### NYISO Business Issues Committee Meeting Minutes August 12, 2015 10:05 a.m. – 12:30 p.m.

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

The chair of the Business Issues Committee (BIC), Ms. Patti Caletka (NYSEG) 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

<u>Motion #1:</u> Motion to approve the Minutes of the July 15, 2015 meeting. *Motion passed unanimously.* 

#### 3. Market Operations Report

Mr. Mike DeSocio (NYISO) reviewed the market operations report included with the meeting material. In response to a question from Mr. Mark Younger (Indeck), Mr. DeSocio said the NYISO would discuss the warm weather performance in greater detail at the August 13<sup>th</sup> Operating Committee meeting.

#### 4. Seams Report

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

#### 5. Planning Update

Mr. Zach Smith (NYISO) reported that, in July, the PSC issued an order for a public policy need in Western NY and the NYISO will consider projects that would increase Western NY transmission capability in order to transmit the full output of the Niagara facility maintain imports from Ontario and maintain transmission security in Western NY. The NYISO will present base line results to the August 27<sup>th</sup> ESPWG and then solicit solutions to meet the public policy transmission need. In response to a question from Ms. Caletka, Mr. Smith said he would discuss the solicitation timeframe in greater detail at the ESPWG. He noted that the solicitation window would not begin immediately after the August 27<sup>th</sup> ESPWG meeting.

#### 6. TCC Manual Revisions

Ms. Lisa Travaly (NYISO) reviewed the presentation included with the meeting material. There were no questions.

#### Motion #2:

The Business Issues Committee (BIC) hereby approves the revisions to the Transmission Congestion Contracts Manual as presented and discussed at the August 12, 2015 BIC meeting. *Motion passed unanimously with abstentions.* 

#### 7. Consumer Impact Analyses: 2016 Project List

Mr. Tariq Niazi (NYISO) reviewed the presentation included with the meeting material.

Mr. Scott Butler (Con Edison) complimented the NYISO for identifying the 2016 project list much earlier. He opined that the Fuel Assurance: Fuel Constrained Supply Bidding project may not need any

consumer impact analysis because of the difficulty in estimating the efficiency savings. Mr. Dan Mahoney (NYPA) asked if there was a lot of stakeholder support for the identified 2016 project list for consumer impact analyses. Mr. Niazi said he believed they had significant support, but other projects with bigger impact on consumers could also be identified. Mr. Mike Kramek (Boston Energy) expressed a concern that the projects in the presentation were being prioritized without going through the project prioritization cycle. Mr. Niazi said the projects were not finalized and his presentation only sought to identify and discuss potential candidates for consumer impact analyses with stakeholders much earlier in the process.

Mr. David Lawrence (EnergyConnect) asked if the NYISO would go to the BPWG to discuss the 2016 projects not selected in the presentation and describe any secondary candidates that could also be potentially considered for consumer impact analyses in 2016. Ms. Jane Quin (Con Edison) agreed with Mr. Lawrence's request. Mr. Niazi said he would consider discussing it, but stakeholders could also at any time ask the NYISO to look at other projects that should be considered for consumer impact analyses.

#### 8. Changes to the Reference Level Manual & MST Attachment H

Mr. Giacinto Pascazio (NYISO) reviewed the presentation included with the meeting material. Mr. David Clarke (LIPA) thanked the NYISO for making changes to the Reference Level Manual since the last Market Issues Working Group (MIWG).

Regarding the documentation needed to assert higher fuel commodity costs, Mr. Clarke said he took issue with the ability to cite a posting on a trading platform that was posted for a reasonable period of time as evidence that the gas market is illiquid. Mr. Clarke said LIPA did not believe that proposal made sense because one cannot post an out of cycle offer on the ICE trading platform.

Mr. Dan Congel (TC Ravenswood) commented that sub-bullet b of section 6.3.2.2 was vague, and asked if the language could be amended to say "could be reasonably predicted." Mr. Clarke stated that the ISO's proposal to reject gas balancing costs that an MP could "reasonably anticipate" was an arbitrary and subjective standard. Mr. Alex Schnell (NYISO) said the NYISO was proposing changes to the Reference Level Manual to give more clarity and guidance to generators and also give a warning to generators that if they are incurring the same amount of gas penalty charge day after day, then the NYISO will not be allowing the gas balancing charges to continue to be recovered because instead of regularly incurring a high gas balancing charge, at some point the generators need to start procuring gas. Mr. Clarke said his issue is that FERC should consider whether a vague revision is an appropriate standard. Mr. Schnell said the NYISO has an obligation to make sure the costs are reasonable and if an organization is incurring balancing charges day after day, eventually the NYISO has to take exception. The proposed change seeks to explain how the NYISO would evaluate costs. Mr. Butler said it was helpful to have a procedure in place than to not have one.

Mr. Liam Baker (US Power Gen) thanked the NYISO for moving the proposal forward and asked for clarification that the penalty charges were related to daily balancing charges and not if a generator signs up with an LDC and receives monthly charges. Mr. Pascazio said that was correct. Mr. Baker suggested clarifying the manual language to make it clear that it was for daily charges.

Mr. Mike Novak (National Fuel Gas Distribution Corporation) said Section 6.3.2.4(a) of the reference level manual should impose stronger and clearer obligations to coordinate with LDCs and pipelines because a generator should be able to check in advance to see if natural gas was available on the pipeline. Mr. Pascazio said the manual implements the rules in the tariff, which relate to recovery of gas costs in generator reference levels. The NYISO expects a generator would coordinate with its gas

supplier to ensure the services used were authorized. Mr. Novak said generally his organization supported the NYISO's proposal.

Mr. Congel said he supported the proposed changes, but did offer a comment that Section 6.3.3 of the Reference Level manual contains language about the weighted average fuel costs, and he said a scenario could occur where one could make large volume purchases intra-day, and if the NYISO was looking at weighted average fuel costs, that evaluation may not capture intra-day price increases for a specific unit. Mr. Pascazio said the language Mr. Congel was alluding to is designed to address an average of fuel cost for a portfolio of units. In trying to determine that cost, the NYISO would include intra-day purchases that could offset the charges incurred. Mr. Clarke added that it was a section that LIPA proposed to delete in its version of the redlined manual. Mr. Schnell said Section 6.3.3 explains what the NYISO will be evaluating. It will help a generator understand why the NYISO is asking questions.

Regarding the proposed MST Attachment H revisions, Mr. Clarke said one of the issues with Attachment H Section 23.3.1.4.6 – "Reference Level Calculations" is that it incorporates by reference what penalty gas is based on the tariff of each of the LDCs and it would make sense from a legal perspective to define what "penalty gas" means in the ISO's Tariff and to define it as burning through an OFO. Mr. Novak disagreed with that change. He said an LDC is going to make changes in the PSC jurisdictional tariffs to make it abundantly clear and consistent what is/is not permitted. The NYISO tariff should not trump the PSC jurisdictional tariff of an LDC to whatever shipper is delivering to a generator. Mr. John Borchert (Central Hudson) agreed with Mr. Novak and said he didn't think the NYISO creating a definition of unauthorized use or penalty gas that could be in conflict with the local LDC tariff would be desirable. Mr. Joe Nelson (LIPA) said FERC has been very consistent that it doesn't incorporate by reference matters and standards it has not reviewed. The NYISO has to revise the Tariff language to address which costs it would allow/disallow in a reference level. The problem is that the rates, terms, conditions and services have to be approved by FERC. Mr. Novak said that may be true, but the problem from an LDC view is that if you are recovering the cost of an LDC penalty from the NYISO, then the penalties aren't preventing undesirable behavior. Gas system operational integrity must be preserved. Mr. Shaun Johnson (NYISO) said that FERC would have to decide on the concerns raised by Mr. Nelson.

