

**NYISO Business Issues Committee Meeting Minutes**  
**February 11, 2015**  
**10:00 a.m. – 2:30 p.m.**

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

The chair of the Business Issues Committee (BIC), Ms. Patti Caletka (NYSEG and RG&E) called the meeting to order at 10:10 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 Meeting Minutes – January 14, 2015**

Motion #1:

Motion to approve the Minutes of the January 14, 2015 BIC meeting.

***Motion passed unanimously.***

**3. Market Operations Report/Seams Report**

Mr. Robb Pike (NYISO) reviewed the Market Operations report included with the meeting material.

Mr. Pike also announced that the NYISO was in the process of scheduling an ICAP Working Group meeting on February 25<sup>th</sup> to review the Forward Capacity Market report that was prepared by the Analysis Group. In response to a question, Mr. Pike said the NYISO would post any documents associated with the report in accordance with the Bylaws posting deadlines. In response to a question, Mr. Pike said the consultant's report was approximately 100 pages. Mr. Mark Younger (Hudson Energy Economics) encouraged the NYISO to post the report sooner. Mr. Pike understood the request and noted that the NYISO would ask for stakeholder written comments on the report after the meeting. In response to a question from Ms. Doreen Saia (Entergy), Mr. Pike said the comment window period would last until the end of March and the NYISO would issue its management response in April.

Mr. Pike reviewed the Seams Report included with the meeting material.

A special MIWG has been scheduled February 12<sup>th</sup> to review the CTS with ISO-NE initiative. The session will cover the background on the CTS-NE initiative and provide additional details on the bidding, scheduling, pricing, and settlement aspects of the market design.

NYISO provided stakeholders with an update on its Fuel Assurance filing to FERC at the February 5<sup>th</sup> SOAS.

NYISO will work with PJM, MISO, and IESO to draft the annual report to FERC on BRM initiatives. The NYISO expects to submit the report to FERC in March.

**4. Planning Update**

Mr. John Buechler (NYISO) reported that the Target 2 report for the EIPC electric gas study was posted and will be discussed on a SSC Webinar to be held on February 12<sup>th</sup>. The Target 3 report is scheduled for release at the end of February. In addition, he noted that the documents contain CEII information and stakeholders interested in reviewing the files would have to follow the NYISO's CEII document request process.

Mr. Henry Chao (NYISO) reported that the NYISO was developing the Comprehensive Reliability Plan and the first draft would be discussed at the March 3<sup>rd</sup> ESPWG meeting. In addition, the NYISO was planning to kickoff the 2015 CARIS process in the spring.

#### **5. Committee By-Laws Proposal: Non-Substantive Amendments to Motions**

Ms. Alan Ackerman (Customized Energy Solutions) reviewed the presentation included with the meeting material. There were no questions.

##### Motion #2:

The Business Issues Committee (“BIC”) hereby approves revisions to the BIC Bylaws as presented at the February 11, 2015 BIC meeting.

*Motion passed unanimously.*

#### **6. Proposed Increase to the MW Limit for DSASP Resources using Direct Communications**

Mr. Vijay Ganugula (NYISO) reviewed the presentation included with the meeting material.

Mr. Howard Fromer (PSEG) expressed a concern that the NYISO was proposing a premature modification to one of its Demand Response (DR) programs while there was pending litigation before the Supreme Court. Mr. David Lawrence (Energy Connect) said there was great uncertainty at the federal level and at the Supreme Court, but those issues were focused on energy payments. DSASP resources do not receive any energy payments and he did not link DSASP resources could be linked with FERC Order 745. He said it was prudent to increase the MW limit. Mr. Mike Mager (Multiple Intervenors and the City of New York) agreed with Mr. Lawrence. He said the change was ministerial and the increased limit would provide more DSASP services. Mr. Rich Miller (Con Edison) said Con Edison supported the administrative change and would hope others would support it as well.

Ms. Marji Philips (Direct Energy) said the NYISO should follow what other ISOs/RTOs are doing and enhance DR programs until there is a court ruling and told not to. Mr. Younger said that if stakeholders continue to review and refine rules for DR, then that should be done across the board for all projects. Mr. Pike noted that the proposed change was administrative and the NYISO was working on the 2015 projects.

In response to a question from Mr. Miller, Mr. Ganugula said that that the proposal does not impact any DSASP resources that may wish to establish communications with a Transmission Owner. He added there was no limit to resources that wanted to participate through the TO. In response to a question, Mr. Ganugula said there were no DSASP resources participating through the Transmission Owner.

##### Motion #3:

The Business Issues Committee (BIC) hereby approves revisions to Section 6.2.3.9 in the Ancillary Services Manual as presented at the February 11, 2015 BIC Meeting.

*Motion passed unanimously with abstentions.*

#### **7. Market Participant Reporting Requirements**

Ms. Jennifer Boyle (NYISO) reviewed the presentation included with the meeting material.

