting.

The motion passed unanimously with abstentions.

8. Reporting Affiliate Information

Mr. Jim Scheckton (NYISO) reviewed the presentation included with meeting material.

Mr. Fromer asked for clarification as to the origin of the affiliate definition and whether the NYISO had flexibility to consider potential revisions thereto in order to make the affiliate reporting requirements less burdensome for market participants. Mr. Scheckton stated that the affiliate definition is set forth in the tariffs.. Mr. Kevin Jones (Hunton and Williams) stated that affiliate reporting is required by FERC in connection with the independence principles for ISOs/RTOs and that the NYISO has had prior discussions with FERC about easing the burdens of the reporting process for market participants. These discussions helped facilitate the changes to the prohibited investment rules that were implemented in 2014. Mr. Jones noted, however, that, to date, FERC has not been overly receptive to great degrees of relaxation of the affiliate reporting requirements.

9. Working Group Updates

- <u>Billing and Accounting and Credit Working Group</u>: Mr. Norman Mah (Con Ed Solutions) reported that the group
 met on February 24, 2017 and reviewed the standard billing reports. The NYISO also reviewed billing code and
 report changes related to the Rate Schedule 1 technology automation project.
- <u>Electric System Planning Working Group</u>: Mr. Brian Wilkie (NYPA) reported the group me on March 7, 2017 and reviewed an updated draft of the 2016 Comprehensive Reliability Plan (CRP), the 2017 CARIS Phase 1 schedule, and update on Historic Congestion Reporting, the 2016 Weather Adjusted Energy usage, and the 2017 Long Term Forecast of Economic Projections.

- Installed Capacity Working Group: Mr. Liam Baker reported the group met on February 15, 2017 and March 8, 2017 and reviewed alternative methodologies for determining LCRs, ICAP Manual changes related to capacity exports from Localities, potential enhancements to Buyer-Side Mitigation rules related to the use of inflation rates and escalation factors and the forecasting of ICAP Demand Curve reference point prices, and lessons learned from the 2016 ICAP Demand Curve reset process.
- Electric Gas Coordination Working Group: The group did not meet since the last BIC meeting.
- Load Forecasting Task Force: The group did not meet since the last BIC meeting.
- Market Issues Working Group: Ms. Diana McNally-Barsotti (Con Edison) reported the group met on February 16, 2017 February 28, 2017 and March 9, 2017 and reviewed a variety of topics including the DER Roadmap, the Integrating Public Policy Project, Emergency Energy Transaction Charges with ISO-NE, Real-Time Start-up Cost Treatment, Transmission Constraint Pricing, the Michigan-Ontario Phase Angle Regulators assessment report, PJM's Pseudo-Tie Proposal, an update regarding the NYISO's Market Transparency Initiative, and an update regarding the TCC Balance-of-Period Project.
- <u>Price Responsive Load Working Group</u>: Mr. Tim Lundin (NYPA) reported the group met with MIWG to discuss the DER Roadmap and Integrating Public Policy Project topics.

4. New Business

There was no new business.

Meeting adjourned at 11:30 a.m.

Business Issues Committee Meeting

March 14, 2017 Final Motions

Motion #1:

Motion to approve the Minutes of the February 8, 2017 BIC meeting.

Motion passed unanimously.

Motion #2:

The Business Issues Committee ("BIC") hereby recommends that the Management Committee approve changes to the NYISO's Coordination Agreement with ISO-NE as more fully described in the "Emergency Energy Transaction Charges with ISO-NE" presentation made to the BIC on March 14, 2017.

Motion passed unanimously.

Motion #3:

The Business Issues Committee ("BIC") hereby recommends that the Management Committee approve changes to the NYISO's Open Access Transmission Tariff ("OATT") and Market Services Tariff ("MST") with regard to the Transmission Constraint Pricing updates as more fully described in the presentation made to the BIC on March 14, 2017.

Motion passed unanimously with abstentions.

