### Special NYISO Business Issues Committee Meeting Minutes June 1, 2012

10:00 a.m – 11:00 a.m.

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

The chair of the Business Issues Committee (BIC), Mr. Alan Ackerman (Customized Energy Solutions), 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. Market Operations/Seams Report

Mr. Chris Russell (NYISO) reviewed the presentation included with the meeting material. The NYISO received a partial month invoice for April, 2012 of \$255,000 from the Midwest Independent System Operator (MISO) for the cost allocation of International Transmission Company's (ITC) Michigan Phase Angle Regulators (PARs). The NYISO used its Working Capital Fund to pay the invoice because there are no tariff provisions in place to permit the NYISO to recover these charges from its customers. The NYISO is litigating the allocation through FERC proceedings and will litigate the issue to the D.C. Circuit Court of Appeals, if necessary. The NYISO proposed tariff revisions that permits it to pass charges it receives from MISO for the ITC PARS to its customers.

In response to a question on why the tariff revisions are needed, Mr. Russell said the NYISO has to recover the cost, and once FERC or DC Circuit reach a decision, then the NYISO needs to have a mechanism in place to allow it to refund the money without being required to re-open closed billing months.

Mr. Howard Fromer (PSEG) asked for other examples of non-ISO's facilities subject to OATT Rate Schedule 1 Section 6.1.6. Mr. Russell said there are two: Ramapo PARs and Station 80 and they are both identified in this tariff section. Mr. Schnell explained that, unlike the Ramapo PARs and Station 80, the ITC PARs are not "needed for the economic and reliable operation of the NYS Transmission System."

Mr. David Clarke (LIPA) said that LIPA has noted its disagreement with MISO and ITC in previous meetings. It's clear that the DFAX method that the ITC and MISO is using does not make sense for a lot of reasons. LIPA has enumerated those reasons in its testimony submitted in the case and LIPA thinks that its case is strong and New York will receive a refund. The issue is if New York loses, and MISO and ITC prevail in that legal proceeding, then stakeholders should work to identify which entities in NY are causing the power flows that MISO and ITC are complaining about. LIPA is not pre-judging the outcome. Ultimately, a stakeholder discussion should be held if NY does not prevail in its case. LIPA envisions that the stakeholder discussion should look at both how cost allocation is addressed going forward and reconsider how funds are collected including the period when FERC was deciding the case.

Mr. Russell said the NYISO is open to having stakeholder discussions down the road. The NYISO's main concern is getting a mechanism in place to pay these charges. He added that the discussions should be to address PAR cost allocation on a going forward basis.

Mr. Fromer asked if LIPA's concern is that the current load/ratio mechanism is not the best way of spreading the cost, that there might be a better mechanism. Mr. Clarke said it's not exclusively a load issue. One issue of cost causation is extent to which transactions from one ISO to another impacts flows on the PARs. LIPA envisions an open discussion on the nature of the PAR costs.

Mr. Fromer expressed a concern that entities could be allocated these costs for NY transactions retroactively. Mr. Fromer said transactions that were scheduled based on the costs that an MP knew about at the time it scheduled the transaction could become uneconomic if additional charges are imposed after-the-fact, and noted entities will discover that they have long settled transactions with a new cost associated with them. Mr. Rich Bolbrock (NYMPA) agreed with Mr. Fromer, but said it's not clear to him if it is a load issue and whether loads should bear these costs alone. Mr. Bolbrock said his interim preference is to use the Rate Schedule 1 (RS1) 72/28 allocation to pay for these costs. Mr. Rich Miller (Con Ed) supported Mr. Bolbrock. He noted that the Michigan PARs are providing no benefits to NY customers because they have to work in conjuction with the Canadian PARs and Con Ed thinks this should be treated as an administrative expense under RS1, as opposed to put it in a category with other facilities that actually do provide benefits for the operation of the NYISO. NYSEG/RGE supported Con Ed.

Ms. Doreen Saia (GenOn) asked on what basis the Transmission Owners (TOs) can reasonably suggest that a transmission structure should be charged to suppliers. Mr. Fromer noted this is a cost for the users of the transmission system and to extend a classic load cost to suppliers is an unacceptable change in direction that he cannot support. TC Ravenswood, Edison Mission and Entergy agreed with Mr. Fromer.

Mr. Paul Gioia (representing TOs) said no one is suggesting a different cost allocation mechanism now, but noting that if and when FERC decides, there would be stakeholder discussion to decide on the allocation. Mr. Miller noted that Con Ed may propose to make an amendment at the Management Committee.

Ms. Saia said that she assumed that the NYSIO needed to pay this bill, and would replenish the working capital fund once the Loads paid. Mr. Russell stated this was correct.