Mr. Younger encouraged the NYISO to work with the other ISOs/RTOs to create a uniform template. Ms. Boyle said the NYISO has worked with Market Participants in developing the financial statement template. Mr. Fromer said it would be problematic for companies to generate financial reports within

a specified deadline from the NYISO that was different from ISO-New England's deadline. Ms. Sheri Prevratil (NYISO) said the NYISO's proposed deadline was equivalent to what the NYISO currently requires of MPs that request unsecured credit and that the NYISO would look at the ISO-New England tariff language.

Mr. Fromer said, with regard to the Financial Statement template, it was unnecessarily burdensome to require companies to re-create information a year earlier that they were never obligated to put together for other companies. He said it made sense to do it for the most recent year that ended, but it did not make sense to do it again for 2013. Ms. Prevratil said the NYISO would be willing to work with companies on a case by case basis. Mr. Younger said it was inappropriate to do it on a case by case basis. It would be more reasonable to ask for the most recent year's data, and then going forward for following years, to require Market Participants to include the previous year data. Mr. Bob Boyle (NYPA) disagreed and said it was not overly burdensome. Mr. Fromer disagreed and said it would be difficult for very large companies. Ms. Cheryl Hussey (NYISO) said the requirement is for basic financial statement information and entities that report their financials on a consolidated basis should have the required financial data available at the Market Participant level. As noted in the presentation, the NYISO is providing the alternative of submitting the financial statement template rather than a full set of financial statements for consolidated entities.

Mr. Fromer asked if the NYISO would be looking at companies that had little funds, but their parent companies had large bank accounts. Ms. Boyle said the NYISO would take the parent's statements into consideration. Mr. Fromer questioned what kind of new information would be available to the NYISO compared to what is currently available to the NYISO. Ms. Prevratil said the NYISO does not have financial information for the majority of its Market Participant population and the reporting requirement would provide insight to the NYISO Market Participants individually and in aggregate. Ms. Hussey said the NYISO understands that it is requesting that MPs provide information that they haven't had to provide in the past, but the proposal would allow the NYISO to establish a proactive comprehensive credit risk assessment program.. During last winter, the NYISO did not have financial information on certain Market Participants until they entered into a default situation. As a result, it wasn't identified until that time that the MP was in financial distress, which put the NYISO into a reactionary position. The proposal is for the benefit of the NYISO markets in order to prevent a bad debt loss that would be socialized to all Market Participants. Mr. Fromer said he supported her comments, but there should be a better way for the NYISO to receive information that was not a burdensome obligation on portions of the marketplace that provide data already to the NYISO.

Mr. Rich Miller (Con Edison) asked if the NYISO was going to keep its credit contacts informed of the proposed change. Ms. Prevratil said the NYISO discussed the proposal at the Credit Policy Working Group. Mr. Fromer said the level of participation at the CPWG was not the same as the universe of market participants that would be asked to respond to a new requirement. He suggested the NYISO to inform credit contacts of the proposal. Ms. Prevratil said the NYISO relies on the governance process to develop proposals and Credit Policy Working Group includes credit contacts. She noted that the NYISO would inform credit contacts in advance of the implementation of the reporting requirement. Mr. Andrew Antinori (NYPA) said it did not make sense for the NYISO to email credit contacts to inform them of every proposal going through shared governance. He said that would be unduly burdensome on the NYISO. Mr. Fromer said he was only suggesting that the NYISO improve upon its outreach efforts to increase more awareness.

Mr. Nathan Markey (NYISO) reviewed tariff language changes that were submitted by Market Participants. In response to a question, Mr. Markey said the language was brought through CPWG,

and then posted for BIC, but the feedback the NYISO received on some of the provisions was not discussed at CPWG.

Mr. Fromer asked if the NYISO determined a Market Participant to never have submitted such information in the past, would the NYISO deem that explanation as good cause for being unduly burdensome. Ms. Hussey said she believed that most Market Participants would have the requested financial statement information available. Ms. Saia said that the PSC went down a similar road where they wanted generators to file financial data and there were many iterations of what the companies could provide. She expressed a concern that in the context of generators, the template may not be as simple to fill out as the NYISO may think. She noted that she has alerted IPPNY members of the proposal and suggested the NYISO postpone approval of the proposal so suppliers could have a conversation to ensure stakeholders could work with the NYISO's proposed structure.

In response to a question, Ms. Prevratil said she would be happy to alert the credit contacts, but that should not be the standard practice. She re-iterated that the NYISO believed the proposal would be a benefit to the marketplace because it was a difficult year for the NYISO to assess the financial health of Market Participants. Ms. Saia that very few generators go to the CPWG meetings and the proposal was a substantial change and she was not ready to vote. She acknowledged that she wasn't following this topic closely.

Mr. Miller said Con Edison is willing to support the proposal and if Market Participants have a concern, they can review the proposal before it goes to the Management Committee. Mr. Antinori suggested postponing BIC action for one month.

After recess, Ms. Caletka said that in light of concerns from the generator community, the topic was withdrawn from BIC consideration. Mr. Alan Ackerman (Customized Energy Solutions) recommended that the proposal and updated tariff language return to the CPWG.