Motion #4:

The Business Issues Committee ("BIC") hereby recommends that the Management Committee ("MC") approve revisions to the NYISO's Market Administration and Control Area Services Tariff ("MST") related to the treatment of Start-up Bids in the Real-Time market, as described in the presentation made to the BIC on March 14, 2017.

Motion passed unanimously.

Motion #5:

The Business Issues Committee (BIC) hereby approves revisions to the Installed Capacity Manual as presented at the March 14, 2017 BIC meeting.

Motion passed unanimously with abstentions.

New York Independent System Operator - Committee Membership

Business Issues Committee - March 14, 2017 - KCC - Parties Checked in Attendance

rganization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
oria Energy LLC	Generation Owners	McCall, Chuck	Browne , Scott	Habib , Phillipe	Singer, Leonard					_	
V Valley LLC	Generation Owners	Litchfield, Matt	Rumsey , Tom								
ine	Generation Owners	Kruse, Brett	Reitmeyer, Jay	Flumerfelt, John	Schleimer, Steve						
ket Valley Energy Center	Generation Owners	De Meyere, Bob	Wallenstein, Arnold	Paryl, Ron							
Renewables North America LLC	Generation Owners	Brodbeck, John	Kaplan, Seth	Nemeth , Jeffrey	High, Jeremy						
Coast Power, LLC	Generation Owners	Shanker, Roy	Fogarty, Thomas	Lee , Tina	Franzetti, Paul						
gy Nuclear Northeast	Generation Owners	Potkin, Marc	Dell Orto , Ken	✓ Saia, Doreen	Bergeron, John						
rd Wind LLC	Generation Owners	Merich, Olivia	Rugh, Chris								
k Energy Services, Inc.	Generation Owners	Ferguson, Mike	✓Younger, Mark								
ative Energy Systems	Generation Owners	Zeliff, Peter	Henningham, Scott								
ergy Energy Management LLC	Generation Owners	Ma , Alex	Goldstein, Michael	Orzel , Chris							
nal Grid Generation LLC	Generation Owners	Kain, Terrence	McCabe, Brian								
Environmental Power LLC	Generation Owners	Silton , Harry									
Cogen Partners, LP	Generation Owners	Biittig, Timothy	Ryan, James								
set Operating Company, LLC	Generation Owners	Evanoski, Dave	Goodenough, Jeery	McManus, John							
venswood, Inc.	Generation Owners	Taylor, William	DAndrea , James	Congel, Dan	Hachey, Mike						
ergy LLC	Other Suppliers	Ni, Bing	Lee, George								
ergy Company	Other Suppliers	Briscoe , Judy	Magruder, Kathy								
a Power, LLC	Other Suppliers	Moore, Cody	Ward, Roxie								
ock Energy, Inc.	Other Suppliers	Nichols , Jim	Yeager, Keith	VanHorne, Phil	Graham, Tammy						
field Energy Marketing L.P.	Other Suppliers	LaRoe, Chris	Mitreski , Aleksandar	Mitelman, Rimma	Dallaire, Eric						
er	Other Suppliers	Hourihan, Michael	Lawrence, David	Damaskos, Deno	Campbell , Bruce	Markham , Craig					
ton Commodities Merchant Trading L.P.	Other Suppliers	Stuss , Gordon	Romine, Brad	Emmett , Robert							
up Energy Inc.	Other Suppliers	✓ Trayers, Barry									
lison Solutions Inc.	Other Suppliers	✓Mah, Norman	Dannels , Jeff								
llation New Energy	Other Suppliers	Wentlent, Chris	Kirk, Steven								