Mr. Tom Rudebusch (NYAPP) asked why the NYISO didn't use Attachment Z. He expressed a concern that by using Section 6.1.6, the NYISO is suggesting that the PARs are useful. He said that this is a litigation expense. Mr. Schnell noted that NYISO made clear in the tariff language that the PARs are of no use to NY. Mr. Miller agreed with Mr. Rudebusch and said this is what differentiates it from what suppliers have said that this is facility that provides benefits that loads would normally pay for. Ms. Saia said if Con Ed is right, then FERC will refund the money. She noted that this is a charge that is being assessed to loads for use of the transmission system. She hopes the loads are successful at FERC because it is not fair to assign cost of facilities to loads that did not have a say in designing, administering, or developing the facilities.

Mr. Clarke offered an amendment to the original motion. Mr. Clarke's amended motion wholly replaced the original motion and is the motion that was ultimately voted on and approved by the BIC. The text of Mr. Clarke's amended motion is set forth as Motion #1, below.

Mr. Schnell noted that NYISO was concerned with item 3 of the amendment, that proposes to impose costs retroactively. Mr. Fromer noted he had a fundamental problem that costs would need to be

determined that extends beyond loads. He added that he would have s no problem if the Transmission Owners want to come up with an alternative that would allocate the cost better among loads. Ms. Saia appreciated that TOs used language to further their position in the case, but it doesn't change the fact that this is a load cost. She expressed a concern that the motion could lead to retroactive ratemaking.

Mr. Schnell noted that the NYISO would refund the money to those who paid it to the best of its ability. Mr. Clarke said LIPA would strongly support allocating any refunds to the entities that paid the charges.

Mr. Fromer asked if a final decision is made in the NYISO's favor, then there would no longer be a need for this tariff revision. Mr. Schnell said the NYISO would file to withdraw it after it is deemed to be no longer necessary, which would take place after a refund is issued.

Mr. Schnell asked if the TOs would be amenable to putting in place the NYISO's proposal for six months and then coming up with a better mechanism. National Grid, Central Hudson, NYPA, LIPA, and NYSEG/RGE said they would support it. Mr. Schnell said the NYISO would work with stakeholders on the mechanism, but does have a concern on whether it would be retroactive. Mr. Schnell said the NYISO would work with stakeholders and determine what needs to be done by studying different proposals to address cost allocation mechanism concerns. Mr. Jeffrey Levine (GDF Suez) asked if NYISO would start the stakeholder process before FERC's decision. Mr. Schnell said that, if necessary to reach agreement, the NYISO would do so without prejudging the outcome.

Mr. Paul Gioia (representing TOs) suggested that the BIC should move forward with its own motion and then seek to improve the proposal prior to the Management Committee (MC) vote. Mr. Clarke agreed with Mr. Gioia. Mr. Fromer asked for clarification in the minutes that item 2 of the amended motion was the subject of the proposal from the June 1 BIC meeting and parties are seeking to improve the language prior to the MC.

#### Motion #1:

The Business Issues Committee (BIC) hereby recommends that the Management Committee (MC) recommend to the NYISO's Board of Directors (Board) that: (1) the Board take official notice that both the BIC and MC strongly disagree with FERC's Order requiring NYISO, even on an interim basis subject to refund, to pay International Transmission Company (ITC) for charges or payments it receives from the Midwest Independent Transmission System Operator, Inc. related to ITC's Bunce Creek replacement phase angle regulators (Replacement PARS); (2) the submission of temporary revisions to Rate Schedule 1 to the NYISO's Open Access Transmission Tariff (Temporary Recovery Mechanism ) to permit the NYISO to recover and/or refund charges/payments on an interim basis until such time as the FERC issues a final order on the merits of the ITC proposal to allocate the cost of its Replacement PARs to the NYISO, at which time the NYISO will establish a stakeholder process to consider either a refund mechanism (including interest) or a more permanent recovery mechanism and, the appropriate form of any such mechanism; (3) to the extent a more permanent mechanism is needed or implemented, it shall adjust for the prior period the Temporary Recovery Mechanism was in place; and (4) the issuance of a statement by the Board that this interim tariff filing is being submitted under protest and shall not constitute any precedent with respect to the merits of the ITC claim for compensation or the appropriate recovery mechanism for such payments to ITC for its Replacement PARs should one be needed on a permanent basis.

The motion passed with 70.63 affirmative votes

Motion #1a

### Motion to amend motion 1. The motion passed with 67.77 affirmative votes

### 3. New Business

No new business. Meeting adjourned at 11:00 a.m.

### Business Issues Committee Meeting June 1, 2012 Final Motions

### Motion #1:

The Business Issues Committee (BIC) hereby recommends that the Management Committee recommend to the NYISO's Board of Directors the submission of revisions to Rate Schedule 1 to the NYISO's Open Access TransmissionTariff to permit the NYISO to recover and/or refund charges/payments it receives from the Midwest Independent Transmission System Operator, Inc. related to International Transmission Company's Bunce Creek phase angle Regulators.