## **8. ICAP Manual Revisions – 2015/2016 Import Rights Limits**

Mr. Joshua Boles (NYISO) reviewed the presentation included with the meeting material.

In response to a question, Ms. Gloria Kavanah (NYISO) said a minor change was made to the ICAP Manual (to the version presented to the ICAPWG) for the NYISO to notify stakeholders once Ontario resources qualified. Ms. Saia appreciated the change.

Mr. Fromer asked when would the NYISO complete and share the deliverability analysis with stakeholders. Mr. Boles said that if the BIC approved the manual then the tentative date for the NYISO to release that information, and whether the rights are fully deliverable, is February 13<sup>th</sup>, which is on the NYISO's ICAP event calendar.

Mr. Scott Leuthauser (HQ US) said HQUS preferred the previous method to derive import rights and it should remain unchanged. Ms. Emilie Nelson (NYISO) explained that at the last ICAPWG meeting, one of the points that the NYISO raised to justify the new approach was to have objective criteria for what values should be used. Certainly today, there is quite a bit more that is deliverable from our neighbors and in conjunction, when you consider market changes for Ontario to enter the market, the path to participation may not be the best predictor going forward. Mr. Dana Walters (NYISO) said the NYISO did not want to bias the results using the historical method because it did not have a way to forecast to adjust the area interface biases in order to maximize one interface over another. He said the method used for the upcoming Capability Year was consistent with a method used a few years ago, which is more appropriate now that more areas are looking to offer.

Mr. Boles explained what would be required from IESO to be eligible to supply capacity on September 1<sup>st</sup>. The NYISO would need an executed MOU between the NYISO and Ontario, and the NYISO would notify stakeholders when that occurred through a posting on the NYISO website. In addition, from Ontario's standpoint, it is a new venture for Ontario so they would need to build software and have the market rules to effectuate what they are agreeing to in the MOU. He noted his counterparts at IESO are confident they can meet the deadline and are about to start their external stakeholder process.

Mr. Boles explained the Import Rights process and the limited amount of time to do the deliverability test before the tariff defined deadlines. The strip auction must be run in the month of March. He said the NYISO would need a final set of Import Rights numbers by the end of February.

Mr. Frank Francis (Brookfield) asked if the NYISO could accommodate HQ's concern by using the historic methodology for the summer because Ontario was not included and the new methodology for the winter with Ontario or develop a new methodology. He also said it wasn't just HQ, but also New England and Brookfield would like the NYISO to remain consistent. He suggested that the summer-only numbers be approved at the meeting, and that the winter numbers could be done later. Ms. Kavanah said that the deliverability analysis has to be done on an annual basis. Mr. Boles said to the extent that the NYISO can accommodate doing more analysis, the Import Rights numbers have to be finalized by the end of February. Mr. Walters said the historic method would maximize HQ and it would bias the situation and the NYISO would prefer using the pro-rata method where bias is not introduced. Mr. Francis said that by not using the historic method, the NYISO was leaving MW on the table and be inefficient. He said Brookfield wanted to ensure the interfaces could be used to support reliability. Ms. Nelson said that once Ontario is considered in the fold, the allocation to New England decreases. She said the overall level of imports has increased from previous years. She added that the ICAP Manual language was structured so that if Ontario is not ready, then the values for Ontario would be excluded. Mr. Francis said he did not believe the Ontario interface would be utilized. Ms. Nelson said the NYISO felt it was appropriate to use more objective criteria in order to sort through the many variables.

Mr. Lawrence said the NYISO was having two sets of numbers because of different system conditions. He asked which set of numbers would the NYISO use for the basis of the deliverability test. Mr. Walters said the NYISO was looking at deliverability both ways.

Mr. Younger said he would like the NYISO to pick a clear and unbiased process. He understood some Market Participants were arguing for more capacity on the interfaces they would more likely use, but there should be a more objective process. He also noted that the ICAP import rights report that the NYISO publishes does not go back and update what was actually used. He said it would be useful for the NYISO, for informational purposes, to revise the ICAP import rights report with what was actually utilized for the spot market auctions. Mr. Boles explained the reason why the NYISO did not update that document.

Mr. Miller said Con Edison does not necessarily agree with the NYISO's view and was not prepared to move forward with the proposal. He supported having the additional information determined using the same process as was performed for the last step last year. He would then like that information released before a decision is made on what the final import rights should be. Mr. Francis said he agreed and would support a special BIC. Mr. Antinori said he would support a special BIC and see what information the NYISO could report to the BIC.

Ms. Saia noted that the NYISO would have difficulty defending against a preferential treatment argument using the pro-rata assessment versus the historical method. Mr. Luc Bernier said there is an argument that ICAP should be maximized for New York, and HQ has huge surpluses available to New York.