Sound Cable Company, LLC	Other Suppliers	Reinhart, Brian	Rotger, Jose								
ergy	Other Suppliers	✓Bleiweis, Bruce	Stevens, Andrew	Tate, Matthew	Milberg, Sadao	Jeev , Kumar					
nergy	Other Suppliers	Pakela, Gregory	Wieszczyk, Raymond	German, Robert							
Energy Business Marketing, LLC	Other Suppliers	✓ Philips , Marjorie	Comstock, Read								
Marketing and Trade	Other Suppliers	✓ Roby, Rick	Ellis, Dean	Ziegler, Pete							
rading North America, LLC	Other Suppliers	Erbrick , Michael	LeForce, Randall								
Generation	Other Suppliers	✓Baker, Liam	Reese, John	✓Younger, Mark	Schwall, Matthew	Johnson , David	Wolcott , Tyler				
oc	Other Suppliers	Brewster, David	Geller, Greg								
Spectrum	Other Suppliers	David, Gary	✓Ahrens, David	Neiburg, David	Iskowitz, Aron	Brown, Ruben	Pentland, William	Villegas, Cristina	Cinadr , Matt		
Technology Savings	Other Suppliers	Hendler , Jeff	Ross , Valerie	<u> </u>		·			·		İ
Generating Co. LLC	Other Suppliers	Wentlent, Chris	Kirk, Steven								İ
nez Energy NA, Inc.	Other Suppliers	Levine , Jeffrey	Hawkins , Darin	Campbell , Chad							
wer	Other Suppliers	Fernands, Rochelle	✓ Ackerman, Alan								
ergy Services US	Other Suppliers	✓Plante , Matthieu	✓ Leuthauser, Scott	Guilbault, Louis							İ
ative Power	Other Suppliers	Gruber , Craig	Halford, Steve	,							
Energy Services of New York, Inc	Other Suppliers	Haugh, Michael	,								İ
ale Biomass, LLC	Other Suppliers	Ralston , William	Hebel, Nathan	Carrigan , Kathleen							1
ia Energy America, Inc.	Other Suppliers	Davis , Andrew	✓Younger, Mark								İ
Stanley Capital Group, Inc.	Other Suppliers	Murray, Patrick	Kochonies, Karen	Ezickson, Doron							İ
ower Marketing Inc.	Other Suppliers	✓ Joseph , Kelli	Fuller, Peter	Cona , Lisa							İ
ork Transco	Other Suppliers	Nachmias, Stuart	Hitti , Nabil	Caso , Rob	Carrigan, Kathleen	Dumais , Paul					İ
a Energy	Other Suppliers	Applebaum, David	Gardner, Michelle		Cumpui , Rumoon	2					
Americas Gas & Power Corp.	Other Suppliers	Boston , Roy	Kyle , Chris	✓Sunga , Leonard							1
Power Generation, Inc.	Other Suppliers	Lacivita, Ken	Gell, Richard	Barr, David	Sheinfield, Joel						İ
nergy Resource & Trade, LLC	Other Suppliers	Fromer, Howard	DePillo , Raymond	Messmer , Robert	Murawski , James						
y Corporation	Other Suppliers		-	Ahrens, David							}
		Merola , Peter	Ellison , Noel	Aniens, David	Villegas, Cristina						
Enterprises, LLC	Other Suppliers	Schubiger, Michael	Thoresen, James								
nergy North America, LLC	Other Suppliers	Picardi, Matt	Lohotte Let:	Vandrus 7	Viicion O						ł
energy	Other Suppliers	Hohenshilt , Jennifer	Labella , Julie	Kershner , Zane	Klicker , Owen						1
anada Power Marketing, Ltd.	Other Suppliers	Taylor, William Freifeld , Allen	D'Andrea, James	Congel, Dan	Hachey, Mike						
y Energy, Inc.	Other Suppliers	Wadsworth, Joe	Viola , Bob	Kam Vanner							
Inc.	Other Suppliers	wausworth, Joe	v 101d , DOD	Kam, Kenney	i i	1	1	[I	1	ı

