

NYISO Business Issues Committee Meeting Minutes
December 9, 2015
10:05 a.m. – 2:00 p.m.

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

The chair of the Business Issues Committee (BIC), Mr. Chris LaRoe (Brookfield), called the meeting to order at 10:05 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. Meeting Minutes

Requested revisions to the October 14, 2015 draft meeting minutes included with the meeting material received from Con Edison were noted. There were no additional comments or questions.

Motion #1

Motion to approve the minutes of the October 14, 2015 BIC meeting.

Motion passed unanimously.

3. Market Operations Report

Mr. Robb Pike (NYISO) reviewed the market operations report included with the meeting material. There were no questions.

4. Seams Report

Mr. Pike reviewed the seams report included with the meeting material. There were no questions.

5. Planning Update

Mr. Zach Smith (NYISO) stated the CARIS report was approved in November 2015. The NYISO will hold a public forum to discuss the findings of the CARIS report on December 17, 2015 at the Radisson on Wolf Rd. The Western New York Public Policy Transmission Need project solicitation window is open until December 31, 2015. The solicitation was issued on November 1, 2015. A frequently-asked-questions (FAQ) document was posted on December 3, 2015, and a deadline for any further questions was set for December 9, 2015. The FAQ document will be updated by December 15, 2015, if necessary, to reflect responses to any additional questions received by December 9, 2015. There were no questions.

6. ICAP Manual Updates for DMNC Test Temperature Correction

Mr. Zach T. Smith (NYISO) reviewed the presentation included with the meeting material. Ms. Marie Berninger (Con Edison) expressed support for the change and encouraged the NYISO to implement the revisions as soon as possible. Mr. Howard Fromer (PSEG) asked if the NYISO has assessed the ability for all resources to complete testing in a shorter test window if such a revision were pursued. Mr. Smith replied NYISO Operations would like to see the winter test period shortened.

Motion #2:

The Business Issues Committee (BIC) hereby approves revisions to the Installed Capacity Manual as presented at the December 9, 2015 BIC Meeting.

Motion passed unanimously with an abstention.

7. T&D Manual Revisions for CTS-NE and Other Updates

Mr. James Pigeon (NYISO) reviewed the presentation included with the meeting material. Mr. Fromer asked if the procedural change was to switch from a phone call to an email for providing notification to external ICAP providers regarding the need to make ICAP backed energy available under certain circumstances. Mr. Pigeon confirmed. Mr. Fromer asked the NYISO to send a test email out so Market Participants could confirm the appropriate contacts were receiving such notices. The NYISO committed to do so.

Motion #3:

The Business Issues Committee (BIC) hereby approves revisions to the T&D Manual as presented at the December 9, 2015 BIC Meeting.

Motion passed unanimously with abstentions.

8. Consumer Impact Analysis: Mechanism to Eliminate Capacity Zones

Mr. Tariq Niazi (NYISO) reviewed the presentation included with the meeting material. Several Market Participants expressed concern that the analysis was done prematurely because the final proposal had not yet been presented.

Ms. Doreen Saia (Greenberg Traurig) stated a premature elimination of a zone could have a negative impact on consumers. She also questioned the procedure for developing the Consumer Impact Analysis.

Mr. Mark Younger (Hudson Energy Economics) questioned what was meant by “too early” as it relates to premature elimination of a zone. For example, Mr. Younger asked whether this meant that a zone should not be eliminated before price signals converge.

Mr. Paul Gioia (Whiteman, Osterman & Hanna) stated that the Transmission Owners object to the use of reliability criteria as the basis for determining whether to eliminate a zone. He added it is disconcerting that the NYISO has not changed the proposal despite the input from Market Participants.

Mr. John Borchert (Central Hudson) said he hopes the NYISO does not bring the current proposal to BIC for approval.

Mr. Mark Montalvo (NYS UIU) expressed concern over the process of conducting the consumer impact analysis when the underlying proposal hasn't been finalized.

Mr. David Allen (NYISO) committed to returning to the ICAP Working Group for further discussion on the proposal.

Mr. Mike DeSocio (NYISO) stated the NYISO has heard all the feedback and will take it back and develop a plan for the initiative. Mr. DeSocio noted that the NYISO has heard the concerns on both sides and the NYISO's objective will be to try and develop a reasonable approach that both sides can support.