Mr. Butler offered and Mr. Baker seconded a motion to approve the NYISO's proposed changes to the Tariff and Reference Level Manual. Mr. Clarke made a motion to amend and the motion to amend was seconded by Mr. Antinori (NYPA). Mr. Clarke described his proposed amendments to Attachment H included with the meeting material.

Mr. Schnell said LIPA had not articulated its concern at previous MIWG meetings to Attachment H Section 23.3.1.4.6, but LIPA proposed to remove the language. Mr. Nelson said the concern was that changing the existing tariff from using the "best information available" to "best fuel cost information available" raises a question on whether the NYISO would now exclude information it had been using in the past. The second concern is the last sentence could be interpreted as requiring the NYISO to publicly report on a confidential Market Monitoring inquiry. In addition, the NYISO intends to use this language to avoid an obligation to seek a waiver from the violation of the tariff based on an inaccuracy that does not have a market impact. Mr. Johnson said to the purpose of the revision is to address when NYISO experiences a software glitch that has no impact on prices. In these cases, there is an error, but there is no market impact to report to FERC. The NYISO will continue to notify FERC of any market impacts. Mr. Johnson said the NYISO will continue to notify FERC of any market impacts. Mr. Johnson said the NYISO will continue to report errors that impact market clearing prices and is not seeking a waiver of that reporting obligation. Regarding LIPA's edit to Section 23.3.1.4.6.1.1.1, Mr. Schnell asked if LIPA's amendments are intended to permit generators to burn penalty gas and recover the costs of burning that penalty gas through the NYISO. Mr. Nelson said the point was defining unauthorized natural gas use. Mr. Nelson said at this point in time, LIPA was trying to identify unauthorized gas. If the NYISO wants to define penalty gas and wants to propose language specifics for when it is penalty gas, then that is an appropriate definition, but the NYISO has not done that. LIPA said its proposed language grants the ability to burn imbalance gas and to be able to recover the costs, but not be able to burn unauthorized gas during an OFO. The OFO is where LIPA is drawing the line.

Mr. Baker said LIPA's proposed edits were recent information and asked if there was anything in the LIPA's proposed edits that would make NYISO want to reconsider the proposed revisions. Mr. Johnson said the answer was no.

Ms. Kelli Joseph (NRG) said she understood the importance to include reference to the LDC tariff, but all of the LDCs have different tariff language. She thought LIPA might have a valid concern.

Mr. Clarke requested a roll call vote for all of the motions.

#### Motion #3a:

#### Motion to amend motion 3:

The Business Issues Committee ("BIC") hereby recommends that the Management Committee approve changes to the NYISO's Services Tariff Attachment H as described in the presentation entitled "Changes to the Reference Level Manual & MST Attachment H", made to the BIC on August 12, 2015 and, with respect to revisions to MST Section 23.3 as further amended pursuant to the document titled, "LIPA Amendments to Proposed Revisions of MST Section 23.3 (Aug. 10, 2015)." *Motion failed with 25.24% affirmative votes.* 

The BIC voted on the original motion.

#### Motion #3:

The Business Issues Committee ("BIC") hereby recommends that the Management Committee approve changes to the NYISO's Services Tariff Attachment H as described in the presentation entitled "Changes to the Reference Level Manual & MST Attachment H", made to the BIC on August 12, 2015. *Motion passed with 80.18% affirmative votes.* 

Mr. Clarke made a motion to amend and the motion to amend was seconded. Mr. Clarke described his proposed edits to the Reference Level Manual included with the meeting material. He said LIPA believed the OFO changes had broader support and LIPA proposed to delete the balancing charge provisions.

Mr. Younger noted that the BIC voted on changes to the tariff and motion #3 was approved today. He said the Reference Level Manual would need to be consistent with the tariff. He asked the NYISO if the LIPA's proposed changes to the Reference Level Manual would be consistent with motion #3. Mr. Clarke said LIPA's proposed changes were deletions. Mr. Younger said he was not sure if deletions would still be consistent with the tariff. Mr. Schnell said the tariff is always the rule and the manual is the guidance. Market Participants would lack guidance on how the NYISO implements certain tariff rules with LIPA's proposed changes.

Motion #4a: Motion to amend motion 4: The Business Issues Committee ("BIC") hereby approves the Reference Level Manual updates as presented, and discussed and amended at the August 12, 2015 BIC meeting to be implemented the same day as the related Services Tariff (Attachment H) changes also presented to the BIC on August 12, 2015 and described in the presentation entitled "Changes to the Reference Level Manual & MST Attachment H." The amended changes to the Reference Level Manual updates approved by the BIC are set forth in the document titled, "LIPA Amendments to Proposed Reference Level Manual Updates (Aug. 10, 2015)." Approval of the Reference Level Manual updates is contingent on FERC's acceptance of the related Services Tariff changes with no substantive modification. *Motion failed with 25.24% affirmative votes.* 

The BIC voted on the original motion.

#### Motion #4:

The Business Issues Committee ("BIC") hereby approves the Reference Level Manual updates as presented and discussed at the August 12, 2015 BIC meeting to be implemented the same day as the related Services Tariff (Attachment H) changes also presented to the BIC on August 12, 2015 and described in the presentation entitled "Changes to the Reference Level Manual & MST Attachment H." Approval of the Reference Level Manual updates is contingent on FERC's acceptance of the related Services Tariff changes with no substantive modification.

Motion passed with 74.76% affirmative votes.

#### 9. Working Group Updates

**BAWG** – Ms. Debbie Eckels (NYISO) reported that BAWG met on July 24<sup>th</sup> and reviewed the grid accounting report. They also reviewed the KPMG report.

**CPWG** – Ms. Eckels reported that the CPWG discussed the Q4 credit projects which are on schedule. They also reviewed the balance of period TCC credit policy.

**ESPWG** – Mr. Butler reported that ESPWG has had a couple of meetings. They discussed the public policy need in Western NY. They also discussed the nuts and bolts on how to propose public policy projects and become qualified as a potential developer. They will ocntinue to work on the generic solutions for the CARIS report.

**ICAPWG** – Mr. Bob Boyle (NYPA) reported that ICAPWG met on July 23<sup>rd</sup> and discussed the ICAP Spot Market Credit Enhancements and Behind the Meter: Net Generation. On August 10<sup>th</sup>, they discussed the RMR compliance filing. The ICAPWG had five additional meetings scheduled in late August and early September.

**IPTF** – The group did not meet.

LFTF – The group did not meet.

MIWG – Mr. Chris LaRoe (IPNNY) reported that MIWG met to discuss the Reference Level Manual and Attachment H revisions. They also talked about the NYISO's participation in a REV working group.
PRWLG – The group met jointly with ICAPWG to discuss Behind the Meter: Net Genneration.
EGCWG – Mr. Baker said the group had not met, but they are looking to schedule a meeting in September. Stakeholders can submit comments to Ms. Joseph or him.

#### 10. New Business

Mr. DeSocio said Mr. Mahoney had a question earlier about the stakeholder support for 2016 projects and he noted that the July 13<sup>th</sup> BPWG meeting materials contains documents for the NYISO score and the Market Participant score for the 2016 project candidates.

Ms. Caletka reported that the NYISO would be issuing a vice chair solicitation to all Market Participants for nominations. Stakeholders should contact Ms. Eckels if interested.

Meeting adjourned at 12:30 p.m.

## **Business Issues Committee** August 12, 2015 Final Motions

### Motion #1:

Motion to approve the Minutes of the July 15, 2015 meeting.