Mr. Michael Cadwalader (Atlantic Economics representing TOs) said the tariff does not state the NYISO must use the pro-rata approach. Given the absence of that, stakeholders should try to develop a mechanism to assign those rights to those who would most likely use them. He also said it should be clear what stakeholders are asking the NYISO to do with the historical analysis. Mr. Francis said whatever assumptions the NYISO wanted to include for Ontario was fine so long as the historic methodology was used. Mr. Fromer reminded stakeholders of the limited timeline for the NYISO to perform the analysis and the possibility of an appeal of the BIC decision. Mr. Boles agreed and said that the NYISO position was that it didn't have a problem doing the analysis so long as it knew what the analysis would be, but the NYISO wanted to move forward with the motion today because it believed the methodology it used was correct.

Mr. Younger said some Market Participants want extra MW available but the amount available was negligible and that those MPs prefer a biased method. He re-iterated that there should be an objective methodology, but the NYISO needed to proceed with the strip auction. Mr. Francis said he wanted the information to vote on it. Mr. Younger said the NYISO needed to vote today, and to not have a vote today, it could mean the NYISO will not be able to hold the Import Rights process in accordance with the tariff. Ms. Kavanah clarified the tariff requirements, and that the Manual Revisions once approved would be subject to an appeal after a special BIC. Ms. Saia said if the vote was held today, it would allow the appeal window to expire and the NYISO would have the final set of numbers to use for the auction.

Mr. Leuthauser proposed an amendment to the motion that would request the NYISO to perform additional analyses and that the information would be discussed at February 26<sup>th</sup> special BIC meeting for action. Mr. Boles said the NYISO was willing to do the analysis, but there needed to be a vote at the special BIC. He added that the NYISO may also need to issue a technical bulletin because the it would require deviating from the normal process timeline. The BIC Chair agreed to allow waiving the five day posting deadline for meeting materials for the special BIC.

Mr. Miller said Con Edison was inclined to abstain on the motion, but would like the NYISO to have the information available next year from the beginning so that there will not be a postponed vote at the BIC. Ms. Nelson said that was a reasonable request, but asked if stakeholders would like to have a conversation in advance to review the process which could limit the time crunch in advance of the capability auction. Mr. Younger said the analysis should be done, but the methodology should be approved going forward so that people do not argue over methodologies because they do not like the results. Mr. Leuthauser agreed with Mr. Miller's suggestion for next year, but would go forward with the amendment to the motion.

#### Motion 4a:

Motion to amend motion #4 as follows:

~~The Business Issues Committee (BIC) hereby approves revisions to the Installed Capacity Manual as presented at the February 11, 2015 BIC Meeting.~~

The Business Issues Committee (BIC) hereby requests that the NYISO performs the Import Rights analysis using the same methodology it used for 2014/2015 Import Rights and providing a second set

of data that allocates rights assuming IESO has the right to import 200 MWs of capacity into New York, such results to be presented at a special BIC meeting to be held no later than February 26, 2015.  
*Motion passed with 69.49% affirmative votes.*

**Motion #4:**

The Business Issues Committee (BIC) hereby requests that the NYISO performs the Import Rights analysis using the same methodology it used for 2014/2015 Import Rights and providing a second set of data that allocates rights assuming IESO has the right to import 200 MWs of capacity into New York, such results to be presented at a special BIC meeting to be held no later than February 26, 2015.  
*Motion passed with 69.49% affirmative votes.*

**9. Documentation Updates – Graduated Transmission Demand Curve**

Mr. Ethan Avallone (NYISO) reviewed the presentation included with the meeting material.

In response to a question, Mr. Avallone said that the NYISO would not proceed with the manual changes until the Graduated Transmission Demand Curve software was activated.

**Motion #5**

The Business Issues Committee (“BIC”) hereby approves the Transmission and Dispatching Operations Manual and Day-Ahead Scheduling Manual revisions associated with the graduated Transmission Demand Curve, multiple technical bulletins, and other ministerial changes as more fully described in the presentation made to the BIC on February 11, 2015. The aforementioned manual changes will not be effective until the NYISO deploys and activates the graduated Transmission Demand Curve software.

*Motion passed unanimously with an abstention.*

**10. Working Group Updates**

None

**11. New Business**

Mr. Younger asked that meeting materials for joint meeting be posted on the NYISO website under both working group meetings. Mr. Pike added that stakeholders may want to consider consolidating NYISO stakeholder meetings that had collective activity and the NYISO would be interested in hearing that feedback. Mr. Miller said that Con Edison didn’t have a strong opinion on consolidation and that the ICAP Working Group becomes a specialized group during the demand curve reset process.

Mr. Younger also said that some working groups fall under old subcommittees that do not exist anymore.

Meeting adjourned at 2:30 p.m.

***Business Issues Committee Meeting***  
February 11, 2015  
Final Motions

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**Motion #1:**

Motion to approve the minutes of the January 14, 2015 meeting,

*Motion passed unanimously.*

**Motion #2:**

The Business Issues Committee (“BIC”) hereby approves revisions to the BIC Bylaws as presented at the February 11, 2015 BIC meeting.

