

NYISO Business Issues Committee Meeting Minutes - DRAFT
Wednesday, March 16, 2005

NYS Nurses Association
11 Cornell Road
Latham, NY 12110

1. Welcome & Meeting Objectives

Jim Scheiderich, Chair of the Business Issues Committee (BIC), called the meeting to order at 10:12 AM and welcomed the members of BIC. Attendees introduced themselves and named the organizations they represent.

2. Approval of minutes for February 16, 2005 and February 25, 2005

NYISO staff distributed the final draft minutes from the February 16th and 25th meetings, which included Market Participant comments, to BIC members before the meeting. At the request of Tom Rudebusch for the MEUA, consideration of the Minutes for February 16th and February 25th meetings was tabled.

Motion 1:

Motion to approve the minutes from the February 16th and 25th meetings of the BIC.

(Motion postponed to next meeting of the BIC.)

3. Chair's Report

No report

4. Market Operations Report

Mr. Charles King, NYISO Vice President of Market Services, introduced the Market Operations Report. Mr. King noted that at the last meeting of the Management Committee the Market Operations Report was not presented in full because SMD2-related information was not available. With the inclusion of post-SMD2 system operation, the Report now includes additional exhibits.

Ms. Nicole Bouchez, of the NYISO Market Monitoring Unit, explained changes to the exhibits in the Report and detailed market highlights. Performance highlights included lower February LBMPs relative to January, increased regulation prices, and mixed fuel prices relative to January. Real-time Regulation prices (new with SMD2) were \$51.42 for January. Ms. Bouchez provided detailed explanations for each new or revised exhibit. Ms. Bouchez noted a drop in uplift resulting from Bid Production Cost Guarantee balancing and residual balancing and suggested this was consistent with changes to the DAM market relative to balancing and Real-Time markets. She noted that the Report related what was billed and only included post-SMD2 price corrections that went into the bills. Mr. Scheiderich requested the distribution to Market Participant of the billing codes used to populate the Report ledger sheets (4C). Mr. Stalter added this to the BIC action items. In response to a question from Ms. Doreen Saia, of Couch White representing Mirant, Ms. Bouchez responded that the prices in the Report reflected price corrections made to the date when the bills were run. Ms. Bouchez stated that the NYISO Markets Energy Statistics ledger (4E) includes Lost Opportunity Costs in the displayed prices. Ms. Bouchez noted that the NYISO price correction statistics would contain no data until price corrections were resolved. She noted that a category of "hours with corrections" was added to these statistics. The ancillary services charts reflect the two settlement ancillary services market and include a chart for each market. The Day-Ahead market chart contains average ancillary prices and reflects demand curves. The RTC ancillary services market chart provides a true average price for all ancillary services in RTC market. Ms. Bouchez concluded her presentation of changes to the Market Operations Report by noting that prior to February there was no data for the Real-Time ancillary services chart because no Real-Time ancillary services market was in effect.

5. Regional Market Enhancements

Mr. King presented the Regional Markets Enhancement Report. He noted that Market Participants had been notified of the ITS pilot test scheduled for late March, and that subsequent to the pilot test the NYISO would conduct a review session with Market Participants. Mr. Howard Fromer of PSEG asked if the ISOs, in advance of the test, would be preparing expected prices in order to benchmark what actually occurred against what was expected to occur. Mr. King replied this may be possible given that the test period would initially be scheduled during a relative flat period of the day. Glen McCartney of Constellation Power Source asked if the NYISO would be publishing the MW amounts put in and out

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during the test. Mr. King replied that the NYISO would take this request under advisement. In response to a question from Mr. Scheidrich regarding whether the two ISOs would be conducting benchmarking, Mr. Robert Thompson of the NYISO replied that the analysis was such that it depended on the time of scheduling of additional ITS transfer. He noted expectations of prices at proxy buses absent transfer, and expectations of price including transfer, and the validity of the proxy pricing mechanism. Mr. Thompson stated that the NYISO was not intending to post a detailed schedule, but rather to simply notify Market Participants that the test was transpiring. Mr. Thompson suggested that the NYISO would not conduct the pilot test while conditions were on a steep slope of supply curve. Rather, the test would be conducted on "flat areas" so price divergence would not be likely.