9. Behind-the-Meter Net Generation Initiative

Mr. Pradip Ganesan (NYISO) reviewed the presentation included with the meeting material.

Mr. Ruben Brown (E Cubed) read the following prepared statement that had the support from the following organizations (Energy Spectrum, EnerNOC, CPower, Innovative Innoventive Energy LLC, Natural Resources Defense Council, New York University, Fordham University, Mount Sinai Medical Center, Beth Israel Health Care System, Memorial Sloan-Kettering Cancer Center, Refined Sugars, Inc., Riverbay Corporation, Northeast Clean Heat and Power Initiative, City of New York, and Multiple Intervenors):

We are encouraged that the NYISO has agreed to include within their Wholesale Market Alignment with the NY PSC REV Proceeding a plan for discussing what is needed to reduce barriers for behind the fence generator participation in utility demand response programs while enrolled as wholesale market generators. To further that purpose, we would like the minutes to note the following points:

- The NYISO will develop a complete Market design to allow BTM:NG resources to participate in Local distribution DR programs. This should be developed and presented for stakeholder vote no later than Q2-2016.
- The NYISO should include the above point along with its timeline for alignment with the NY PSC REV proceeding in its filing letter to FERC.

Mr. Garrett Bissell (NYISO) replied the NYISO would note this request and consider it with respect to the previously planned project for 2016 that is intended to address wholesale market alignment with the New York State Public Service Commission (NYPSC) Reforming the Energy Vision (REV) initiative.

Mr. Younger stated he generally supports the proposal, but the grandfathering of CRIS rights remains a concern. Mr. Younger noted that allowing an unknown quantity of capacity to sell service, without demonstrating that the unit is capable of providing the service exacerbates potential deliverability problems and harms the markets. Mr. Younger stated that this particular issue is critical enough to warrant a vote against. Ms. Kelli Joseph (NRG), Ms. Kathy Logan (Entergy) and Mr. Fromer supported Mr. Younger's remarks.

Motion #4:

The Business Issues Committee (BIC) hereby recommends that the Management Committee approve, and recommend to the NYISO Board for filing under Section 205 of the Federal Power Act, revisions to the Market Administration and Control Area Services Tariff and Open Access Transmission Tariff as described in the tariff revisions accompanying the presentation entitled "Behind-the-Meter Net Generation Initiative," made at the December 9, 2015 BIC meeting.

Motion passed with 74.92% affirmative votes.

10. Working Group Updates

BAWG – Mr. Norman Mah (Con Ed Solutions) reported that the BAWG met on November 20, 2015 to review the grid accounting report.

CPWG – Mr. Mah reported that the CPWG did not meet.

ESPWG – Mr. Butler (Con Edison) reported that the NYISO proposed some conceptual changes to the Reliability Planning Process Manual that would fold some technical bulletins into the manual, incorporate process changes proposed in the recent RMR compliance filing, and make other changes to streamline the process and better coordinate it with the public policy processes expected to be in

progress next year. Mr. Butler also reminded Market Participants that solutions in response to the public policy transmission need identified by the NYPSC in Western NY are due December 31, 2015. Process and technical questions should be submitted to the NYISO by COB on December 9, 2015. Only developers that submitted a Developer Qualifications form before the beginning of December are eligible to propose projects at this point.

ICAPWG – Ms. Logan reported that the ICAPWG discussed the Rest of State Buyer-Side Mitigation Compliance Filing and the Renewables and Self Supply Compliance Filing. It was noted that the NYISO requested an extension of time for submission of the Renewables and Self Supply Compliance Filing.

IPTF – The group did not meet.

LFTF – The group had a follow-up discussion related to the Economic & Load Forecasting Conferences in October 2015 and reviewed the 2015 Preliminary Weather Normalized Peaks.

MIWG – Mr. Bob Boyle (NYPA) reported that the MIWG reviewed manual changes related to the Comprehensive Shortage Pricing project.

PRWLG – The group did not meet.

EGCWG – The group did not meet.