The Business Issues Committee (BIC) hereby recommends that the Management Committee (MC) recommend to the NYISO's Board of Directors (Board) that: (1) the Board take official notice that both the BIC and MC strongly disagree with FERC's Order requiring NYISO, even on an interim basis subject to refund, to pay International Transmission Company (ITC) for charges or payments it receives from the Midwest Independent Transmission System Operator, Inc. related to ITC's Bunce Creek replacement phase angle regulators (Replacement PARS); (2) the submission of temporary revisions to Rate Schedule 1 to the NYISO's Open Access Transmission Tariff (Temporary Recovery Mechanism) to permit the NYISO to recover and/or refund charges/payments on an interim basis until such time as the FERC issues a final order on the merits of the ITC proposal to allocate the cost of its Replacement PARs to the NYISO, at which time the NYISO will establish a stakeholder process to consider either a refund mechanism (including interest) or a more permanent recovery mechanism and, the appropriate form of any such mechanism; (3) to the extent a more permanent mechanism is needed or implemented, it shall adjust for the prior period the Temporary Recovery Mechanism was in place; and (4) the issuance of a statement by the Board that this interim tariff filing is being submitted under protest and shall not constitute any precedent with respect to the merits of the ITC claim for compensation or the appropriate recovery mechanism for such payments to ITC for its Replacement PARs should one be needed on a permanent basis.

The motion passed with 70.63 affirmative votes

#### Motion #1a

Motion to amend motion 1. *The motion passed with 67.77 affirmative votes* 

# **Business Issues Committee - June 01, 2012**

### Motion: Motion #1

Sector with base percent	%	Active	Quorum	Adj. Percent	For	Against	Abstain	% For	% Against
Generation Owners	21.50	<b>\</b>	Х	4.03	0.00	2.00	1.00	0.00	4.03
Other Suppliers	21.50		$\checkmark$	21.50	2.00	4.00	4.00	7.17	14.33
Transmission Owners	20.00		$\checkmark$	20.00	3.00	0.00	1.00	20.00	0.00
End Use Consumer			$\checkmark$						
Large Consumer	9.00			9.00	0.00	0.00	4.00	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	V .	$\checkmark$	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	0.00	0.00	0.00	0.00
Public Power			$\checkmark$						
State Power Authorities	8.00			9.07	2.00	0.00	0.00	9.07	0.00
Munis & Co-ops	7.00			7.93	11.00	0.00	0.00	7.93	0.00
Environmental	2.00	✓		0.00	0.00	0.00	0.00	0.00	0.00
			4	82.53	18.00	6.00	17.00	44.17	18.36
				82.53	Norn	nalize to 10	00% :	70.63	29.37

# **Business Issues Committee - June 01, 2012**

### Motion: Motion #1

Sector	Organization	Representative	Affiliate	Present	For	Against
Generation Owners	Indeck Energy Services, Inc.		Ν	N	0.00	0.00
Generation Owners	Astoria Energy LLC		Ν	N	0.00	0.00
Generation Owners	Calpine		Ν	N	0.00	0.00
Generation Owners	CPV Valley LLC		Ν	N	0.00	0.00
Generation Owners	East Coast Power, LLC		Ν	N	0.00	0.00
Generation Owners	Entergy Nuclear Northeast	Mackowiak, Ron	Ν	Y	0.00	0.00
Generation Owners	Innovative Energy Systems		Ν	N	0.00	0.00
Generation Owners	New Athens Generating Co. LLC		Ν	N	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	1.00
Generation Owners	GenOn New York LLC	Saia, Doreen	Ν	Y	0.00	1.00
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	Beacon Power LLC		N	N	0.00	0.00
Generation Owners	National Grid Generation LLC		Y	N	0.00	0.00
Other Suppliers	Hess Corporpration		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	0.00	0.00
Other Suppliers	Bruce Power		Y	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 Curtailment Specialists		N	N	0.00	0.00
Other Suppliers	Energy Spectrum	Ahrens, David	N	Y	1.00	0.00
Other Suppliers	Constellation Energy Commodities Group, Inc.		Y	N	0.00	0.00
Other Suppliers	EnerNoc		Ν	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		N	N	0.00	0.00
Other Suppliers	Louis Dreyfus Highbridge Energy		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.		N	N	0.00	0.00
Other Suppliers	Ontario Power Generation, Inc.		N	N	0.00	0.00
Other Suppliers	Exelon Generating Co. LLC		N	N	0.00	0.00
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	Strategic Energy L.L.C.		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.		N	N	0.00	0.00