*Motion passed unanimously.*

**Motion #3:**

The Business Issues Committee (BIC) hereby approves revisions to Section 6.2.3.9 in the Ancillary Services Manual as presented at the February 11, 2015 BIC Meeting.

*Motion passed unanimously with abstentions.*

**Motion #4:**

The Business Issues Committee (BIC) hereby requests that the NYISO performs the Import Rights analysis using the same methodology it used for 2014/2015 Import Rights and providing a second set of data that allocates rights assuming IESO has the right to import 200 MWs of capacity into New York, such results to be presented at a special BIC meeting to be held no later than February 26, 2015.

*Motion passed with 69.49% affirmative votes.*

**Motion 4a:**

Motion to amend motion #4 as follows:

~~The Business Issues Committee (BIC) hereby approves revisions to the Installed Capacity Manual as presented at the February 11, 2015 BIC Meeting.~~

The Business Issues Committee (BIC) hereby requests that the NYISO performs the Import Rights analysis using the same methodology it used for 2014/2015 Import Rights and providing a second set of data that allocates rights assuming IESO has the right to import 200 MWs of capacity into New York, such results to be presented at a special BIC meeting to be held no later than February 26, 2015.

*Motion passed with 69.49% affirmative votes.*

**Motion #5**

The Business Issues Committee (“BIC”) hereby approves the Transmission and Dispatching Operations Manual and Day-Ahead Scheduling Manual revisions associated with the graduated Transmission Demand Curve, multiple technical bulletins, and other ministerial changes as more fully described in the presentation made to the BIC on February 11, 2015. The aforementioned manual changes will not be effective until the NYISO deploys and activates the graduated Transmission Demand Curve software.

*Motion passed unanimously with an abstention.*

**New York Independent System Operator**  
**Business Issues Committee - February 11, 2015**

**Motion: Motion #ICAP Manual Motion to Amend**

**Result: Motion Passed**

Sector with base percent	%	Active	Quorum	Adj. Percent	For	Against	Abstain	% For	% Against
Generation Owners	21.50	✓	X	5.06	0.00	2.00	2.00	0.00	5.06
Other Suppliers	21.50	✓	✓	21.50	2.00	4.00	10.00	7.17	14.33
Transmission Owners	20.00	✓	✓	20.00	2.00	0.00	2.00	20.00	0.00
End Use Consumer			✓						
Large Consumer	9.00	✓		9.00	0.00	0.00	5.00	0.00	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	6.00	0.00	0.00
Gov. State-wide Cons. Advocate	2.70	✓		2.70	0.00	0.00	1.00	0.00	0.00
Gov. Sm. Cons. & Retail Aggr.	1.80	✓		1.80	0.00	0.00	2.00	0.00	0.00
Public Power			✓						
State Power Authorities	8.00	✓		9.07	0.00	0.00	1.00	0.00	0.00
Munis & Co-ops	7.00	✓		7.93	8.00	0.00	3.00	17.00	0.00
Environmental	2.00	✓		0.00	0.00	0.00	0.00	0.00	0.00
			4	83.56	12.00	6.00	32.00	44.17	19.39
				83.56	Normalize to 100% :			69.49	30.51

# New York Independent System Operator

## Business Issues Committee - February 11, 2015

**Motion: Motion #ICAP Manual Motion to Amend**

**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		N	N	0.00	0.00
Generation Owners	East Coast Power, LLC		N	N	0.00	0.00
Generation Owners	Entergy Nuclear Northeast	Saia, Doreen	N	Y	0.00	1.00
Generation Owners	Innovative Energy Systems		N	N	0.00	0.00
Generation Owners	New Athens Generating Co. LLC		N	N	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.	Congel, Dan	N	Y	0.00	0.00
Generation Owners	EDP Renewables North America LLC		N	N	0.00	0.00
Generation Owners	Cricket Valley Energy Center		N	N	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
Generation Owners	Stephentown Spindle, LLC		N	N	0.00	0.00
Other Suppliers	Hess Corporation		N	N	0.00	0.00
Other Suppliers	BJ Energy LLC		N	N	0.00	0.00
Other Suppliers	Brookfield Energy Marketing	Francis, Frank	N	Y	1.00	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		Y	N	0.00	0.00
Other Suppliers	DC Energy	Bleiweis, Bruce	N	Y	0.00	0.00
Other Suppliers	DTE Energy		N	N	0.00	0.00
Other Suppliers	Dynegy Power Marketing, Inc.		N	N	0.00	0.00
Other Suppliers	Energy Spectrum	Ahrens, David	N	Y	0.00	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	1.00	0.00
Other Suppliers	Integrus Energy Services of New York, Inc		N	N	0.00	0.00
Other Suppliers	Morgan Stanley Capital Group, Inc.		N	N	0.00	0.00
Other Suppliers	NRG Power Marketing Inc.	Younger, Mark	N	Y	0.00	1.00
Other Suppliers	Ontario Power Generation, Inc.		N	N	0.00	0.00
Other Suppliers	Exelon Generating Co. LLC	McCartney, Glen	N	Y	0.00	1.00
Other Suppliers	PPL EnergyPlus, LLC		N	N	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.	LaRoe, Chris	N	Y	0.00	0.00
Other Suppliers	J.P. Morgan Ventures Energy Corporatio		N	N	0.00	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	0.00	0.00