Mr. King noted, with regard to the RAM, that PJM would give a presentation to the NYISO on its RPM proposal. The NYISO expected to file Tariff language regarding CTL scheduling in mid-March. Phase II of E-Tagging integration includes the ability to identify and cut any MIS schedules without a corresponding E-Tag in OATI. The NYISO expects facilitated check-out to be deployed in the second Quarter of 2005.

Mr. Michel Prevost of HQ noted that the 1740 line transfer study language had not changed from that presented in prior seams reports. Mr. King indicated this was being discussed at the Operating Committee and up-to-date information would be provided within that forum.

Mr. Ray Kinney of NYSEG asked if price convergence was being tracked between ISO-NE and the NYISO since rate pancaking was eliminated. Mr. King indicated that it was reflected in monthly averages, but hourly levels would be reviewed by the Market Advisor with a focus on the upcoming summer period.

Mr. Glenn Haake of IPPNY asked Mr. King about the generation basepoint dragging plan. Mr. Haake asked for an update on NYISO's plan to address instances of dragging and whether there was a plan or straw proposal in place for the upcoming summer. Mr. Thompson replied that the NYISO would respond to the issue within the week. Mr. Haake noted that Market Participants were waiting on a report from Dr. David Patton related to the effects of market penetration on wind. Mr. King replied that in Patton's analysis, it was determined that GE would have to re-run additional cases and tests. Mr. King indicated that Market Participants could expect a report for the early April Market Structures Working Group. Lastly, Mr. Haake noted that IPPNY had sent a letter to the NYISO for a detailed hour by hour analysis of LBMP impacts of improper mitigation in February and asked if there were any progress on when they would receive information. Mr. King replied that he had no direct information but that the NYISO would take the issue under advisement. Mr. Ray Stalter of the NYISO replied that the issue would be covered at the next Scheduling and Pricing Working Group. Mr. Tim Bush of Navigant Consulting stated that the NYISO took the position that it would not update prices that occurred during improper mitigation. Mr. Bush indicated that he would like to find out what the NYISO's actual position was and that this position would impact filings in response to the price correction filing of the NYISO.

Mr. Alan Foster, of Dynegy, asked about late DAM postings on March 11th for the March 13th Market. He asked if there was a protocol or plan to take units out of merit, maintaining that after 5 pm units may not nominate gas and noting that subsequently submitted bids were invalid. Mr. King replied that NYISO has identified IT-related remedies and does not expect this particular problem to re-occur. Mr. Mark Younger, of Slater Consulting, replied that there should be a defined time after which bids don't count. Mr. Fromer asked about what happens to bids, under the Tariff, that are submitted at 11:01 in the morning, particularly whether they could be withdrawn and whether there may be rights in the Tariff for parties to withdraw bids. Mr. King responded that the NYISO would take an action item to describe the process including its tariff and operational aspects.

Mr. Steve Wemple, of Con-Ed Solutions, asked about the status of the latest demand curve filing. He stated that it might make sense to delay the strip auction if Market Participants do not know demand curve values. Ms. Belinda Thornton, of the NYISO, replied that the first auction impacted would be the May Spot Auction held on April 26th. She indicated that FERC did understand the urgency and would make a decision after its scheduled Impediments to Transmission Expansion Technical Conference on

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April 22. Mr. Jim D'Andrea, of KeySpan Ravenswood, noted that there were price caps applicable to the auction that could change depending on what demand curves were in effect. He asked if the NYISO would approach FERC in the interest of achieving certainty on the demand curves and address the refund aspect of the order. Ms. Thornton indicated that the NYISO would review this request.