### Motion passed unanimously.

### <u>Motion #2</u>:

The Business Issues Committee (BIC) hereby approves the revisions to the Transmission Congestion Contracts Manual as presented and discussed at the August 12, 2015 BIC meeting.

Motion passed unanimously with absentions.

### <u>Motion #3a:</u>

### Motion to amend motion 3:

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Motion failed with 25.24% affirmative votes.

### <u>Motion #3:</u>

The Business Issues Committee ("BIC") hereby recommends that the Management Committee approve changes to the NYISO's Services Tariff Attachment H as described in the presentation entitled "Changes to the Reference Level Manual & MST Attachment H", made to the BIC on August 12, 2015.

Motion passed with 80.18% affirmative votes.

### <u>Motion #4a:</u>

### Motion to amend motion 4:

The Business Issues Committee ("BIC") hereby approves the Reference Level Manual updates as presented, and discussed and amended at the August 12, 2015 BIC meeting to be implemented the same day as the related Services Tariff (Attachment H) changes also presented to the BIC on August 12, 2015 and described in the presentation entitled "Changes to the Reference Level Manual & MST Attachment H." <u>The amended changes to</u>

<u>the Reference Level Manual updates approved by the BIC are set forth in the document</u> <u>titled, "LIPA Amendments to Proposed Reference Level Manual Updates (Aug. 10, 2015)."</u>

Approval of the Reference Level Manual updates is contingent on FERC's acceptance of the related Services Tariff changes with no substantive modification.

Motion failed with 25.24% affirmative votes.

### <u>Motion #4:</u>

The Business Issues Committee ("BIC") hereby approves the Reference Level Manual updates as presented and discussed at the August 12, 2015 BIC meeting to be implemented the same day as the related Services Tariff (Attachment H) changes also presented to the BIC on August 12, 2015 and described in the presentation entitled "Changes to the Reference Level Manual & MST Attachment H." Approval of the Reference Level Manual updates is contingent on FERC's acceptance of the related Services Tariff changes with no substantive modification.

Motion passed with 74.76% affirmative votes.

## **Business Issues Committee - August 12, 2015**

#### Motion: Motion #MST H - Motion to Amend

Sector with base percent	%	Active	Quorum	Adj. Percent	For	Against	Abstain	% For	% Against
Generation Owners	21.50	<i>✓</i>		21.50	0.00	0.00	7.00	0.00	0.00
Other Suppliers	21.50		$\checkmark$	21.50	1.00	1.00	8.00	10.75	10.75
Transmission Owners	20.00		$\checkmark$	20.00	0.00	4.00	0.00	0.00	20.00
End Use Consumer			$\checkmark$						
Large Consumer	9.00			9.00	0.00	4.00	0.00	0.00	15.50
Large Cons. Gov. Agency	2.00			2.00	0.00	0.00	0.00	0.00	0.00
Small Consumer	4.50	<b>√</b>	$\checkmark$	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	1.00	1.00	0.00	4.50
Public Power			$\checkmark$						
State Power Authorities	8.00			8.00	2.00	0.00	0.00	9.07	0.00
Munis & Co-ops	7.00			7.00	0.00	3.00	8.00	0.00	7.93
Environmental	2.00			2.00	0.00	0.00	1.00	0.00	0.00
			5	100.00	3.00	13.00	32.00	19.82	58.68
				100.00	Norn	nalize to 10	00% :	25.24	74.76

## **Business Issues Committee - August 12, 2015**

#### Motion: Motion #MST H - Motion to Amend

Sector	Organization	Representative	Affiliate	Present	For	Against
Generation Owners	Indeck Energy Services, Inc.	Younger, Mark	Ν	Y	0.00	0.00
Generation Owners	Astoria Energy LLC		Ν	N	0.00	0.00
Generation Owners	Calpine	LaRoe, Chris	Ν	Y	0.00	0.00
Generation Owners	CPV Valley LLC	Felak, Rich	Ν	Y	0.00	0.00
Generation Owners	East Coast Power, LLC		Ν	N	0.00	0.00
Generation Owners	Entergy Nuclear Northeast	Logan, Kathy	Ν	Y	0.00	0.00
Generation Owners	Innovative Energy Systems		Ν	N	0.00	0.00
Generation Owners	New Athens Generating Co. LLC	Felak, Rich	Ν	Y	0.00	0.00
Generation Owners	Noble Environmental Power LLC		Ν	N	0.00	0.00
Generation Owners	Selkirk Cogen Partners, LP		N	N	0.00	0.00
Generation Owners	TC Ravenswood, Inc.	Congel, Dan	Ν	Y	0.00	0.00
Generation Owners	EDP Renewables North America LLC		Ν	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		Ν	N	0.00	0.00
Generation Owners	Stephentown Spindle, LLC		Ν	N	0.00	0.00
Other Suppliers	BJ Energy LLC		N	N	0.00	0.00
Other Suppliers	Brookfield Energy Marketing		Ν	N	0.00	0.00
Other Suppliers	Citigroup Energy Inc.		Ν	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		N	N	0.00	0.00
Other Suppliers	DTE Energy		N	N	0.00	0.00
Other Suppliers	Dynegy Power Marketing, Inc.		Ν	N	0.00	0.00
Other Suppliers	Energy Spectrum		N	N	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	Leuthauser, Scott	N	Y	0.00	0.00
Other Suppliers	Integrys 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	0.00	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	LaRoe, Chris	N	Y	1.00	0.00
Other Suppliers	SESCO Enterprises, LLC		N	N	0.00	0.00
Other Suppliers	Shell Energy North America, LLC		Ν	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	0.00	1.00
Other Suppliers	BP Energy Company		Ν	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		N	N	0.00	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

Sector	Organization	Representative	Affiliate	Present	For	Against
Other Suppliers	Riverbay Corporation		N	N	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		N	N	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	0.00
Other Suppliers	Powerex Corporation	Tounger, Mark	N	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	Ackerman, Alan	N	Y	0.00	0.00
Other Suppliers	XO Energy NY, LP	Ackerman, Alan	N	N N	0.00	0.00
Transmission Owners	New York State Electric & Gas (NYSEG)	Caletka, Patricia	N	Y	0.00	1.00
Transmission Owners	Central Hudson Gas & Electric Corp.	Borchert, John	N	Y	0.00	1.00
Transmission Owners	· · · · · ·	Quin, Jane	N	Y	0.00	
Transmission Owners	Consolidated Edison Co. of NY, Inc. National Grid		N N	I Y	0.00	1.00 1.00
Transmission Owners		Franey, Bart	Y	N I	0.00	0.00
	Orange & Rockland Utilities, Inc. Rochester Gas and Electric Corp.		Y Y			
Transmission Owners		Lana Kasin	r N	N Y	0.00	0.00
End Use - Large Consumer	Alcoa, Inc.	Lang, Kevin			0.00	1.00
End Use - Large Consumer	IBM Corporation	Lang, Kevin	N	Y	0.00	1.00
End Use - Large Consumer	Occidental Chemical Corp.	Lang, Kevin	N	Y	0.00	1.00
End Use - Large Consumer	Wegmans Food Markets	Lang, Kevin	N	Y	0.00	1.00
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	Lang, Kevin	N	Y	0.00	0.00
End Use - Small Consumer	Beth Israel Health Care System	Lang, Kevin	N	Y	0.00	0.00
End Use - Small Consumer	Fordham University	Lang, Kevin	N	Y	0.00	0.00
End Use - Small Consumer	Memorial Sloan Kettering Cancer Center	Lang, Kevin	N	Y	0.00	0.00
End Use - Small Consumer	Mount Sinai Medical Center	Lang, Kevin	N	Y	0.00	0.00
End Use - Small Consumer	New York University	Lang, Kevin	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	Lang, Kevin	Ν	Y	0.00	1.00
Public Power - State Power Authorities	Long Island Power Authority	Clarke, Dave	N	Y	1.00	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	0.00	0.00
Public Power - Munis & Co-ops	Freeport Electric	Rudebusch, Tom	N	Y	0.00	1.00
Public Power - Munis & Co-ops	Jamestown Board of Public Utilities	Rudebusch, Tom	N	Y	0.00	1.00
Public Power - Munis & Co-ops	Lake Placid Village	Bolbrock, Richard	Ν	Y	0.00	0.00
Public Power - Munis & Co-ops	Municipal Commission of Boonville	Bolbrock, Richard	N	Y	0.00	0.00
Public Power - Munis & Co-ops	Plattsburgh Municipal Lighting Dept	Bolbrock, Richard	N	Y	0.00	0.00
Public Power - Munis & Co-ops	Village of Westfield	Bolbrock, Richard	N	Y	0.00	0.00
Public Power - Munis & Co-ops	Village of Solvay	Bolbrock, Richard	N	Y	0.00	0.00
Public Power - Munis & Co-ops	Village of Arcade	Bolbrock, Richard	N	Y	0.00	0.00
Public Power - Munis & Co-ops	Village of Fairport	Bolbrock, Richard		Y	0.00	0.00
Public Power - Munis & Co-ops	Village of Rockville Centre	Rudebusch, Tom	N	Y	0.00	1.00
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	Bambrick, Conor	N	Y	0.00	0.00
		= which ich, conor				
Public Power - Environmental	Natural Resources Defense Council		N	N	0.00	0.00