11. New Business

Mr. Ray Stalter (NYISO) announced the NYISO launched new features on its public website, www.nyiso.com, to provide more user-friendly information for consumers, as well as detailed information about New York's wholesale electricity markets and high-voltage electric grid. New features include new value metrics pages, enhanced budget transparency, and a real-time fuel mix chart. The site delivers more information to the NYISO's wide range of stakeholders, including policymakers, regulators, Market Participants, and consumers.

Meeting adjourned at 2:00 p.m.

***Business Issues Committee
December 9, 2015
Final Motions***

Motion #1:

Motion to approve the Minutes of the November 13, 2015 BIC meeting.

Motion passed unanimously.

Motion #2:

The Business Issues Committee (BIC) hereby approves revisions to the Installed Capacity Manual as presented at the December 9, 2015 BIC Meeting.

Motion passed unanimously with an abstention.

Motion #3:

The Business Issues Committee (BIC) hereby approves revisions to the T&D Manual as presented at the December 9, 2015 BIC Meeting.

Motion passed unanimously with abstentions.

Motion #4:

The Business Issues Committee (BIC) hereby recommends that the Management Committee approve, and recommend to the NYISO Board for filing under Section 205 of the Federal Power Act, revisions to the Market Administration and Control Area Services Tariff and Open Access Transmission Tariff as described in the tariff revisions accompanying the presentation entitled "Behind-the-Meter Net Generation Initiative," made at the December 9, 2015 BIC meeting.

Motion passed with 74.92% affirmative votes.

New York Independent System Operator

Business Issues Committee - December 09, 2015

Motion: Motion #Behind the Meter

Result: Motion Passed

Sector with base percent	%	Active	Quorum	Adj. Percent	For	Against	Abstain	% For	% Against	
Generation Owners	21.50	✓	✓	21.50	0.00	3.00	5.00	0.00	21.50	
Other Suppliers	21.50	✓	✓	21.50	10.00	2.00	8.00	17.92	3.58	
Transmission Owners	20.00	✓	✓	20.00	4.00	0.00	0.00	20.00	0.00	
End Use Consumer			✓							
Large Consumer	9.00	✓		9.00	4.00	0.00	0.00	15.50	0.00	
Large Cons. Gov. Agency	2.00	✓		2.00	0.00	0.00	0.00	0.00	0.00	
Small Consumer	4.50	✓	✓	4.50	0.00	0.00	7.00	0.00	0.00	
Gov. State-wide Cons. Advocate	2.70	✓		2.70	1.00	0.00	0.00	2.70	0.00	
Gov. Sm. Cons. & Retail Aggr.	1.80	✓		1.80	2.00	0.00	0.00	1.80	0.00	
Public Power			✓							
State Power Authorities	8.00	✓		8.00	1.00	0.00	1.00	8.00	0.00	
Munis & Co-ops	7.00	✓		7.00	11.00	0.00	0.00	7.00	0.00	
Environmental	2.00	✓		2.00	1.00	0.00	0.00	2.00	0.00	
				5	100.00	34.00	5.00	21.00	74.92	25.08
					100.00	Normalize to 100% :		74.92	25.08	