Sector	Organization	Representative	Affiliate	Present	For	Against
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	Erbrick, Michael	N	Y	0.00	0.00
Other Suppliers	Iberdrola Renewables Inc		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.	Wadsworth, Joe	N	Y	0.00	1.00
Other Suppliers	Viridity Energy, Inc.		N	N	0.00	0.00
Other Suppliers	GDF Suez Energy NA, Inc.	Levine, Jeffrey	N	Y	0.00	1.00
Other Suppliers	Riverbay Corporation	Ahrens, David	N	Y	1.00	0.00
Other Suppliers	Comverge/Enerwise Global Technologies		N	N	0.00	0.00
Other Suppliers	Edison Mission Marketing & Trading, Inc.	Kramek, Mike	N	Y	0.00	1.00
Other Suppliers	EnergyConnect		N	N	0.00	0.00
Transmission Owners	New York State Electric & Gas (NYSEG)	Caletka, Patricia	Ν	Y	1.00	0.00
Transmission Owners	Central Hudson Gas & Electric Corp.	Chan, Ting	Ν	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	Lodemore, David	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.	Bissell, Garrett	N	Y	0.00	0.00
End Use - Large Consumer	Atco Properties & Management, Inc		N	N	0.00	0.00
End Use - Large Consumer	IBM Corporation	Bissell, Garrett	N	Y	0.00	0.00
End Use - Large Consumer	Occidental Chemical Corp.	Bissell, Garrett	N	Y	0.00	0.00
End Use - Large Consumer	Wegmans Food Markets	Bissell, Garrett	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	Rigberg, Saul	N	Y	0.00	0.00
End Use - Small Consumer	Beth Israel Health Care System	Rigberg, Saul	N	Y	0.00	0.00
End Use - Small Consumer	Fordham University	Rigberg, Saul	N	Y	0.00	0.00
End Use - Small Consumer	Memorial Sloan Kettering Cancer Center	Rigberg, Saul	N	Y	0.00	0.00
End Use - Small Consumer	Mount Sinai Medical Center	Rigberg, Saul	N	Y	0.00	0.00
End Use - Small Consumer	New York Presbyterian Hospital	Dishawa Caul	N	N Y	0.00	0.00
End Use - Small Consumer	New York University	Rigberg, Saul	N N	I N	0.00	0.00
End Use - Small Consumer End Use - Gov. State-wide Cons. Advocate	Association for Energy Affordability Utility Intervention Unit, Division of	Rigberg, Saul	N N	Y	0.00	0.00
	Consumer Protection, NY Dept. of State	Rigberg, Saul				
End Use - Gov. Sm. Cons. & Retail Aggr.	City of New York - Energy Conservation		N	N	0.00	0.00
End Use - Gov. Sm. Cons. & Retail Aggr.	NYS Energy Research & Dev. Authority		N	N	0.00	0.00
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	Browne, Scott	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Bath Electric, Gas & Water Systems	Bolbrock, Richard	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Freeport Electric	Rudebusch, Tom	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Jamestown Board of Public Utilities	Rudebusch, Tom	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Lake Placid Village	Bolbrock, Richard	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Municipal Commission of Boonville	Bolbrock, Richard	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Plattsburgh Municipal Lighting Dept	Bolbrock, Richard	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Village of Westfield	Bolbrock, Richard	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Village of Solvay	Bolbrock, Richard	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Village of Arcade	Bolbrock, Richard	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Village of Fairport	Bolbrock, Richard	N N	Y V	1.00	0.00
Public Power - Munis & Co-ops Public Power - Environmental	Village of Rockville Centre	Rudebusch, Tom	N N	Y N	1.00 0.00	0.00
	American Lung Association					
Public Power - Environmental	American Wind Energy Association		N N	N N	0.00	0.00
Public Power - Environmental Public Power - Environmental	Environmental Advocates Natural Resources Defense Council		N N	N N	0.00	0.00
Public Power - Environmental Public Power - Environmental	PACE Energy & Climate Center		N N	N N	0.00	0.00
Public Power - Environmental Public Power - Environmental	Riverkeeper		N N	N N	0.00	0.00
			11	11	0.00	0.00

# **Business Issues Committee - June 01, 2012**

### Motion: Motion #1a

Sector with base percent	%	Active	Quorum	Adj. Percent	For	Against	Abstain	% For	% Against
Generation Owners	21.50		Х	4.03	0.00	3.00	0.00	0.00	4.03
Other Suppliers	21.50		$\checkmark$	21.50	2.00	6.00	2.00	5.38	16.12
Transmission Owners	20.00		$\checkmark$	20.00	3.00	0.00	1.00	20.00	0.00
End Use Consumer			$\checkmark$						
Large Consumer	9.00			9.00	0.00	0.00	4.00	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		$\checkmark$	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	0.00	0.00	0.00	0.00
Public Power			$\checkmark$						
State Power Authorities	8.00			9.07	2.00	0.00	0.00	9.07	0.00
Munis & Co-ops	7.00			7.93	11.00	0.00	0.00	7.93	0.00
Environmental	2.00	<b>√</b>		0.00	0.00	0.00	0.00	0.00	0.00
			4	82.53	18.00	9.00	14.00	42.38	20.15
				82.53	Norn	nalize to 10	00% :	67.77	32.23