Sector	Organization	Representative	Affiliate	Present	For	Against
Other Suppliers	Vitol Inc.	Wadsworth, Joe	N	Y	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	Ahrens, David	N	Y	0.00	0.00
Other Suppliers	EnergyConnect	Lawrence, David	N	Y	0.00	0.00
Other Suppliers	Twin Cities Power LLC		N	N	0.00	0.00
Other Suppliers	Castleton Commodities Merchant Trading L.P.		N	N	0.00	0.00
Other Suppliers	BlueRock Energy, Inc.		N	N	0.00	0.00
Other Suppliers	Noble Americas Gas & Power Corp.		N	N	0.00	0.00
Other Suppliers	Lyonsdale Biomass, LLC		N	N	0.00	0.00
Other Suppliers	Direct Energy Business Marketing, LLC	Philips, Marjorie	N	Y	0.00	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	Enerwise Global Technologies, Inc	Ackerman, Alan	N	Y	0.00	0.00
Transmission Owners	New York State Electric & Gas (NYSEG)	Caletka, Patricia	N	Y	0.00	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.	Miller, Richard	N	Y	0.00	0.00
Transmission Owners	National Grid	Franey, Bart	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.	Mager, Michael	N	Y	0.00	0.00
End Use - Large Consumer	IBM Corporation	Mager, Michael	N	Y	0.00	0.00
End Use - Large Consumer	Occidental Chemical Corp.	Mager, Michael	N	Y	0.00	0.00
End Use - Large Consumer	Wegmans Food Markets	Mager, Michael	N	Y	0.00	0.00
End Use - Large Consumer	Nucor Steel Auburn, Inc.	Kopon, Owen	N	Y	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	Mager, Michael	N	Y	0.00	0.00
End Use - Small Consumer	Beth Israel Health Care System	Mager, Michael	N	Y	0.00	0.00
End Use - Small Consumer	Fordham University	Mager, Michael	N	Y	0.00	0.00
End Use - Small Consumer	Memorial Sloan Kettering Cancer Center	Mager, Michael	N	Y	0.00	0.00
End Use - Small Consumer	Mount Sinai Medical Center	Mager, Michael	N	Y	0.00	0.00
End Use - Small Consumer	New York University	Mager, Michael	N	Y	0.00	0.00
End Use - Small Consumer	Association for Energy Affordability		N	N	0.00	0.00
End Use - Gov. State-wide Cons. Advocate	Utility Intervention Unit, Division of Consumer Protection, NY Dept. of State	Hogan, Erin	N	Y	0.00	0.00
End Use - Gov. Sm. Cons. & Retail Aggr.	NYS Energy Research & Dev. Authority	Hall, Christopher	N	Y	0.00	0.00
End Use - Gov. Sm. Cons. & Retail Aggr.	City of New York	Mager, Michael	N	Y	0.00	0.00
Public Power - State Power Authorities	Long Island Power Authority		N	N	0.00	0.00
Public Power - State Power Authorities	New York Power Authority	Antinori, Andrew	N	Y	0.00	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	0.00	0.00
Public Power - Munis & Co-ops	Jamestown Board of Public Utilities	Rudebusch, Tom	N	Y	0.00	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	0.00	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		N	N	0.00	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**  
**Business Issues Committee - February 11, 2015**

**Motion: Motion #ICAP Manual Main Motion**

**Result: Motion Passed**

Sector with base percent	%	Active	Quorum	Adj. Percent	For	Against	Abstain	% For	% Against
Generation Owners	21.50	✓	X	5.06	0.00	2.00	2.00	0.00	5.06
Other Suppliers	21.50	✓	✓	21.50	2.00	4.00	10.00	7.17	14.33
Transmission Owners	20.00	✓	✓	20.00	2.00	0.00	2.00	20.00	0.00
End Use Consumer			✓						
Large Consumer	9.00	✓		9.00	0.00	0.00	5.00	0.00	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	6.00	0.00	0.00
Gov. State-wide Cons. Advocate	2.70	✓		2.70	0.00	0.00	1.00	0.00	0.00
Gov. Sm. Cons. & Retail Aggr.	1.80	✓		1.80	0.00	0.00	2.00	0.00	0.00
Public Power			✓						
State Power Authorities	8.00	✓		9.07	0.00	0.00	1.00	0.00	0.00
Munis & Co-ops	7.00	✓		7.93	11.00	0.00	0.00	17.00	0.00
Environmental	2.00	✓		0.00	0.00	0.00	0.00	0.00	0.00
			4	83.56	15.00	6.00	29.00	44.17	19.39
				83.56	Normalize to 100% :			69.49	30.51