New York Independent System Operator

Business Issues Committee - December 09, 2015

Motion: Motion #Behind the Meter

Result: Motion Passed

Sector	Organization	Representative	Affiliate	Present	For	Against
Generation Owners	Indeck Energy Services, Inc.	Younger, Mark	N	Y	0.00	1.00
Generation Owners	Astoria Energy LLC		N	N	0.00	0.00
Generation Owners	Calpine		N	N	0.00	0.00
Generation Owners	CPV Valley LLC	Litchfield, Matt	N	Y	0.00	1.00
Generation Owners	East Coast Power, LLC	Shanker, Roy	N	Y	0.00	0.00
Generation Owners	Entergy Nuclear Northeast	Logan, Kathy	N	Y	0.00	0.00
Generation Owners	Innovative Energy Systems		N	N	0.00	0.00
Generation Owners	New Athens Generating Co. LLC	Litchfield, Matt	Y	Y	0.00	0.00
Generation Owners	Noble Environmental Power LLC		N	N	0.00	0.00
Generation Owners	Selkirk Cogen Partners, LP		N	N	0.00	0.00
Generation Owners	TC Ravenswood, Inc.	DAndrea, James	N	Y	0.00	1.00
Generation Owners	EDP Renewables North America LLC		N	N	0.00	0.00
Generation Owners	Cricket Valley Energy Center	Ahrens, Jeff	N	Y	0.00	0.00
Generation Owners	Invenergy Energy Management LLC		N	N	0.00	0.00
Generation Owners	National Grid Generation LLC		Y	N	0.00	0.00
Generation Owners	Somerset Operating Company, LLC	Evanoski, Dave	N	Y	0.00	0.00
Generation Owners	Howard Wind LLC		N	N	0.00	0.00
Other Suppliers	BJ Energy LLC		N	N	0.00	0.00
Other Suppliers	Citigroup Energy Inc.		N	N	0.00	0.00
Other Suppliers	Con Edison Solutions Inc.		Y	N	0.00	0.00
Other Suppliers	Constellation New Energy		Y	N	0.00	0.00
Other Suppliers	Cross Sound Cable Company, LLC		N	N	0.00	0.00
Other Suppliers	DC Energy	Bleiweis, Bruce	N	Y	0.00	0.00
Other Suppliers	DTE Energy	German, Robert	N	Y	0.00	0.00
Other Suppliers	Energy Spectrum	Brown, Ruben	N	Y	1.00	0.00
Other Suppliers	EnerNoc		N	N	0.00	0.00
Other Suppliers	Galt Power	Ackerman, Alan	N	Y	0.00	0.00
Other Suppliers	HQ Energy Services US	Bernier, Luc	N	Y	0.00	0.00
Other Suppliers	Integrays Energy Services of New York, Inc		Y	N	0.00	0.00
Other Suppliers	Morgan Stanley Capital Group, Inc.		N	N	0.00	0.00
Other Suppliers	NRG Power Marketing Inc.	Joseph, Kelli	N	Y	1.00	0.00
Other Suppliers	Ontario Power Generation, Inc.		N	N	0.00	0.00
Other Suppliers	Exelon Generating Co. LLC	Sears, Deborah	N	Y	0.00	0.00
Other Suppliers	PSEG Energy Resource & Trade, LLC	Fromer, Howard	N	Y	0.00	1.00
Other Suppliers	SESCO Enterprises, LLC		N	N	0.00	0.00
Other Suppliers	Shell Energy North America, LLC		N	N	0.00	0.00
Other Suppliers	TransCanada Power Marketing, Ltd.		Y	N	0.00	0.00
Other Suppliers	U.S. Power Generating Co.	Baker, Liam	N	Y	1.00	0.00
Other Suppliers	BP Energy Company		N	N	0.00	0.00
Other Suppliers	EDF Trading North America, LLC		N	N	0.00	0.00
Other Suppliers	NextEra Energy		N	N	0.00	0.00
Other Suppliers	Innoventive Power	Gruber, Craig	N	Y	1.00	0.00
Other Suppliers	Vitol Inc.		N	N	0.00	0.00
Other Suppliers	GDF Suez Energy NA, Inc.		Y	N	0.00	0.00
Other Suppliers	Viridity Energy, Inc.		N	N	0.00	0.00
Other Suppliers	Riverbay Corporation	Villegas, Cristina	N	Y	1.00	0.00
Other Suppliers	EnergyConnect	Lawrence, David	N	Y	1.00	0.00
Other Suppliers	Castleton Commodities Merchant Trading L.P.		N	N	0.00	0.00