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
Central Hudson Gas & Electric Corp.	Transmission Owners	✓Borchert , John	Chan, Ting	May , Jeff	Dittmann, David						
Consolidated Edison Co. of NY, Inc.	Transmission Owners	Quin , Jane	Nachmias, Stuart	✓ Butler , Scott	✓ Hargett , Chris	Butterklee, Neil					
National Grid	Transmission Owners	Janzen, Margaret	Lodemore, David	✓ Carron , Benjamin							
New York State Electric & Gas (NYSEG)	Transmission Owners	✓ Caletka, Patricia	Kinney, Ray	✓ Brophy , Richard							
Orange & Rockland Utilities, Inc.	Transmission Owners	,				•					
Rochester Gas and Electric Corp.	Transmission Owners	✓ Caletka, Patricia	Kinney, Ray	✓ 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	Radigan, Frank	Kopon , Owen							
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								
American Sugar Refining, Inc	Small Consumer	Luthin, Catherine	Breidenbaugh, Aaron	Lang, Kevin	Mager, Michael	Trinsey, Amanda					
Association for Energy Affordability	Small Consumer	Morris, Jackson	Hepinstall, David	Strauss , Valerie		•					
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 Small Consumer	Luthin, Catherine	Breidenbaugh , Aaron	Lang, Kevin	Mager, Michael	Trinsey , Amanda					
New York University Utility Intervention Unit, Division of Consumer	Government Statewide Consumer Advocate	Luthin, Catherine	Breidenbaugh , Aaron	Lang, Kevin	Mager, Michael	Trinsey , Amanda					
Protection, NY Dept. of State	Government Statewide Consumer Advocate	Hogan , Erin	Montalvo , Marc	Kordonis , Dimitrios	Zimmerman, Michael						
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	Coup, David	Mas , Carl	Wilcox , James						
Long Island Power Authority	State Power Authorities	Clarke, Dave	✓ Wilczek , Mariann			•					
New York Power Authority	State Power Authorities	Antinori , Andrew	Boyle, Bob	✓Lundin , Tim	✓ Mahoney, Daniel	Wilkie , Brian					
Bath Electric, Gas & Water Systems	Municipalities and Coops	· ·	Bolbrock, Richard	Cordeiro, Mark	Wanoney , Damer	Wlikie, Blian					
Freeport Electric	Municipalities and Coops	Hallgren , Guy	Kimlingen, Ted	Rudebusch, Tom	Fiore , Chris						
Jamestown Board of Public Utilities	Municipalities and Coops Municipalities and Coops	Livingston , Al Gustafson, David	Leathers, David	Kulig, Steve	Rudebusch, Tom	Sellstrom , Kris					
Lake Placid Village	Municipalities and Coops	Kroha, Peter	✓ Bolbrock, Richard	Cordeiro, Mark	Rudebusen, Tom	Schston, Kris					
Municipal Commission of Boonville	Municipalities and Coops	Stabb, Kenneth	✓ Bolbrock, Richard	Cordeiro, Mark							
Plattsburgh Municipal Lighting Dept	Municipalities and Coops		Bolbrock, Richard	Cordeiro, Mark							
Village of Arcade	Municipalities and Coops	Treacy, William	Bolbrock, Richard	·							
		Kilburn, Larry	-	Cordeiro, Mark		-					
Village of Fairport	Municipalities and Coops	Hegarty , Matt	Bolbrock, Richard	Cordeiro, Mark		•					
Village of Rockville Centre	Municipalities and Coops	Andreas , Philip	Cardile , Thomas	Rudebusch, Tom							
Village of Solvay	Municipalities and Coops	Hawksby , Joe	Bolbrock, Richard	Cordeiro, Mark		•					
Village of Westfield	Municipalities and Coops	Thompson , Andrew	Bolbrock, Richard	Cordeiro, Mark							
American Lung Association	Environmental	Epstein, Roni	Seilback, Michaek	Morris, Jackson	G : NC 1 1						
American Wind Energy Association Environmental Advocates	Environmental Environmental	Reynolds , Anne Bambrick , Conor	Gramlich, Robert Epstein, Roni	Beck , Betsy Morris, Jackson	Goggin , Michael	Gohn , Andrew	Grace, Gene				
Environmental Defense Fund	Environmental	Christian , Rory	Stein , Elizabeth	Monns, Jackson							
Natural Resources Defense Council	Environmental		·	Viswanathan@nrdc.org,							
		Farmer, Miles	Morris, Jackson	Kala							
PACE Energy & Climate Center	Environmental	Martin , Nicholas	Valova, Radina	Farmer, Miles							
Riverkeeper	Environmental	Gallay , Paul	Jones , Abigail	Doran , Erin							
AES ES Holdings LLC	Non Voting	Hillman , Sharon	Kumaraswarmy , Kiran								
Acadia Center	Non Voting	Howland , Jamie	Malone , Leslie								
Advanced Energy Economy, Inc. Advanced Migrogrid Solutions, Inc.	Non Voting	Katofsky, Ryan Jackson, Mike	Waggoner , Danny Yamout , Manal								
Advanced Migrogrid Solutions, Inc. Alliance for Clean Energy New York	Non Voting Non Voting	Reynolds, Anne	Dufresne , Zach								
Anharic Northeast Transmission Development Co.	Non Voting	Sanderson , Barry	Dunesiie , Zaeli								
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	,	, , ,	,	,					
Boston Energy Marketing & Trading	Non Voting	✓Kramek, Mike									
Bruce Power	Non Voting	Viswanathan , Samira	Meyer, Sandra								
Caithness Energy LLC	Non Voting	Keevill, Gary	Alvarez , Asavari	Garber, Mitchell							
Canandaigua Power Partners, LLC	Non Voting	Keene, John	Gaddes , Caleb								
Chesapeake Trading Group, LLC	Non Voting	Staska, Stephanie	Hocker, Geoff								
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						
Demand Energy Networks	Non Voting	Staker, Doug	Cook-Coyle , Jeff								
Earth Networks	Non Voting	Crawford , Jaden									
Energya VM	Non Voting	Garcia , Francisco	Maeso, Manual	Lopez, Ana	Silveira, Juan						
Fluent Energy	Non Voting	Acampora, Peter	Doll, Ed								