# New York Independent System Operator

## Business Issues Committee - February 11, 2015

**Motion: Motion #ICAP Manual Main Motion**

**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		N	N	0.00	0.00
Generation Owners	East Coast Power, LLC		N	N	0.00	0.00
Generation Owners	Entergy Nuclear Northeast	Saia, Doreen	N	Y	0.00	1.00
Generation Owners	Innovative Energy Systems		N	N	0.00	0.00
Generation Owners	New Athens Generating Co. LLC		N	N	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.	Congel, Dan	N	Y	0.00	0.00
Generation Owners	EDP Renewables North America LLC		N	N	0.00	0.00
Generation Owners	Cricket Valley Energy Center		N	N	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
Generation Owners	Stephentown Spindle, LLC		N	N	0.00	0.00
Other Suppliers	Hess Corporation		N	N	0.00	0.00
Other Suppliers	BJ Energy LLC		N	N	0.00	0.00
Other Suppliers	Brookfield Energy Marketing	Francis, Frank	N	Y	1.00	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		Y	N	0.00	0.00
Other Suppliers	DC Energy	Bleiweis, Bruce	N	Y	0.00	0.00
Other Suppliers	DTE Energy		N	N	0.00	0.00
Other Suppliers	Dynegy Power Marketing, Inc.		N	N	0.00	0.00
Other Suppliers	Energy Spectrum	Ahrens, David	N	Y	0.00	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	1.00	0.00
Other Suppliers	Integrus Energy Services of New York, Inc		N	N	0.00	0.00
Other Suppliers	Morgan Stanley Capital Group, Inc.		N	N	0.00	0.00
Other Suppliers	NRG Power Marketing Inc.	Younger, Mark	N	Y	0.00	1.00
Other Suppliers	Ontario Power Generation, Inc.		N	N	0.00	0.00
Other Suppliers	Exelon Generating Co. LLC	McCartney, Glen	N	Y	0.00	1.00
Other Suppliers	PPL EnergyPlus, LLC		N	N	0.00	0.00
Other Suppliers	PSEG Energy Resource & Trade, LLC	Fromer, Howard	N	Y	0.00	0.00
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.	LaRoe, Chris	N	Y	0.00	1.00
Other Suppliers	J.P. Morgan Ventures Energy Corporatio		N	N	0.00	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	0.00	0.00

Sector	Organization	Representative	Affiliate	Present	For	Against
Other Suppliers	Vitol Inc.	Wadsworth, Joe	N	Y	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	Ahrens, David	N	Y	0.00	0.00
Other Suppliers	EnergyConnect	Lawrence, David	N	Y	0.00	0.00
Other Suppliers	Twin Cities Power LLC		N	N	0.00	0.00
Other Suppliers	Castleton Commodities Merchant Trading L.P.		N	N	0.00	0.00
Other Suppliers	BlueRock Energy, Inc.		N	N	0.00	0.00
Other Suppliers	Noble Americas Gas & Power Corp.		N	N	0.00	0.00
Other Suppliers	Lyonsdale Biomass, LLC		N	N	0.00	0.00
Other Suppliers	Direct Energy Business Marketing, LLC	Philips, Marjorie	N	Y	0.00	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	Enerwise Global Technologies, Inc	Ackerman, Alan	N	Y	0.00	0.00
Transmission Owners	New York State Electric & Gas (NYSEG)	Caletka, Patricia	N	Y	0.00	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.	Miller, Richard	N	Y	0.00	0.00
Transmission Owners	National Grid	Franey, Bart	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.	Mager, Michael	N	Y	0.00	0.00
End Use - Large Consumer	IBM Corporation	Mager, Michael	N	Y	0.00	0.00
End Use - Large Consumer	Occidental Chemical Corp.	Mager, Michael	N	Y	0.00	0.00
End Use - Large Consumer	Wegmans Food Markets	Mager, Michael	N	Y	0.00	0.00
End Use - Large Consumer	Nucor Steel Auburn, Inc.	Kopon, Owen	N	Y	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	Mager, Michael	N	Y	0.00	0.00
End Use - Small Consumer	Beth Israel Health Care System	Mager, Michael	N	Y	0.00	0.00
End Use - Small Consumer	Fordham University	Mager, Michael	N	Y	0.00	0.00
End Use - Small Consumer	Memorial Sloan Kettering Cancer Center	Mager, Michael	N	Y	0.00	0.00
End Use - Small Consumer	Mount Sinai Medical Center	Mager, Michael	N	Y	0.00	0.00
End Use - Small Consumer	New York University	Mager, Michael	N	Y	0.00	0.00
End Use - Small Consumer	Association for Energy Affordability		N	N	0.00	0.00
End Use - Gov. State-wide Cons. Advocate	Utility Intervention Unit, Division of Consumer Protection, NY Dept. of State	Hogan, Erin	N	Y	0.00	0.00
End Use - Gov. Sm. Cons. & Retail Aggr.	NYS Energy Research & Dev. Authority	Hall, Christopher	N	Y	0.00	0.00
End Use - Gov. Sm. Cons. & Retail Aggr.	City of New York	Mager, Michael	N	Y	0.00	0.00
Public Power - State Power Authorities	Long Island Power Authority		N	N	0.00	0.00
Public Power - State Power Authorities	New York Power Authority	Antinori, Andrew	N	Y	0.00	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		N	N	0.00	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 - February 11, 2015 - NYISO - Parties Checked in Attendance