Sector	Organization	Representative	Affiliate	Present	For	Against
Other Suppliers	BlueRock Energy, Inc.		N	N	0.00	0.00
Other Suppliers	Noble Americas Gas & Power Corp.	Sunga, Leonard	N	Y	0.00	0.00
Other Suppliers	Lyonsdale Biomass, LLC	Carrigan, Kathleen	N	Y	1.00	0.00
Other Suppliers	Direct Energy Business Marketing, LLC	Philips, Marjorie	N	Y	1.00	0.00
Other Suppliers	Energy Technology Savings		N	N	0.00	0.00
Other Suppliers	Mercuria Energy America, Inc.	Younger, Mark	N	Y	0.00	1.00
Other Suppliers	Powerex Corporation		N	N	0.00	0.00
Other Suppliers	Repsol Energy North America Corporation		N	N	0.00	0.00
Other Suppliers	Talen Energy	Hyzinski, Tom	N	Y	0.00	0.00
Other Suppliers	CPower	Markham, Craig	N	Y	1.00	0.00
Other Suppliers	XO Energy NY, LP		N	N	0.00	0.00
Other Suppliers	Dynegy Marketing and Trade	Roby, Rick	N	Y	0.00	0.00
Other Suppliers	Brookfield Energy Marketing L.P.	LaRoe, Chris	N	Y	1.00	0.00
Transmission Owners	New York State Electric & Gas (NYSEG)	Caletka, Patricia	N	Y	1.00	0.00
Transmission Owners	Central Hudson Gas & Electric Corp.	Borchert, John	N	Y	1.00	0.00
Transmission Owners	Consolidated Edison Co. of NY, Inc.	Quin, Jane	N	Y	1.00	0.00
Transmission Owners	National Grid	Carron, Benjamin	N	Y	1.00	0.00
Transmission Owners	Orange & Rockland Utilities, Inc.		Y	N	0.00	0.00
Transmission Owners	Rochester Gas and Electric Corp.		Y	N	0.00	0.00
End Use - Large Consumer	Alcoa, Inc.	Trinsey, Amanda	N	Y	1.00	0.00
End Use - Large Consumer	IBM Corporation	Trinsey, Amanda	N	Y	1.00	0.00
End Use - Large Consumer	Occidental Chemical Corp.	Trinsey, Amanda	N	Y	1.00	0.00
End Use - Large Consumer	Wegmans Food Markets	Trinsey, Amanda	N	Y	1.00	0.00
End Use - Large Consumer	Nucor Steel Auburn, Inc.		N	N	0.00	0.00
End Use - Large Cons. Gov. Agency	Metropolitan Transportation Authority		N	N	0.00	0.00
End Use - Small Consumer	American Sugar Refining, Inc	Trinsey, Amanda	N	Y	0.00	0.00
End Use - Small Consumer	Beth Israel Health Care System	Trinsey, Amanda	N	Y	0.00	0.00
End Use - Small Consumer	Fordham University	Trinsey, Amanda	N	Y	0.00	0.00
End Use - Small Consumer	Memorial Sloan Kettering Cancer Center	Trinsey, Amanda	N	Y	0.00	0.00
End Use - Small Consumer	Mount Sinai Medical Center	Trinsey, Amanda	N	Y	0.00	0.00
End Use - Small Consumer	New York University	Trinsey, Amanda	N	Y	0.00	0.00
End Use - Small Consumer	Association for Energy Affordability	Strauss, Valerie	N	Y	0.00	0.00
End Use - Gov. State-wide Cons. Advocate	Utility Intervention Unit, Division of Consumer Protection, NY Dept. of State	Montalvo, Marc	N	Y	1.00	0.00
End Use - Gov. Sm. Cons. & Retail Aggr.	NYS Energy Research & Dev. Authority	Hall, Christopher	N	Y	1.00	0.00
End Use - Gov. Sm. Cons. & Retail Aggr.	City of New York	Trinsey, Amanda	N	Y	1.00	0.00
Public Power - State Power Authorities	Long Island Power Authority	Clarke, Dave	N	Y	0.00	0.00
Public Power - State Power Authorities	New York Power Authority	Antinori, Andrew	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Bath Electric, Gas & Water Systems	Bolbrock, Richard	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Freeport Electric	Rudebusch, Tom	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Jamestown Board of Public Utilities	Rudebusch, Tom	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Lake Placid Village	Bolbrock, Richard	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Municipal Commission of Boonville	Bolbrock, Richard	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Plattsburgh Municipal Lighting Dept	Bolbrock, Richard	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Village of Westfield	Bolbrock, Richard	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Village of Solvay	Bolbrock, Richard	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Village of Arcade	Bolbrock, Richard	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Village of Fairport	Bolbrock, Richard	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Village of Rockville Centre	Rudebusch, Tom	N	Y	1.00	0.00
Public Power - Environmental	American Lung Association		N	N	0.00	0.00
Public Power - Environmental	American Wind Energy Association		N	N	0.00	0.00
Public Power - Environmental	Environmental Advocates		N	N	0.00	0.00
Public Power - Environmental	Natural Resources Defense Council	Ho, Bruce	N	Y	1.00	0.00
Public Power - Environmental	PACE Energy & Climate Center		N	N	0.00	0.00
Public Power - Environmental	Riverkeeper		N	N	0.00	0.00