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
Hudson River Energy Group	Non Voting	Radigan, Frank	Canfield, Richard								
Hydro-Quebec TransEnergie	Non Voting	Prevost , Michel									
TC Mid-Atlantic Development LLC	Non Voting	Wrenbeck, Tom	Benedict, Nathan			İ					
Iberdrola Renewables Inc	Non Voting	Allen, Thresa				İ					İ
nnovari, Inc.	Non Voting	Lunt, Robin	Hodges, Brent								
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								
National Fuel Gas Distribution Corporation	Non Voting	Novak , Michael	Eck, Robert								
New Athens Generating Co. LLC	Non Voting	DeVinney, Dan				İ					İ
Noble Americas Energy Solutions	Non Voting	Sun, Jungsuk	Nakhonthap, Jade	✓ Sunga , Leonard							
Northeast Clean Heat & Power Initiative	Non Voting	Venkataraman, Sree	Lilian, Jon	Dwyer, Herb	Brown, Ruben	Cinadr , Matt	Martin, Nicholas	Villegas , Cristina			İ
Northline Utilities LLC	Non Voting	McKinney , Jeff	Danskin, Susan			İ					İ
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		İ					İ
RENEW Northeast	Non Voting	Pullaro, Francis	Krich, Abigail			İ					İ
RES Americas, Inc.	Non Voting	Fernandes, John	Boyd , Dan								
Red Wolf Energy Trading, LLC	Non Voting	Sharma, Rishi									
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									
SolarCity Corporation	Non Voting	Watson, Betty	Khan, Jamil	Reinhardt, Jessica							
Stephentown Spindle, LLC	Non Voting	Hebert, Chris									
Taylor Biomass Energy, LLC	Non Voting	Taylor , Jim	Page, Allan								
Tesla Motors, Inc.	Non Voting	Burson, Kate	Van Cleve, Sarah								
TransAlta Energy Marketing (U.S.) Inc.	Non Voting	Nivolianitis, Ted									
Transmission Developers Inc.	Non Voting	Jessome , Donald	Helmer, William	✓ Dave , Suresh							
Transource New York, LLC	Non Voting	Burkholder, Joshua									
Villiam P. Short	Non Voting	Short, William	Schaefer, Marc		Savage, Paul	Verna, Jim					