# **Business Issues Committee - June 01, 2012**

### Motion: Motion #1a

Sector	Organization	Representative	Affiliate	Present	For	Against
Generation Owners	Indeck Energy Services, Inc.		N	N	0.00	0.00
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	Mackowiak, Ron	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	1.00
Generation Owners	GenOn New York LLC	Saia, Doreen	N	Y	0.00	1.00
Generation Owners	EDP Renewables North America LLC		N	N	0.00	0.00
Generation Owners	Cricket Valley Energy Center		N	N	0.00	0.00
Generation Owners	Invenergy Energy Management LLC		N	N	0.00	0.00
Generation Owners	Beacon Power LLC		N	N	0.00	0.00
Generation Owners	National Grid Generation LLC		Y	N	0.00	0.00
Other Suppliers	Hess Corporpration		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	0.00	1.00
Other Suppliers	Bruce Power		Y	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 Curtailment Specialists		N	N	0.00	0.00
Other Suppliers	Energy Spectrum	Ahrens, David	N	Y	1.00	0.00
Other Suppliers	Constellation Energy Commodities Group, Inc.		Y	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	Ν	Y	0.00	1.00
Other Suppliers	Integrys Energy Services of New York, Inc		Ν	N	0.00	0.00
Other Suppliers	Louis Dreyfus Highbridge Energy		Ν	N	0.00	0.00
Other Suppliers	Morgan Stanley Capital Group, Inc.		N	N	0.00	0.00
Other Suppliers	NRG Power Marketing Inc.		N	N	0.00	0.00
Other Suppliers	Ontario Power Generation, Inc.		N	N	0.00	0.00
Other Suppliers	Exelon Generating Co. LLC		N	N	0.00	0.00
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	Strategic Energy L.L.C.		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.		N	N	0.00	0.00

Sector	Organization	Representative	Affiliate	Present	For	Against
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	Erbrick, Michael	N	Y	0.00	0.00
Other Suppliers	Iberdrola Renewables Inc		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.	Wadsworth, Joe	N	Y	0.00	1.00
Other Suppliers	Viridity Energy, Inc.		N	N	0.00	0.00
Other Suppliers	GDF Suez Energy NA, Inc.	Levine, Jeffrey	N	Y	0.00	1.00
Other Suppliers	Riverbay Corporation	Ahrens, David	Ν	Y	1.00	0.00
Other Suppliers	Comverge/Enerwise Global Technologies		N	N	0.00	0.00
Other Suppliers	Edison Mission Marketing & Trading, Inc.	Kramek, Mike	N	Y	0.00	1.00
Other Suppliers	EnergyConnect		N	N	0.00	0.00
Transmission Owners	New York State Electric & Gas (NYSEG)	Caletka, Patricia	Ν	Y	1.00	0.00
Transmission Owners	Central Hudson Gas & Electric Corp.	Chan, Ting	Ν	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	Lodemore, David	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.	Bissell, Garrett	N	Y	0.00	0.00
End Use - Large Consumer	Atco Properties & Management, Inc		N	N	0.00	0.00
End Use - Large Consumer	IBM Corporation	Bissell, Garrett	N	Y	0.00	0.00
End Use - Large Consumer	Occidental Chemical Corp.	Bissell, Garrett	N	Y	0.00	0.00
End Use - Large Consumer	Wegmans Food Markets	Bissell, Garrett	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	Rigberg, Saul	N	Y	0.00	0.00
End Use - Small Consumer	Beth Israel Health Care System	Rigberg, Saul	N	Y	0.00	0.00
End Use - Small Consumer	Fordham University	Rigberg, Saul	N	Y	0.00	0.00
End Use - Small Consumer	Memorial Sloan Kettering Cancer Center	Rigberg, Saul	N	Y	0.00	0.00
End Use - Small Consumer	Mount Sinai Medical Center	Rigberg, Saul	N	Y	0.00	0.00
End Use - Small Consumer	New York Presbyterian Hospital	Dishawa Caul	N	N Y	0.00	0.00
End Use - Small Consumer	New York University	Rigberg, Saul	N N	I N	0.00	0.00
End Use - Small Consumer End Use - Gov. State-wide Cons. Advocate	Association for Energy Affordability Utility Intervention Unit, Division of	Rigberg, Saul	N N	Y	0.00	0.00
	Consumer Protection, NY Dept. of State	Rigberg, Saul				
End Use - Gov. Sm. Cons. & Retail Aggr.	City of New York - Energy Conservation		N	N	0.00	0.00
End Use - Gov. Sm. Cons. & Retail Aggr.	NYS Energy Research & Dev. Authority		N	N	0.00	0.00
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	Browne, Scott	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Bath Electric, Gas & Water Systems	Bolbrock, Richard	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Freeport Electric	Rudebusch, Tom	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Jamestown Board of Public Utilities	Rudebusch, Tom	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Lake Placid Village	Bolbrock, Richard	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Municipal Commission of Boonville	Bolbrock, Richard	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Plattsburgh Municipal Lighting Dept	Bolbrock, Richard	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Village of Westfield	Bolbrock, Richard	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Village of Solvay	Bolbrock, Richard	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Village of Arcade	Bolbrock, Richard	N	Y	1.00	0.00
Public Power - Munis & Co-ops	Village of Fairport	Bolbrock, Richard	N N	Y V	1.00	0.00
Public Power - Munis & Co-ops Public Power - Environmental	Village of Rockville Centre	Rudebusch, Tom	N N	Y N	1.00 0.00	0.00
	American Lung Association					
Public Power - Environmental	American Wind Energy Association		N N	N N	0.00	0.00
Public Power - Environmental Public Power - Environmental	Environmental Advocates Natural Resources Defense Council		N N	N N	0.00	0.00
Public Power - Environmental Public Power - Environmental	PACE Energy & Climate Center		N N	N N	0.00	0.00
Public Power - Environmental Public Power - Environmental	Riverkeeper		N N	N N	0.00	0.00
			11	11	0.00	0.00