Sector	Organization	Representative	Affiliate	Present	For	Against
Public Power - Environmental	Riverkeeper		N	N	0.00	0.00

### Business Issues Committee - August 12, 2015

### Motion: Motion #MST H - Original Motion

Sector with base percent	%	Active	Quorum	Adj. Percent	For	Against	Abstain	% For	% Against
Generation Owners	21.50	<b>\</b>	$\checkmark$	21.50	1.00	0.00	6.00	21.50	0.00
Other Suppliers	21.50		$\checkmark$	21.50	1.00	1.00	8.00	10.75	10.75
Transmission Owners	20.00		$\checkmark$	20.00	4.00	0.00	0.00	20.00	0.00
End Use Consumer			$\checkmark$						
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		$\checkmark$	4.50	0.00	0.00	6.00	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			$\checkmark$						
State Power Authorities	8.00			8.00	0.00	1.00	1.00	0.00	9.07
Munis & Co-ops	7.00			7.00	11.00	0.00	0.00	7.93	0.00
Environmental	2.00	<b>√</b>		2.00	0.00	0.00	1.00	0.00	0.00
			5	100.00	24.00	2.00	22.00	80.18	19.82
				100.00	Norn	nalize to 10	)0% :	80.18	19.82

### **Business Issues Committee - August 12, 2015**

### Motion: Motion #MST H - Original Motion

Sector	Organization	Representative	Affiliate	Present	For	Against
Generation Owners	Indeck Energy Services, Inc.	Younger, Mark	N	Y	0.00	0.00
Generation Owners	Astoria Energy LLC		N	N	0.00	0.00
Generation Owners	Calpine	LaRoe, Chris	N	Y	0.00	0.00
Generation Owners	CPV Valley LLC	Felak, Rich	N	Y	0.00	0.00
Generation Owners	East Coast Power, LLC		Ν	N	0.00	0.00
Generation Owners	Entergy Nuclear Northeast	Logan, Kathy	N	Y	1.00	0.00
Generation Owners	Innovative Energy Systems		Ν	N	0.00	0.00
Generation Owners	New Athens Generating Co. LLC	Felak, Rich	Ν	Y	0.00	0.00
Generation Owners	Noble Environmental Power LLC		Ν	N	0.00	0.00
Generation Owners	Selkirk Cogen Partners, LP		Ν	N	0.00	0.00
Generation Owners	TC Ravenswood, Inc.	Congel, Dan	Ν	Y	0.00	0.00
Generation Owners	EDP Renewables North America LLC		Ν	N	0.00	0.00
Generation Owners	Cricket Valley Energy Center		Ν	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	Ν	Y	0.00	0.00
Generation Owners	Howard Wind LLC		Ν	N	0.00	0.00
Generation Owners	Stephentown Spindle, LLC		Ν	N	0.00	0.00
Other Suppliers	BJ Energy LLC		Ν	N	0.00	0.00
Other Suppliers	Brookfield Energy Marketing		N	N	0.00	0.00
Other Suppliers	Citigroup Energy Inc.		Ν	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		Ν	N	0.00	0.00
Other Suppliers	DTE Energy		Ν	N	0.00	0.00
Other Suppliers	Dynegy Power Marketing, Inc.		Ν	N	0.00	0.00
Other Suppliers	Energy Spectrum		Ν	N	0.00	0.00
Other Suppliers	EnerNoc		Ν	N	0.00	0.00
Other Suppliers	Galt Power	Ackerman, Alan	Ν	Y	0.00	0.00
Other Suppliers	HQ Energy Services US	Leuthauser, Scott	N	Y	0.00	0.00
Other Suppliers	Integrys 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	0.00	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	LaRoe, Chris	N	Y	0.00	1.00
Other Suppliers	SESCO Enterprises, LLC		N	N	0.00	0.00
Other Suppliers	Shell Energy North America, LLC		Ν	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		N	N	0.00	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.		Ν	N	0.00	0.00

Sector	Organization	Representative	Affiliate	Present	For	Against
Other Suppliers	Riverbay Corporation		N	N	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		N	N	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	0.00
Other Suppliers	Powerex Corporation	Tounger, Mark	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	Ackerman, Alan	N	Y	0.00	0.00
Other Suppliers	XO Energy NY, LP	Ackelinali, Alali	N	N N	0.00	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 N	Y	1.00	0.00
		<i>,</i>				
Transmission Owners	Consolidated Edison Co. of NY, Inc.	Quin, Jane	N	Y	1.00	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.	Lang, Kevin	N	Y	1.00	0.00
End Use - Large Consumer	IBM Corporation	Lang, Kevin	N	Y	1.00	0.00
End Use - Large Consumer	Occidental Chemical Corp.	Lang, Kevin	N	Y	1.00	0.00
End Use - Large Consumer	Wegmans Food Markets	Lang, Kevin	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	Lang, Kevin	N	Y	0.00	0.00
End Use - Small Consumer	Beth Israel Health Care System	Lang, Kevin	N	Y	0.00	0.00
End Use - Small Consumer	Fordham University	Lang, Kevin	N	Y	0.00	0.00
End Use - Small Consumer	Memorial Sloan Kettering Cancer Center	Lang, Kevin	N	Y	0.00	0.00
End Use - Small Consumer	Mount Sinai Medical Center	Lang, Kevin	N	Y	0.00	0.00
End Use - Small Consumer	New York University	Lang, Kevin	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	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	Lang, Kevin	N	Y	1.00	0.00
Public Power - State Power Authorities	Long Island Power Authority	Clarke, Dave	N	Y	0.00	1.00
Public Power - State Power Authorities	New York Power Authority	Antinori, Andrew	Ν	Y	0.00	0.00
Public Power - Munis & Co-ops	Bath Electric, Gas & Water Systems	Bolbrock, Richard	Ν	Y	1.00	0.00
Public Power - Munis & Co-ops	Freeport Electric	Rudebusch, Tom	Ν	Y	1.00	0.00
Public Power - Munis & Co-ops	Jamestown Board of Public Utilities	Rudebusch, Tom	Ν	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		Y	1.00	0.00
Public Power - Munis & Co-ops	Village of Solvay		N	Y	1.00	0.00
Public Power - Munis & Co-ops	Village of Arcade	Bolbrock, Richard		Y	1.00	0.00
Public Power - Munis & Co-ops	Village of Fairport	Bolbrock, Richard		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	Bambrick, Conor	N	Y	0.00	0.00
Public Power - Environmental	Natural Resources Defense Council	Bambrick, COllof	N N	I N	0.00	0.00
Public Power - Environmental	PACE Energy & Climate Center		N N	N N	0.00	0.00
r uone rower - Environmental	I ACE Energy & Chinale Center		11	IN	0.00	0.00