Mr. Wemple asked about the FERC order of remand on May 8th and 9th 2000 and when Market Participants would be informed of their financial positions in relation to the order. Mr. King replied that NYISO would take the question under advisement.

Mr. Haake indicated that Gerald Deaver of the NYISO had told him that there were two appeals to the GRT filings. Mr. Haake observed that this in turn started a 5-day reply period. He requested that the NYISO get a notice out as soon as possible and consider extending the 5-day period given the FERC technical conference.

Mr. Fromer asked, with regard to the FERC order of remand on May 8th and 9th 2000, if the NYISO were to make financial adjustments, then would Market Participants receive interest going back to May 2000. Mr. Deaver replied that interest applied on all rebillings. Mr. Wemple asked, considering that some Market Participants from May 2000 were no longer in the market and other entities had corporately reorganized since May 2000, which set of bad debt rules apply. Mr. Deaver replied that shortfalls due to bad debt are normally funded from Rate Schedule 1.

6. Working Group Updates

A. Billing and Accounting

No report provided

B. Billing Issues Resolution Team

No report provided

C. Electric System Planning (Joint OC/BIC WG)

No report provided

D. Installed Capacity

No report provided

E. Interconnection Issues Task Force

No report provided

F. Market Structure

Report attached as supplementary material to the 3/16/2005 BIC meeting material.

G. Price Responsive Load

Report attached as supplementary material to the 3/16/2005 BIC meeting material.

H. Scheduling & Pricing

Report attached as supplementary material to the 3/16/2005 BIC meeting material.

7. Proposed Revisions to Performance Exemption Limits for Con Edison Steam Suppliers

Mr. Robert Thompson, of the NYISO, addressed the current NYC steam exemption and a request from Con-Ed to increase the exemption. Mr. Thompson noted that units supplying the New York City steam distribution system are granted a penalty exemption, similar to that of PURPA units, due to the unique operating characteristics related to regulating the NYC steam system. The electricity output level is driven by NYC steam load. Steam supply and reserve requirement is a utility service regulated by the PSC. Mr. Thompson observed that the tariff was written when the total capacity of units supplying the city steam

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utility was 365 MW. This MW level is identified in the tariff language as the number of exempted MW. Mr. Thompson indicated that Consolidated Edison is in the process of replacing its old steam supply generators with cleaner and more efficient units, with commercial operation to commence May 1st. The total electric output capacity of the new configuration after retirements and replacements is 499 MW, all of which are subject to the same operating conditions that justified the original exemption. Steam output capacity, however, has remained constant.

Mr. Norman Mah of Consolidated Edison indicated that units are dispatched for exclusively steam loads. Currently these units are East River 6, Waterside and Hudson Avenue Unit 10. These will be replaced by the East River Re-powering Project (ERRP). ERRP matches the steam output of the older units, but as a result of new technology, the electrical output is higher. Mr. Mah explained that ERRP will have a better ability to follow a fixed electric schedule than WS and HA10. Mr. Mah opined that whereas the older units may potentially be unable to follow their base-points any time during their performance, the ERRP unit more easily maintains a schedule except during ramping phases. Mr. Bart Franey of National Grid asked if this occurred only during start-up or during multiple times during the day. Mr. Mah responded that the turn-down ratio for steam is 250,000 lbs. per hour and, therefore, ineffective for steam load. Consequently, this was mainly a problem during start-up and during periods of lowering load in the afternoon. Mr. Franey asked if units would be up at full load most of the time. Mr. Mah replied they would unless it was a shoulder period. Mr. Franey asked why the proposal was to forgive the full unit rather than just on start-up. Mr. Thompson replied that it was difficult to predict periods of time when unit is more stable and simply trying to make software adjustments for 365 out of 499 MWs would require the NYISO to expend significant IT resources which in turn could delay work on other high priority projects.