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
Astoria Energy LLC	Generation Owners	McCall, Chuck	Habib , Phillipe	Singer, Leonard							
CPV Valley LLC	Generation Owners	Remillard, Steven	Litchfield , Matt	Bruno , Michael	Felak, Rich						
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	Kaplan , Seth	Grimes , Mike	Nemeth , Jeffrey	Harmon , Brad						
East Coast Power, LLC	Generation Owners	Shanker, Roy	Fogarty , Thomas	Fisher , Amy							
Entergy Nuclear Northeast	Generation Owners	Milici , Rich	Potkin , Marc	✓Saia, Doreen	Del Orto , Ken						
Howard Wind LLC	Generation Owners	Merich , Olivia	Rugh , Chris								
Indeck Energy Services, Inc.	Generation Owners	Ferguson, Mike	Schrage, John	✓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								
Stephentown Spindle, LLC	Generation Owners	Hebert , Chris	Bullwinkel , Aaron	O'Brien , Robin							
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	Prescott , Randy	Magruder , Kathy	Bassett , Jeffrey							
BlueRock Energy, Inc.	Other Suppliers	Nichols , Jim	Eno , Jason	VanHorne , Phil	Gipson , Jon						
Brookfield Energy Marketing	Other Suppliers	✓Francis, Frank	Ricketts, Robert	Whyte, Daniel							
Castleton Commodities Merchant Trading L.P.	Other Suppliers	Stuss , Gordon	Cheong, Mei								
Citigroup Energy Inc.	Other Suppliers	Trayers, Barry									
Con Edison Solutions Inc.	Other Suppliers	Mah, Norman	Wemple, Steve								
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								
Dynergy Power Marketing, Inc.	Other Suppliers	Roby , Rick	Ellis, Dean	Daley , Marty							
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			
Energy Technology Savings	Other Suppliers	Hendler , Jeff	Ross , Valerie	Nudelman , Craig							
EnergyConnect	Other Suppliers	Campbell , Bruce	Davis , Robert	✓Lawrence , David							
Enerwise Global Technologies, Inc	Other Suppliers	Markham , Craig	Geoghan , Stephen	Lacey , Frank	✓Ackerman, Alan						
Exelon Generating Co. LLC	Other Suppliers	✓McCartney, Glen	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	Plante , Matthieu	✓Leuthauser, Scott	Vennes, Yannick						
Hess Corporpration	Other Suppliers	Sobieski, Dennis									
Innoventive Power	Other Suppliers	✓Gruber , Craig	Halford , Steve								
Integrus Energy Services of New York, Inc	Other Suppliers	Haugh, Michael									
J.P. Morgan Ventures Energy Corporatio	Other Suppliers	O'Connell , Robert	Greenleaf , Steven								
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	Neal , David						✓Younger, Mark	
NextEra Energy	Other Suppliers	Applebaum, David	Gardner , Michelle	Gil , David							
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						
PPL EnergyPlus, LLC	Other Suppliers	Weghorst, Brad	Hyzinski, Tom	Weber, Sharon	Greening , Michele	Yannarell, David	Francello , Mark				
PSEG Energy Resource & Trade, LLC	Other Suppliers	✓Fromer, Howard	Carretta , Kenneth	Messmer , Robert	Murawski , James						
Riverbay Corporation	Other Suppliers	Merola , Peter	Freedman , Herbert	✓Ahrens, David	✓Villegas , Cristina						
SESCO Enterprises, LLC	Other Suppliers	Schubiger, Michael	Thoresen, James								
Shell Energy North America, LLC	Other Suppliers	Picardi, Matt	French, Dave								
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
Fluent Energy	Non Voting	Acampora , Peter	Begley, Jeff	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									
Iberdrola Renewables Inc	Non Voting	Allen, Thresa									
MAG Energy Solutions, Inc.	Non Voting	Roberge, Martin	Vezina, Alexandre								
NYS Department of Public Service	Non Voting	Paynter , Thomas	Evans , Adam								
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			
RBC Energy Services, LP	Non Voting	Burnham , Steve	Fraiture , Christian	Doolittle , Robin							
RES Americas, Inc.	Non Voting	Fernandes , John	Boyd , Dan								
Red Wolf Energy Trading, LLC	Non Voting	Sharma , Rishi									
Saracen Energy East LP	Non Voting	Peebles , Andy									
Saranac Power Partners	Non Voting	Wible , Steven									
Siemens Energy, Inc.	Non Voting	Feltes , James									
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**

Avallone, Ethan

Boles, Josh

Buechler, John

Chao, Henry

Dixon, Kirk

Eckels, Debbie

Ganugula, Vijay

Hussey, Cheryl

Kavanah, Gloria

Pike, Robb

Prevratil, Sheri