Sector	Organization	Representative	Affiliate	Present	For	Against
Public Power - Environmental	Riverkeeper		N	N	0.00	0.00

## Business Issues Committee - August 12, 2015

Motion: Motion #Reference Level Manual - Motion to Amend

Sector with base percent	%	Active	Quorum	Adj. Percent	For	Against	Abstain	% For	% Against
Generation Owners	21.50	<b>\</b>	$\checkmark$	21.50	0.00	0.00	7.00	0.00	0.00
Other Suppliers	21.50		$\checkmark$	21.50	1.00	1.00	8.00	10.75	10.75
Transmission Owners	20.00		$\checkmark$	20.00	0.00	4.00	0.00	0.00	20.00
End Use Consumer			$\checkmark$						
Large Consumer	9.00			9.00	0.00	4.00	0.00	0.00	15.50
Large Cons. Gov. Agency	2.00			2.00	0.00	0.00	0.00	0.00	0.00
Small Consumer	4.50	<b>√</b>	$\checkmark$	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	1.00	1.00	0.00	4.50
Public Power			$\checkmark$						
State Power Authorities	8.00			8.00	2.00	0.00	0.00	9.07	0.00
Munis & Co-ops	7.00			7.00	0.00	3.00	8.00	0.00	7.93
Environmental	2.00	<b>√</b>		2.00	0.00	0.00	1.00	0.00	0.00
			5	100.00	3.00	13.00	32.00	19.82	58.68
				100.00	Norn	nalize to 10	00% :	25.24	74.76

## **Business Issues Committee - August 12, 2015**

#### Motion: Motion #Reference Level Manual - Motion to Amend

Sector	Organization	Representative	Affiliate	Present	For	Against
Generation Owners	Indeck Energy Services, Inc.	Younger, Mark	N	Y	0.00	0.00
Generation Owners	Astoria Energy LLC		Ν	N	0.00	0.00
Generation Owners	Calpine	LaRoe, Chris	Ν	Y	0.00	0.00
Generation Owners	CPV Valley LLC	Felak, Rich	Ν	Y	0.00	0.00
Generation Owners	East Coast Power, LLC		Ν	N	0.00	0.00
Generation Owners	Entergy Nuclear Northeast	Logan, Kathy	Ν	Y	0.00	0.00
Generation Owners	Innovative Energy Systems		Ν	N	0.00	0.00
Generation Owners	New Athens Generating Co. LLC	Felak, Rich	Ν	Y	0.00	0.00
Generation Owners	Noble Environmental Power LLC		Ν	N	0.00	0.00
Generation Owners	Selkirk Cogen Partners, LP		N	N	0.00	0.00
Generation Owners	TC Ravenswood, Inc.	Congel, Dan	Ν	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	BJ Energy LLC		N	N	0.00	0.00
Other Suppliers	Brookfield Energy Marketing		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		Y	N	0.00	0.00
Other Suppliers	DC Energy		N	N	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		N	N	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	Leuthauser, Scott	N	Y	0.00	0.00
Other Suppliers	Integrys 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	0.00	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	LaRoe, Chris	N	Y	1.00	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.	Baker, Liam	N	Y	0.00	1.00
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		N	N	0.00	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.		Ν	N	0.00	0.00

Sector	Organization	Representative	Affiliate	Present	For	Against
Other Suppliers	Riverbay Corporation		N	N	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		N	N	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	0.00
Other Suppliers	Powerex Corporation	Tounger, Mark	N	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	Ackerman, Alan	N	Y	0.00	0.00
Other Suppliers	XO Energy NY, LP	Ackerman, Alan	N	N N	0.00	0.00
Transmission Owners	New York State Electric & Gas (NYSEG)	Caletka, Patricia	N	Y	0.00	1.00
Transmission Owners	Central Hudson Gas & Electric Corp.	Borchert, John	N	Y	0.00	1.00
Transmission Owners	· · · · · · · · · · · · · · · · · · ·	Quin, Jane	N	Y	0.00	
Transmission Owners	Consolidated Edison Co. of NY, Inc. National Grid		N N	I Y	0.00	1.00 1.00
Transmission Owners		Franey, Bart	Y	N I	0.00	0.00
	Orange & Rockland Utilities, Inc. Rochester Gas and Electric Corp.		Y Y			
Transmission Owners		Lana Kasin	r N	N Y	0.00	0.00
End Use - Large Consumer	Alcoa, Inc.	Lang, Kevin			0.00	1.00
End Use - Large Consumer	IBM Corporation	Lang, Kevin	N	Y	0.00	1.00
End Use - Large Consumer	Occidental Chemical Corp.	Lang, Kevin	N	Y	0.00	1.00
End Use - Large Consumer	Wegmans Food Markets	Lang, Kevin	N	Y	0.00	1.00
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	Lang, Kevin	N	Y	0.00	0.00
End Use - Small Consumer	Beth Israel Health Care System	Lang, Kevin	N	Y	0.00	0.00
End Use - Small Consumer	Fordham University	Lang, Kevin	N	Y	0.00	0.00
End Use - Small Consumer	Memorial Sloan Kettering Cancer Center	Lang, Kevin	N	Y	0.00	0.00
End Use - Small Consumer	Mount Sinai Medical Center	Lang, Kevin	N	Y	0.00	0.00
End Use - Small Consumer	New York University	Lang, Kevin	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	Lang, Kevin	Ν	Y	0.00	1.00
Public Power - State Power Authorities	Long Island Power Authority	Clarke, Dave	N	Y	1.00	0.00
Public Power - State Power Authorities	New York Power Authority	Antinori, Andrew	Ν	Y	1.00	0.00
Public Power - Munis & Co-ops	Bath Electric, Gas & Water Systems	Bolbrock, Richard	N	Y	0.00	0.00
Public Power - Munis & Co-ops	Freeport Electric	Rudebusch, Tom	N	Y	0.00	1.00
Public Power - Munis & Co-ops	Jamestown Board of Public Utilities	Rudebusch, Tom	N	Y	0.00	1.00
Public Power - Munis & Co-ops	Lake Placid Village	Bolbrock, Richard	Ν	Y	0.00	0.00
Public Power - Munis & Co-ops	Municipal Commission of Boonville	Bolbrock, Richard	Ν	Y	0.00	0.00
Public Power - Munis & Co-ops	Plattsburgh Municipal Lighting Dept	Bolbrock, Richard	N	Y	0.00	0.00
Public Power - Munis & Co-ops	Village of Westfield	Bolbrock, Richard	N	Y	0.00	0.00
Public Power - Munis & Co-ops	Village of Solvay	Bolbrock, Richard	N	Y	0.00	0.00
Public Power - Munis & Co-ops	Village of Arcade	Bolbrock, Richard	N	Y	0.00	0.00
Public Power - Munis & Co-ops	Village of Fairport	Bolbrock, Richard		Y	0.00	0.00
Public Power - Munis & Co-ops	Village of Rockville Centre	Rudebusch, Tom	N	Y	0.00	1.00
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	Bambrick, Conor	N	Y	0.00	0.00
		= which ich, conor				
Public Power - Environmental	Natural Resources Defense Council		N	N	0.00	0.00