New York Independent System Operator - Committee Membership

Business Issues Committee - December 09, 2015 - Radisson - Albany, NY - 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						
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	De Meyere, Bob	Wallenstein, Arnold	✓Ahrens, Jeff							
EDP Renewables North America LLC	Generation Owners	Brodbeck, John	Kaplan, Seth	Grimes, Mike	Nemeth, Jeffrey	Dictor, Stephen					
East Coast Power, LLC	Generation Owners	✓Shanker, Roy	Fogarty, Thomas	Fisher, Amy							
Entergy Nuclear Northeast	Generation Owners	✓Logan, Kathy	Potkin, Marc	✓Saia, Doreen	Del Orto, Ken						
Howard Wind LLC	Generation Owners	Merich, Olivia	Rugh, Chris								
Indeck Energy Services, Inc.	Generation Owners	Ferguson, Mike	✓Younger, Mark								
Innovative Energy Systems	Generation Owners	Zeliff, Peter	Henningham, Scott								
Invenergy Energy Management LLC	Generation Owners	Ma, Alex	Goldstein, Michael	Orzel, Chris							
National Grid Generation LLC	Generation Owners	Kain, Terrence	McCabe, Brian								
New Athens Generating Co. LLC	Generation Owners	Breen, Jack	✓Litchfield, Matt	DeVinney, Dan	Felak, Rich						
Noble Environmental Power LLC	Generation Owners	Silton, Harry									
Selkirk Cogen Partners, LP	Generation Owners	Biittig, Timothy	Ryan, James								
Somerset Operating Company, LLC	Generation Owners	✓Evanoski, Dave	Goodenough, Jeery	McManus, John							
TC Ravenswood, Inc.	Generation Owners	Taylor, William	✓DAndrea, James	Congel, Dan	Hachey, Mike						
BJ Energy LLC	Other Suppliers	Ni, Bing	Lee, George								
BP Energy Company	Other Suppliers	Briscoe, Judy	Magruder, Kathy								
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	✓Markham, Craig	Lacey, Frank	Damaskos, Deno	✓Ackerman, Alan						
Castleton Commodities Merchant Trading L.P.	Other Suppliers	Stuss, Gordon	Romine, Brad	Emmett, Robert							
Citigroup Energy Inc.	Other Suppliers	Trayers, Barry									
Con Edison Solutions Inc.	Other Suppliers	Mah, Norman	Dannels, Jeff								
Constellation New Energy	Other Suppliers	McCartney, Glen	Wentlent, Chris	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	Kuo, David					
DTE Energy	Other Suppliers	Pakela, Gregory	Wieszczyk, Raymond	✓German, Robert							
Direct Energy Business Marketing, LLC	Other Suppliers	✓Philips, Marjorie	Comstock, Read								
Dynegy Marketing and Trade	Other Suppliers	✓Roby, Rick	Ellis, Dean	Ziegler, Pete							
EDF Trading North America, LLC	Other Suppliers	Erbrick, Michael	LeForce, Randall								
EnerNoc	Other Suppliers	Brewster, David	Breidenbaugh, Aaron	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								
EnergyConnect	Other Suppliers	Campbell, Bruce	Davis, Robert	✓Lawrence, David							
Exelon Generating Co. LLC	Other Suppliers	✓Sears, Deborah	Wentlent, Chris	Kirk, Steven							
GDF Suez Energy NA, Inc.	Other Suppliers	Levine, Jeffrey	Hawkins, Darin	Campbell, Chad							
Galt Power	Other Suppliers	Fernands, Rochelle	✓Ackerman, Alan								
HQ Energy Services US	Other Suppliers	✓Bernier, Luc	Collins, Kyle	✓Leuthauser, Scott	Vennes, Yannick						
Innoventive Power	Other Suppliers	✓Gruber, Craig	Halford, Steve								
Integrus Energy Services of New York, Inc	Other Suppliers	Haugh, Michael									
Lyonsdale Biomass, LLC	Other Suppliers	Ralston, William	Hebel, Nathan	✓Carrigan, Kathleen							
Mercuria Energy America, Inc.	Other Suppliers	Davis, Andrew	✓Younger, Mark								
Morgan Stanley Capital Group, Inc.	Other Suppliers	Murray, Patrick	Kochonies, Karen	Ezickson, Doron							
NRG Power Marketing Inc.	Other Suppliers	✓Joseph, Kelli	Fuller, Peter	Cona, Lisa							
NextEra Energy	Other Suppliers	Applebaum, David	Gardner, Michelle								
Noble Americas Gas & Power Corp.	Other Suppliers	Boston, Roy	Kyle, Chris	✓Sunga, Leonard							
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	Messmer, Robert	Murawski, James						
Powerex Corporation	Other Suppliers	Tang, Glen	Dion, Julien	Fichten, Murray							
Repsol Energy North America Corporation	Other Suppliers	Moreton, Samuel	Horvath, Peter								
Riverbay Corporation	Other Suppliers	Merola, Peter	Ellison, Noel	✓Ahrens, David	✓Villegas, Cristina						
SESCO Enterprises, LLC	Other Suppliers	Schubiger, Michael	Thoresen, James								
Shell Energy North America, LLC	Other Suppliers	Picardi, Matt	French, Dave								
Talen Energy	Other Suppliers	✓Hyzinski, Tom	Greening, Michele								
TransCanada Power Marketing, Ltd.	Other Suppliers	Taylor, William	D'Andrea, James	Congel, Dan	Hachey, Mike						