# New York Independent System Operator - Committee Membership

### Business Issues Committee - June 01, 2012 - Teleconference - 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							
Beacon Power LLC	Generation Owners	McQueeney, Judith	Berlinski, Mike								
CPV Valley LLC	Generation Owners	DellOrto, Ken	Remillard, Steven	Felak, Rich							
Calpine	Generation Owners	Kruse, Brett	Berend, Seth	Flumerfelt, John	Garcia, Max	Webb, David					
Cricket Valley Energy Center	Generation Owners	De Meyere , Bob	Wallenstein, Arnold	Ahrens, Jeff							
EDP Renewables North America LLC	Generation Owners	Berruecos, Pablo	Fitzgerald, Daniel								
East Coast Power, LLC	Generation Owners	Shanker, Roy	Fogarty, Thomas	Marczewski, John							
Entergy Nuclear Northeast	Generation Owners	🗸 Mackowiak, Ron	Potkin, Marc								
GenOn New York LLC	Generation Owners	Smith, Philip	🗸 Saia, Doreen	Lynch, Vicki							
Indeck Energy Services, Inc.	Generation Owners	Ferguson, Mike	Schrage, John	Younger, Mark							
nnovative Energy Systems	Generation Owners	Zeliff, Peter	Henningham, Scott								
invenergy Energy Management LLC	Generation Owners	Minalga, Jason	Rodriguez, Carlos								
National Grid Generation LLC	Generation Owners	Kain, Terrence	McCabe, Brian								
New Athens Generating Co. LLC	Generation Owners	Breen, Jack	DellOrto, Ken	DeVinney, Dan	Felak, Rich						
Noble Environmental Power LLC	Generation Owners	Silton , Harry									
Selkirk Cogen Partners, LP	Generation Owners	Biittig, Timothy									
IC Ravenswood, Inc.	Generation Owners	Taylor, William	DAndrea, James	🗸 Congel, Dan	Hachey, Mike						
BJ Energy LLC	Other Suppliers	Ni, Bing	Lee, George								
3P Energy Company	Other Suppliers	Prescott, Randy	Magruder, Kathy	Briscoe, Judy	Bassett, Jeffrey						
Brookfield Energy Marketing	Other Suppliers	Francis, Frank	Ricketts, Robert	Whyte, Daniel							
Bruce Power	Other Suppliers	Loughrens, Chris									
Citigroup Energy Inc.	Other Suppliers	Trayers, Barry	Kettler, Kolby								
Comverge/Enerwise Global Technologies	Other Suppliers	Geoghan, Stephen	Lacey, Frank								
Con Edison Solutions Inc.	Other Suppliers	Mah, Norman	Wemple, Steve								
Constellation Energy Commodities Group, Inc.	Other Suppliers	McCartney, Glen	Wentlent, Chris								
Constellation New Energy	Other Suppliers	McCartney, Glen	Wentlent, Chris								
Cross Sound Cable Company, LLC	Other Suppliers	Miller, John	Reinhart, Brian	Railing, Bradley	Rotger, Jose						
DC Energy	Other Suppliers	Bleiweis, Bruce	Carpenter, Chris	Stevens, Andrew	Tate, Matthew	Milberg, Sadao	Kuo, David	Kent, Aaron			
DTE Energy	Other Suppliers	Pakela, Gregory	Wieszczyk, Raymond	Norris, Paul	,		,				