Roy Shankar, of East Coast Power Linden Holding LLC., asked if a precedent was being set for units co-mingling steam supply and electric output and the offering of relief. He indicated that this set an undue precedent for parties competing in the same market. Mr. Thompson responded that the only other circumstance where this repowering issue would apply was wind, whose limits in the Tariff would be addressed. Mr. Kinney asked what happens when the capacity of PURPA units exceed PURPA exemption amounts allowed in the Tariff. Mr. Thompson replied that if PURPA units engage in commercial activity beyond PURPA contract value, they are not forgiven penalties. Mr. Younger remarked that the points raised by Mr. Shankar entailed a full review of all related issues, including the issue of increased wind and units incurring penalties under current rules, in a holistic fashion.

Mr. Thompson continued his presentation by noting that maintaining a 365 MW exemption out of 499 MW of actual capacity distributed amongst three units would require a significant software modification effort by the NYISO. As a result, NYISO staff recommends a tariff change to raise the exempted amount of steam capacity to the 499 MW level, or possibly a more generic limit of the actual capacity of units engaged in supplying NY City's steam utility. Mr. Thompson opined that this kind of change should be made in a broader context and a more holistic domain. He noted that the NYISO was reviewing start-up/shut-down penalties, 15-minute scheduling issues, wind expansion and management. The NYISO would also initiate a general review of the adequacy of the dispatch rules, penalties, and compensation. Mr. Thompson noted that the MSWG was the proper forum to discuss the progress and status of these issues. Mr. Thompson summarized his observations by noting that steam exemption is not a complex issue, and noted that an increase in the exemption would benefit overall operation and avoid the need for a disproportionate IT solution.

In response to a question from Mr. Foster regarding retroactive forgiveness of under-generation penalties, Mr. Thompson indicated that currently Market Participants may put these costs in their start-up costs. He noted a reluctance to put before FERC and Market Participants provisions that would require lots of retroactive work. Mr. Foster noted that retroactive adjustments were the fair thing to do, and that it would be helpful for the NYISO to provide a dollar impact. He observed that the penalty system was created to treat manipulation of the market and that the circumstances described constituted a modeling issue, not market manipulation.

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Mr. Thompson detailed the provisions of the Motion. The first provision confronts the NYC steam increase. The second provision addresses the more comprehensive review and indicates that the NYISO will report to Market Participants and provide regular updates. The third provision indicates the NYISO would present its findings for treatment of start-up and shut down penalties for combined cycle units and would propose a solution for broader range of units at the April BIC, or later, at a separate meeting. Mr. Thompson stressed that the NYISO staff would not commit to meeting the specific dates identified in the 2nd and the 3rd provision of the motion, while noting that the request was not unreasonable and that the NYISO would use its best efforts to meet these tentative dates or as soon as possible afterward. However, Mr. Thompson continued that the 2005 project plan was already underway and therefore the NYISO could not provide a firm commitment as to exactly when work on the additional issues could be fully addressed.

Mr. Fromer spoke in favor of the motion and commended the NYISO on its willingness to work with Market Participants to address the reality of the imminent commercial operation of Con-Ed's unit, existing combined cycle units, and the PSEG unit that will go live a month after ERRP goes live. Mr. Fromer noted the following in support of the motion:

The NYISO has been evaluating internally its market rules associated with regulation, load following, 15-minute flexible, self-scheduled and fixed supply, and the associated compensation and penalty rules, to ensure that the Tariff continues to provide the correct economic signals to lead a reliable, fair and efficient market. The penalty exemption rules, or lack thereof, associated with different types of generation, including, but not limited to, in-city steam and combined-cycle start-up and shut-down, have been part of this evaluation.

Consolidated Edison is in the process of replacing its old steam supply generators with cleaner and more efficient units at its East Rive Plant, resulting in an increase in the total electric capacity output that will be available from all of its steam units to 499 MW, which will exceed the current 365 MW exemption contained in the ISO's Tariff, and which replacement units are expected to enter commercial operation in May 2005.