Sector	Organization	Representative	Affiliate	Present	For	Against
Public Power - Environmental	Riverkeeper		N	N	0.00	0.00

### **Business Issues Committee - August 12, 2015**

#### Motion: Motion #Reference Level Manual - Original Motion

Sector with base percent	%	Active	Quorum	Adj. Percent	For	Against	Abstain	% For	% Against
Generation Owners	21.50	<	$\checkmark$	21.50	0.00	0.00	7.00	0.00	0.00
Other Suppliers	21.50	1	$\checkmark$	21.50	1.00	1.00	8.00	10.75	10.75
Transmission Owners	20.00	<b>√</b>	$\checkmark$	20.00	4.00	0.00	0.00	20.00	0.00
End Use Consumer			$\checkmark$						
Large Consumer	9.00	$\checkmark$		9.00	4.00	0.00	0.00	15.50	0.00
Large Cons. Gov. Agency	2.00	<b>√</b>		2.00	0.00	0.00	0.00	0.00	0.00
Small Consumer	4.50	<b>√</b>	$\checkmark$	4.50	0.00	0.00	6.00	0.00	0.00
Gov. State-wide Cons. Advocate	2.70	<b>√</b>		2.70	1.00	0.00	0.00	2.70	0.00
Gov. Sm. Cons. & Retail Aggr.	1.80	$\checkmark$		1.80	2.00	0.00	0.00	1.80	0.00
Public Power			$\checkmark$						
State Power Authorities	8.00	$\checkmark$		8.00	0.00	1.00	1.00	0.00	9.07
Munis & Co-ops	7.00	$\checkmark$		7.00	3.00	0.00	8.00	7.93	0.00
Environmental	2.00	✓		2.00	0.00	0.00	1.00	0.00	0.00
			5	100.00	15.00	2.00	31.00	58.68	19.82
				100.00	Norn	nalize to 10	)0% :	74.76	25.24

### Business Issues Committee - August 12, 2015

#### Motion: Motion #Reference Level Manual - Original Motion

Sector	Organization	Representative	Affiliate	Present	For	Against
Generation Owners	Indeck Energy Services, Inc.	Younger, Mark	N	Y	0.00	0.00
Generation Owners	Astoria Energy LLC		Ν	N	0.00	0.00
Generation Owners	Calpine	LaRoe, Chris	Ν	Y	0.00	0.00
Generation Owners	CPV Valley LLC	Felak, Rich	Ν	Y	0.00	0.00
Generation Owners	East Coast Power, LLC		Ν	N	0.00	0.00
Generation Owners	Entergy Nuclear Northeast	Logan, Kathy	Ν	Y	0.00	0.00
Generation Owners	Innovative Energy Systems		Ν	N	0.00	0.00
Generation Owners	New Athens Generating Co. LLC	Felak, Rich	Ν	Y	0.00	0.00
Generation Owners	Noble Environmental Power LLC		Ν	N	0.00	0.00
Generation Owners	Selkirk Cogen Partners, LP		Ν	N	0.00	0.00
Generation Owners	TC Ravenswood, Inc.	Congel, Dan	Ν	Y	0.00	0.00
Generation Owners	EDP Renewables North America LLC		Ν	N	0.00	0.00
Generation Owners	Cricket Valley Energy Center		Ν	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		Ν	N	0.00	0.00
Generation Owners	Stephentown Spindle, LLC		N	N	0.00	0.00
Other Suppliers	BJ Energy LLC		N	N	0.00	0.00
Other Suppliers	Brookfield Energy Marketing		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		Y	N	0.00	0.00
Other Suppliers	DC Energy		Ν	N	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		N	N	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	Leuthauser, Scott	N	Y	0.00	0.00
Other Suppliers	Integrys 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	0.00	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	LaRoe, Chris	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		N	N	0.00	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.		Ν	N	0.00	0.00

Sector	Organization	Representative	Affiliate	Present	For	Against
Other Suppliers	Riverbay Corporation		N	N	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		N	N	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	0.00
Other Suppliers	Powerex Corporation	Tounger, Mark	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	Ackerman, Alan	N	Y	0.00	0.00
Other Suppliers	XO Energy NY, LP	Ackennan, Alan	N	N I	0.00	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
		<i>,</i>				
Transmission Owners	Consolidated Edison Co. of NY, Inc.	Quin, Jane	N	Y	1.00	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.	Lang, Kevin	N	Y	1.00	0.00
End Use - Large Consumer	IBM Corporation	Lang, Kevin	N	Y	1.00	0.00
End Use - Large Consumer	Occidental Chemical Corp.	Lang, Kevin	N	Y	1.00	0.00
End Use - Large Consumer	Wegmans Food Markets	Lang, Kevin	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	Lang, Kevin	N	Y	0.00	0.00
End Use - Small Consumer	Beth Israel Health Care System	Lang, Kevin	N	Y	0.00	0.00
End Use - Small Consumer	Fordham University	Lang, Kevin	N	Y	0.00	0.00
End Use - Small Consumer	Memorial Sloan Kettering Cancer Center	Lang, Kevin	N	Y	0.00	0.00
End Use - Small Consumer	Mount Sinai Medical Center	Lang, Kevin	N	Y	0.00	0.00
End Use - Small Consumer	New York University	Lang, Kevin	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	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	Lang, Kevin	Ν	Y	1.00	0.00
Public Power - State Power Authorities	Long Island Power Authority	Clarke, Dave	N	Y	0.00	1.00
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	0.00	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	Ν	Y	1.00	0.00
Public Power - Munis & Co-ops	Lake Placid Village	Bolbrock, Richard	Ν	Y	0.00	0.00
Public Power - Munis & Co-ops	Municipal Commission of Boonville	Bolbrock, Richard	N	Y	0.00	0.00
Public Power - Munis & Co-ops	Plattsburgh Municipal Lighting Dept	Bolbrock, Richard	N	Y	0.00	0.00
Public Power - Munis & Co-ops	Village of Westfield	Bolbrock, Richard	N	Y	0.00	0.00
Public Power - Munis & Co-ops	Village of Solvay	Bolbrock, Richard	N	Y	0.00	0.00
Public Power - Munis & Co-ops	Village of Arcade	Bolbrock, Richard		Y	0.00	0.00
Public Power - Munis & Co-ops	Village of Fairport	Bolbrock, Richard		Y	0.00	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	Bambrick, Conor	N	Y	0.00	0.00
Public Power - Environmental	Natural Resources Defense Council	Zumerick, Conor	N	N N	0.00	0.00
Public Power - Environmental	PACE Energy & Climate Center		N	N	0.00	0.00
	I ACE Energy & Chinate Celler		14	IN	0.00	0.00

Sector	Organization	Representative	Affiliate	Present	For	Against
Public Power - Environmental	Riverkeeper		N	N	0.00	0.00