Dynegy Power Marketing, Inc.	Other Suppliers	Ellis, Dean	Daley , Marty	Ziegler, Pete							
EDF Trading North America, LLC	Other Suppliers	Erbrick , Michael	LeForce , Randall								
Edison Mission Marketing & Trading, Inc.	Other Suppliers	Kramek, Mike	Ellis, Jeff								
EnerNoc	Other Suppliers	Brewster, David	Breidenbaugh, Aaron								
Energy Curtailment Specialists	Other Suppliers	Pieniazek, Marie	Lynch, Stephen	Korczykowski , Jim	Renninger , Matt						
Energy Spectrum	Other Suppliers	David, Gary	Ahrens, David	-	-	Islowitz Aren	Drown Dyhon				
		-		Pasch, Carrie	Neiburg, David	Iskowitz, Aron	Brown, Ruben				
EnergyConnect	Other Suppliers	Campbell, Bruce	Stremel, John	Haake, Glenn							
Exelon Generating Co. LLC	Other Suppliers	McCartney, Glen	Crowley, Jack	Berg , William							
GDF Suez Energy NA, Inc.	Other Suppliers	Levine , Jeffrey	Bice , Michael								·
Galt Power	Other Suppliers	Fernands, Rochelle	🗸 Ackerman, Alan								
HQ Energy Services US	Other Suppliers	Vennes, Yannick	Plante, Matthieu	Leuthauser, Scott							
Hess Corporpration	Other Suppliers	Sobieski, Dennis	Philips, Marjorie	Guerry, Katherine							
Iberdrola Renewables Inc	Other Suppliers	Allen, Thresa									
innoventive Power	Other Suppliers	Gruber, Craig									
ntegrys Energy Services of New York, Inc	Other Suppliers	Haugh, Michael									
.P. Morgan Ventures Energy Corporatio	Other Suppliers	O'Connell, Robert	Cromarty, Chloe								
Louis Dreyfus Highbridge Energy	Other Suppliers	Sun, Xijian	Cheong, Mei								
Morgan Stanley Capital Group, Inc.	Other Suppliers	Murray, Patrick	Kochonies, Karen	Kazarian, Levon	Ezickson, Doron						
NRG Power Marketing Inc.	Other Suppliers	Kranz, Brad	Lagano , Judith	Patel, Rishad							
NextEra Energy	Other Suppliers	Applebaum, David	DaSilva, Fernando	Orzel, Chris							
Ontario Power Generation, Inc.	Other Suppliers	Gell, Richard	Barr, David	Lacivita, Ken	Cheung, Erica		<b>n n</b>				
PL EnergyPlus, LLC	Other Suppliers	Weghorst, Brad	Hyzinski, Tom	Weber, Sharon	Greening, Michele	Yannarell, David	Francello, Mark				
SEG Energy Resource & Trade, LLC	Other Suppliers	Fromer, Howard	DiDona, Robert	Murawski , James	Logan, Bob						
Riverbay Corporation	Other Suppliers	Merola , Peter	Freedman, Herbert	Ahrens, David	Pasch, Carrie						
SESCO Enterprises, LLC	Other Suppliers	Schubiger, Michael	Thoresen, James								
Shell Energy North America, LLC	Other Suppliers	Picardi, Matt	French, Dave								
Strategic Energy L.L.C.	Other Suppliers	Comstock, Read									
FransCanada Power Marketing, Ltd.	Other Suppliers	Taylor, William	D'Andrea, James	🗸 Congel, Dan	Hachey, Mike						
U.S. Power Generating Co.	Other Suppliers	Baker, Liam	Reese, John								
Viridity Energy, Inc.	Other Suppliers	Wolfe , Sam				1					