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
First Wind Holdings, LLC	Non Voting	Keene , John	Salehian , Afshin								
Fluent Energy	Non Voting	Acampora , Peter	Doll , Ed								
Great Bay Energy IV, LLC	Non Voting	Franco , Eugene	Colon , Antonio								
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								
Iberdrola Renewables Inc	Non Voting	Allen, Thresa									
Innovari, Inc.	Non Voting	Lunt , Robin	Hodges , Brent								
MAG Energy Solutions, Inc.	Non Voting	Roberge, Martin	Vezenia, Alexandre								
NRG Curtailment Solutions, Inc.	Non Voting	Pieniazek, Marie	✓ Scheiderich , Jim	Lynch, Stephen	Korczykowski , Jim						
NYS Department of Public Service	Non Voting	Paynter , Thomas	✓ Evans , Adam								
National Fuel Gas Distribution Corporation	Non Voting	Novak , Michael	Eck , Robert								
New York Transco	Non Voting	Nachmias, Stuart	Lahtinen , James	Allen , Richard							
Noble Americas Energy Solutions	Non Voting	Sun , Jungsuk	Nakhonthap , Jade	✓ Sunga , Leonard							
Northeast Clean Heat & Power Initiative	Non Voting	De Veer , Henrietta	Lilian , Jon	Dwyer , Herb	✓ Brown, Ruben	✓ Cinadr , Matt	Martin , Nicholas	✓ Villegas , Cristina			
NuErogen	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	✓ Sharma , Rishi									
Richard P. Felak	Non Voting	Felak, Rich									
Saracen Energy East LP	Non Voting	Peebles , Andy									
Saranac Power Partners	Non Voting	Wible , Steven									
Siemens Energy, Inc.	Non Voting	Feltes , James									
Stephentown Spindle, LLC	Non Voting	Hebert , Chris									
Taylor Biomass Energy, LLC	Non Voting	Taylor , Jim	Page , Allan								
TransAlta Energy Marketing (U.S.) Inc.	Non Voting	Nivolianitis , Ted									
Transmission Developers Inc.	Non Voting	Jessome , Donald	Helmer , William								
William P. Short	Non Voting	Short, William	Schaefer, Marc		Savage, Paul	Verna, Jim					

NYISO Employees

Allen, David

Bissell, Garrett

Campbell, Greg

DeSocio, Mike

Dixon, Kirk

Eckels, Debbie

Ganeson, Pradip

Kavanah, Gloria

Keegan, Sara

Niazi, Tariq

Pigeon, James

Pike, Robb

Smith, Zach

Smith, Zachary T.

Stalter, Raymond