## New York Independent System Operator - Committee Membership

### Business Issues Committee - August 12, 2015 - NYISO - Parties Checked in Attendance

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
sstoria Energy LLC	Generation Owners	McCall, Chuck	Habib , Phillipe	Singer, Leonard							
PV Valley LLC	Generation Owners	Remillard, Steven	Litchfield , Matt	Bruno , Michael	Felak, Rich						
alpine	Generation Owners	Kruse, Brett	Reitmeyer, Jay	Flumerfelt, John	Schleimer, Steve	LaRoe , Chris					
ricket Valley Energy Center	Generation Owners	De Meyere , Bob	Wallenstein, Arnold	Ahrens, Jeff							
DP Renewables North America LLC	Generation Owners	Kaplan , Seth	Grimes , Mike	Nemeth, Jeffrey	Harmon, Brad						
ast Coast Power, LLC	Generation Owners	Shanker, Roy	Fogarty, Thomas	Fisher, Amy							
ntergy Nuclear Northeast	Generation Owners	🗸 Logan , Kathy	Potkin, Marc	🗸 Saia, Doreen	Del Orto, Ken						
loward Wind LLC	Generation Owners	Merich, Olivia	Rugh , Chris								
ndeck Energy Services, Inc.	Generation Owners	Ferguson, Mike	Schrage, John	Vounger, Mark							
nnovative Energy Systems	Generation Owners	Zeliff, Peter	Henningham, Scott								
wenergy Energy Management LLC	Generation Owners	Ma , Alex	Goldstein, Michael	Orzel, Chris							
ational Grid Generation LLC	Generation Owners	Kain, Terrence	McCabe, Brian								
ew Athens Generating Co. LLC	Generation Owners	Breen, Jack	Litchfield, Matt	DeVinney, Dan	Felak, Rich						
oble Environmental Power LLC	Generation Owners	Silton , Harry									
elkirk Cogen Partners, LP	Generation Owners	Biittig, Timothy	Ryan, James								
omerset Operating Company, LLC	Generation Owners	🗸 Evanoski , Dave	Goodenough, Jeery	McManus, John							
ephentown Spindle, LLC	Generation Owners	Hebert, Chris	Bullwinkel, Aaron	O'Brien, Robin							
C Ravenswood, Inc.	Generation Owners	Taylor, William	DAndrea, James	Congel, Dan	Hachey, Mike						
J Energy LLC	Other Suppliers	Ni, Bing	Lee, George								
P Energy Company	Other Suppliers	Prescott, Randy	Magruder, Kathy	Bassett, Jeffrey							
lueRock Energy, Inc.	Other Suppliers	Nichols , Jim	Eno, Jason	VanHorne, Phil	Gipson , Jon						
rookfield Energy Marketing Power	Other Suppliers	Mitreski, Aleksandar	Mitelman, Rimma	Dallaire, Eric	A alcommon Al-						
	Other Suppliers	Markham, Craig	Lacey, Frank	Damaskos, Deno	🗸 Ackerman, Alan						
stleton Commodities Merchant Trading L.P.	Other Suppliers	Stuss, Gordon Travers Barry	Cheong, Mei								
tigroup Energy Inc. on Edison Solutions Inc.	Other Suppliers Other Suppliers	Trayers, Barry Mah, Norman	Wample Store								
			Wemple, Steve	Viel Storen							
onstellation New Energy oss Sound Cable Company, LLC	Other Suppliers Other Suppliers	McCartney, Glen Reinhart, Brian	Wentlent, Chris Rotger, Jose	Kirk , Steven							
C Energy	Other Suppliers	Bleiweis, Bruce	Stevens, Andrew	Tate, Matthew	Milberg, Sadao	Kuo, David					
TE Energy	Other Suppliers	Pakela, Gregory	Wieszczyk, Raymond	German, Robert	innoong, buuto	Luo, Duriu					
rect Energy Business Marketing, LLC	Other Suppliers	Philips , Marjorie	Comstock, Read								
negy Power Marketing, Inc.	Other Suppliers	Roby, Rick	Ellis, Dean	Daley, Marty							
DF Trading North America, LLC	Other Suppliers	Erbrick , Michael	LeForce, Randall								
herNoc	Other Suppliers	Brewster, David	Breidenbaugh, Aaron	Geller , Greg							
nergy Spectrum	Other Suppliers	David, Gary	Ahrens, David	Neiburg, David	Iskowitz, Aron	Brown, Ruben	Pentland, William	Villegas , Cristina			
ergy Technology Savings	Other Suppliers	Hendler, Jeff	Ross, Valerie	Nudelman , Craig							
nergyConnect	Other Suppliers	Campbell, Bruce	Davis, Robert	Lawrence , David							
kelon Generating Co. LLC	Other Suppliers	McCartney, Glen	Wentlent, Chris	Kirk , Steven	Sears , Deborah						
DF Suez Energy NA, Inc.	Other Suppliers	Levine, Jeffrey	Hawkins , Darin	Campbell, Chad							
lt Power	Other Suppliers	Fernands, Rochelle	🗸 Ackerman, Alan								
Q Energy Services US	Other Suppliers	Bernier , Luc	Collins , Kyle	🗸 Leuthauser, Scott	Vennes, Yannick						
noventive Power	Other Suppliers	Gruber , Craig	Halford, Steve								
egrys Energy Services of New York, Inc	Other Suppliers	Haugh, Michael									
yonsdale Biomass, LLC	Other Suppliers	Ralston, William	Hebel, Nathan	Carrigan, Kathleen							
ercuria Energy America, Inc.	Other Suppliers	Davis, Andrew	Younger, Mark								
organ Stanley Capital Group, Inc.	Other Suppliers	Murray, Patrick	Kochonies, Karen	Ezickson, Doron							
RG Power Marketing Inc.	Other Suppliers	🗸 Joseph , Kelli	Fuller, Peter	Neal, David							
extEra Energy	Other Suppliers	Applebaum, David	Gardner, Michelle	Gil , David							
oble Americas Gas & Power Corp.	Other Suppliers	Boston , Roy	Kyle , Chris	Sunga, Leonard							
tario Power Generation, Inc.	Other Suppliers	Lacivita, Ken	Gell, Richard	Barr, David	Sheinfield, Joel						
EG Energy Resource & Trade, LLC	Other Suppliers	Fromer, Howard	Carretta, Kenneth	Messmer, Robert	Murawski, James					🗸 LaRoe, Chris	
werex Corporation	Other Suppliers	Tang , Glen	Dion, Julien	Fichten, Murray							
psol Energy North America Corporation	Other Suppliers	Moreton, Samuel	Horvath, Peter								
verbay Corporation	Other Suppliers	Merola, Peter	Freedman, Herbert	Ahrens, David	Villegas, Cristina						
SCO Enterprises, LLC	Other Suppliers	Schubiger, Michael	Thoresen, James								
ell Energy North America, LLC	Other Suppliers	Picardi, Matt	French, Dave								
len Energy	Other Suppliers	Hyzinski , Tom	Greening, Michele		** * ***						
ransCanada Power Marketing, Ltd.	Other Suppliers	Taylor, William	D'Andrea, James	🗸 Congel, Dan	Hachey, Mike				1		