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6
Vitol Inc.	Other Suppliers	Wadsworth , Joe	Viola , Bob	Kam , Kenney				
Central Hudson Gas & Electric Corp.	Transmission Owners	Seitz, Diane	✔ Chan, Ting	Marley, Bruce	Kyle , Bill	McDowell , Scott		
Consolidated Edison Co. of NY, Inc.	Transmission Owners	Miller, Richard	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	Williams, Lisa				
Orange & Rockland Utilities, Inc.	Transmission Owners							
Rochester Gas and Electric Corp.	Transmission Owners	🗸 Caletka, Patricia	Kinney, Ray	Williams , Lisa				
Alcoa, Inc.	Large Consumer	Loughney, Robert	Mager, Michael	Bissell, Garrett	Lang, Kevin			
Atco Properties & Management, Inc	Large Consumer	Bomke, David	Diamantopoulos, George					
IBM Corporation	Large Consumer	Loughney, Robert	Mager, Michael	Bissell, Garrett	Lang, Kevin			
Occidental Chemical Corp.	Large Consumer	Loughney, Robert	Mager, Michael	✓ Bissell, Garrett	Lang, Kevin			
Wegmans Food Markets	Large Consumer	Loughney, Robert	Mager, Michael	✓ Bissell, Garrett	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	Rigberg, Saul			
Association for Energy Affordability	Small Consumer	Morris, Jackson	Hepinstall, David	Douglas , Megan				
Beth Israel Health Care System	Small Consumer	Luthin, Catherine	Dowling, John	Rigberg, Saul				
Fordham University	Small Consumer	Dowling, John	Luthin, Catherine	Rigberg, Saul				
Memorial Sloan Kettering Cancer Center	Small Consumer	Dowling, John	Luthin, Catherine	Rigberg, Saul				
Mount Sinai Medical Center	Small Consumer	Luthin, Catherine	Dowling, John	🗸 Rigberg, Saul				
New York Presbyterian Hospital	Small Consumer	Bomke, David	Diamantopoulos, George					
New York University	Small Consumer	Luthin, Catherine	Dowling, John	🗸 Rigberg, Saul				
Utility Intervention Unit, Division of Consumer Protection, NY Dept. of State	Government Statewide Consumer Advocate	✓ Rigberg, Saul	Collar , Gregg	Snyder , Michael	Maraglio, Matthew	Zappieri , Jeffrey		
City of New York - Energy Conservation	Government Small Consumer and Retail Aggregate	Delaney, Michael	Mahnovski, Sergej					
NYS Energy Research & Dev. Authority	Government Small Consumer and Retail Aggregate	Williams, John	Hogan, Erin	Coup, David				
Long Island Power Authority	State Power Authorities	Clarke, Dave	Hall, Christopher					
New York Power Authority	State Power Authorities	Browne, Scott	🗸 Palazzo, William	Sharif, Maryam	Boyle, Bob			
Bath Electric, Gas & Water Systems	Municipalities and Coops	Moore, Ken	Bolbrock, Richard	Cordeiro, Mark				
Freeport Electric	Municipalities and Coops	Fiore, Anthony	Kimlingen, Ted	🗸 Rudebusch, Tom				
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	Pallas, Paul	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	Environmental	Morris, Jackson	Seilback, Michaek	O'Neill, Kathleen				
American Wind Energy Association Environmental Advocates	Environmental Environmental	Strauss, Valerie Morris, Jackson	Murphy, Carol Gould , Ross	Gramlich, Robert Gahl, David				
Natural Resources Defense Council	Environmental	Morris, Jackson	De Costanzo , Donna	Gupta , Ashok				
PACE Energy & Climate Center	Environmental	Morris, Jackson	Litz, Frank	Bourgeois, Tom				
Riverkeeper	Environmental	Morris, Jackson	Musegaas, Phillip	Gallay , Paul				
Ace Energy Company, Inc.	Non Voting	Lynch, Stephen						
Air Energy TCI, Inc.	Non Voting	O'Connor , Brett						
Alliance for Clean Energy New York	Non Voting	Murphy, Carol	Strauss, Valerie					
Anbaric Northeast Transmission Development Co.	Non Voting	Smith, Allyson						
Boundless Energy, LLC CP Energy Marketing (US) Inc.	Non Voting Non Voting	Tompkins John, E. Bursaw , Christopher	Pratt , Charles Wolfe , Cindy					
Caithness Energy LLC	Non Voting	Keevill, Gary	Delgado , Jeffrey	Garber, Mitchell				
Customized Energy Solutions	Non Voting	Mancini, Rick	Fernands, Stephen	Rexrode, Caryn	🗸 Ackerman, Alan	Lundin, Tim		
Ecogen	Non Voting	Hagner, Thomas	r and a second sec	, ,	• • • • • • • •			
Energetix, Inc.	Non Voting	Strassner, Gerald	Hobday, Robert					
Fluent Energy	Non Voting	Acampora, Peter	Begley, Jeff	Doll , Ed				
Hudson River Energy Group	Non Voting	Radigan, Frank	Canfield, Richard					
Hydro-Quebec TransEnergie	Non Voting	Prevost, Michel						
MAG Energy Solutions, Inc.	Non Voting	Roberge, Martin	Vezina, Alexandre					
NYS Department of Public Service	Non Voting	Paynter, Thomas	Mitchell, Tammy					
Siemens Energy, Inc. Transmission Developers Inc.	Non Voting	Feltes , James Jessome , Donald	Helmer , William					
Transmission Developers mc.	Non Voting	Jessome, Donald	rienner, winnam	I	I	I	I	I

e6	Alternate7	Proxy	Guest

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
William P. Short	Non Voting	Short, William	Schaefer, Marc		Savage, Paul	Verna, Jim					