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6
U.S. Power Generating Co.	Other Suppliers	Baker, Liam	Reese, John	LaRoe , Chris				
Viridity Energy, Inc.	Other Suppliers	Freifeld , Allen		•				
Vitol Inc.	Other Suppliers	Wadsworth, Joe	Viola , Bob	Kam, Kenney				
XO Energy NY, LP	Other Suppliers	Drangula , Carey	Thompson , Matthew	Hughes, Adam				
Central Hudson Gas & Electric Corp.	Transmission Owners	Borchert , John	Chan, Ting	Seitz, Diane	Dittmann, David			
Consolidated Edison Co. of NY, Inc.	Transmission Owners	🗸 Quin , Jane	Nachmias, Stuart	Altobell, Deidre	Butler , Scott	Butterklee, Neil		
National Grid	Transmission Owners	🗸 Franey, Bart	Lodemore, David					
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	George, Quintin	Luthin, Catherine	Dowling, John	Loughney, Robert	Mager, Michael	🗸 Lang, Kevin	
Association for Energy Affordability	Small Consumer	Morris, Jackson	Hepinstall, David	Strauss, Valerie				
Beth Israel Health Care System	Small Consumer	Luthin, Catherine	Dowling, John	Loughney, Robert	Mager, Michael	Lang, Kevin		
Fordham University	Small Consumer	Dowling, John	Luthin, Catherine	Loughney, Robert	Mager, Michael	Lang, Kevin		
Memorial Sloan Kettering Cancer Center	Small Consumer	Dowling, John	Luthin, Catherine	Loughney, Robert	Mager, Michael	Lang, Kevin		
Mount Sinai Medical Center	Small Consumer	Luthin, Catherine	Dowling, John	Loughney, Robert	Mager, Michael	Lang, Kevin		
New York University	Small Consumer	Luthin, Catherine	Dowling, John	Loughney, Robert	Mager, Michael	🗸 Lang, Kevin		
Utility Intervention Unit, Division of Consumer Protection, NY Dept. of State	Government Statewide Consumer Advocate	🖌 Hogan , Erin	Rigberg, Saul	Montalvo, Marc	Pereira , Alvaro			
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	Williams, John	✓ Hall , Christopher	d'Aversa, Jon-Paul				
Long Island Power Authority	State Power Authorities	Clarke, Dave	Wilczek , Mariann					
New York Power Authority	State Power Authorities	Antinori, Andrew	Boyle, Bob	Fossa, Andrea	Mahoney , Daniel	Wilkie, Brian		
Bath Electric, Gas & Water Systems	Municipalities and Coops	Moore, Ken	Bolbrock, Richard	Cordeiro, Mark				
Freeport Electric	Municipalities and Coops	Livingston, Al	Kimlingen, Ted	Rudebusch, Tom	Fiore, Chris			
Jamestown Board of Public Utilities	Municipalities and Coops	Gustafson, David	Leathers, David	Kulig, Steve	Rudebusch, Tom			
Lake Placid Village	Municipalities and Coops	Kroha, Peter	Bolbrock, Richard	Cordeiro, Mark				
Municipal Commission of Boonville	Municipalities and Coops	Stabb, Kenneth	Bolbrock, Richard	Cordeiro, Mark				
Plattsburgh Municipal Lighting Dept	Municipalities and Coops	Treacy, William	Bolbrock, Richard	Cordeiro, Mark				
Village of Arcade	Municipalities and Coops	Kilburn, Larry	Bolbrock, Richard	Cordeiro, Mark				
Village of Fairport	Municipalities and Coops	Moore, Ken	Bolbrock, Richard	Cordeiro, Mark				
Village of Rockville Centre	Municipalities and Coops	Andreas, Philip	Cardile , Thomas	🗸 Rudebusch, Tom				
Village of Solvay	Municipalities and Coops	Mondre, Judith	Bolbrock, Richard	Cordeiro, Mark				
Village of Westfield	Municipalities and Coops	Hamilton, James	Bolbrock, Richard	Cordeiro, Mark				
American Lung Association American Wind Energy Association	Environmental Environmental	Gahl , David Reynolds , Anne	Seilback, Michaek Gramlich, Robert	Miller, Edward				
Environmental Advocates	Environmental	Bambrick , Conor	Gahl, David	Morris, Jackson				
Natural Resources Defense Council	Environmental	Morris, Jackson	Clements, Allison	Kennedy, Kit				
PACE Energy & Climate Center	Environmental	Gahl, David	Bowie , John	Morris, Jackson				
Riverkeeper	Environmental	Gallay , Paul	Gahl, David	Morris, Jackson				
Ace Energy Company, Inc.	Non Voting	Lynch, Stephen						
Alliance for Clean Energy New York	Non Voting	Reynolds, Anne						
Anbaric Northeast Transmission Development Co.	Non Voting	Sanderson, Barry						
Beacon Power LLC	Non Voting	Hebert, Chris	Bullwinkel, Aaron	O'Brien, Robin				
Boston Energy Marketing & Trading	Non Voting	Kramek , Mike						
Boundless Energy, LLC Bruce Power	Non Voting Non Voting	Tompkins John, E. Viswanathan, Samira	Pratt , Charles Meyer , Sandra					
Caithness Energy LLC	Non Voting Non Voting	Keevill, Gary	Collins, Kevin	Garber, Mitchell				
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	🗸 Lundin , Tim		
Demand Response Partners	Non Voting	Dorn, Andrew	Almeter , Carl	Hourihan, Michael				
Ecogen	Non Voting	Hagner, Thomas						
Energetix, Inc.	Non Voting	Comstock , Read						
Energy Curtailment Specialists	Non Voting	Pieniazek, Marie	Scheiderich , Jim	Lynch, Stephen	Korczykowski, Jim			
Energya VM	Non Voting	Ortiz Lopez, Jose Ignacio	Adell Almazan , Miguel	I		I		

	Alternate7	Proxy	Guest
			✔ Brophy, Rick
I		I	

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	Begley, Jeff	Doll, Ed							
Great Bay Energy IV, LLC	Non Voting	Franco, Eugene	Colon, Antonio								
Judson River Energy Group	Non Voting	Radigan, Frank	Canfield, Richard								
Iydro-Quebec TransEnergie	Non Voting	Prevost, Michel									
berdrola Renewables Inc	Non Voting	Allen, Thresa									
nnovari, Inc.	Non Voting	Lunt, Robin	Hodges, Brent								
MAG Energy Solutions, Inc.	Non Voting	Roberge, Martin	Vezina, Alexandre								
VYS Department of Public Service	Non Voting	Paynter , Thomas	Evans, Adam								
National Fuel Gas Distribution Corporation	Non Voting	Novak , Michael	Eck , Robert								
lew York Transco	Non Voting	Nachmias, Stuart	Lahtinen, James	Allen, Richard							
loble Americas Energy Solutions	Non Voting	Sun , Jungsuk	Nakhonthap, Jade	Sunga, Leonard							
Iortheast Clean Heat & Power Initiative	Non Voting	De Veer, Henrietta	Lilian, Jon	Dwyer, Herb	Brown, Ruben	Cinadr , Matt	Martin, Nicholas	Villegas, Cristina			
luEnergen	Non Voting	Hamilton , Sandy	Korczykowski, Ryan								
ower Supply Services LLC	Non Voting	Phillips , Gabriel	Abend , Erik								
BC Energy Services, LP	Non Voting	Burnham, Steve	Fraiture, Christian	Doolittle, Robin							
ENEW Northeast	Non Voting	Pullaro, Francis	Krich , Abigail								
ES Americas, Inc.	Non Voting	Fernandes, John	Boyd, Dan								
ed Wolf Energy Trading, LLC	Non Voting	Sharma , Rishi									
aracen Energy East LP	Non Voting	Peebles, Andy									
aranac Power Partners	Non Voting	Wible , Steven									
iemens Energy, Inc.	Non Voting	Feltes, James									
aylor Biomass Energy, LLC	Non Voting	Taylor , Jim	Page, Allan								
ransAlta Energy Marketing (U.S.) Inc.	Non Voting	Nivolianitis , Ted									
ransmission Developers Inc.	Non Voting	Jessome, Donald	Helmer, William								
Villiam P. Short	Non Voting	Short, William	Schaefer, Marc		Savage, Paul	Verna, Jim					

#### NYISO Employees

DeSocio, Mike Dixon, Kirk Eckels, Debbie Johnson, Shaun Niazi, Tariq Schnell, Alex Smith, Zach Travaly, Lisa