In addition, in its November 8, 2004 Quarterly Report to FERC in Docket Nos. ER04-230-002 et. al. the NYISO informed FERC that the ISO expected to be ready by the end of December, 2004, or early January, 2005, to recommend interim relief measures to address specific concerns of combined cycle unit owners regarding the application of regulation penalties during unit startups and shutdowns, while longer-term software enhancements to improve combined cycle modeling are developed. Moreover, PSEG's Bethlehem Energy Center, a 750 MW combined cycle plant, is expected to enter commercial operation in June 2005, are other combined cycle units are in operation.

Mr. David Applebaum of Florida Power and Light noted that it was desirable for the NYISO to adhere to the schedule as it is addressed in the motion particularly as it applies toward wind resources.

Motion #1:

The Business Issues Committee:

1. Recommends the Management Committee (MC) approve modifications to Section 3.0(ii) of Rate Schedule 3-A, and Section 4.5(ii) of Article 4 of the Market Services Tariff to increase the current 365 MW exemption from undergeneration penalties to up to 499 MW, consistent with the presentation made to the BIC on March 16, 2005, to become effective by May 1, 2005.

2. Approves of the on-going comprehensive assessment of scheduling, dispatch, compensation and penalty rules by the ISO and requests that the ISO Staff report to the MSWG in April with a description of the issues being addressed and the plan for working with Market Participants to complete the initial assessment by no later than October, 2005 and present its findings to the BIC for discussion and, as needed, action at no later than its November meeting and to the MC for discussion and, as needed,

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action at no later than its December meeting. BIC further requests the ISO to provide regular progress reports to MSWG as dictated by the need to confer with Market Participants in the process of resolving issues but at a minimum of every two months.

3. Requests that the ISO prepare and present to the BIC at its April meeting the ISO's Plan for dealing with start-up and shut-down penalties for generators, including combined cycle generators, as agreed to by the ISO in its quarterly reports to FERC in Docket Nos. ER04-230-002 et. al., for the period beginning June 1, 2005.

(Motion passed unanimously by show of hands with abstentions)

8. TCC Issue Update

Ms. Thornton remarked that a detailed description of residual TCC issues was distributed to Market Participants on Feb 25th. The NYISO is currently quantifying the issues. Given the interest from many parties, Ms. Thornton suggested holding a special meeting addressing residual TCC issues, the NYISO's plan, and how the NYISO is internally addressing issues, on March 28th. Tom Rudebusch asked why the SAS-70 audit reviews do not note these errors, Ms. Thornton responded that the review period for what the audit considers is for a more current period, and the residual TCC issues are outside the review period.

9. NYISO Website Consolidation Project Update

Ms. Carol Murphy, NYISO Vice President of Government Affairs & Communications and Mr. John Bub of the NYISO presented an update on the NYISO's web consolidation project. Ms. Murphy noted that the project would combine www.nyiso.com and mdex.nyiso.com into a single site, assist in the retrieval of information, improve the look and feel, enhance searching capability (including an archive), improve personalization functionality, and standardize technology. The website consolidation has a targeted deployment of April 26th. Mr. Bub noted that every page on the site would look different and utilize a simple clean interface. Mr. Bub observed that many Market Participants manually or programmatically extract data. He stated that links used to access this data for extraction would not be changed as part of the consolidation. He observed that any scripted programs utilizing links on www.nysio.com or mdex.nyiso.com would have to be changed when the new website is deployed. Mr. Bub encouraged Market Participants to contact their NYISO Customer Relations Representatives regarding any questions with about such links. Mr. Bub indicated that the NYISO would be implementing a communications plan including messages to the TIE list and a webex. Mr. Bub stated that log-ins would change to accommodate new SMD2 platform security policies. Although all current MDEX users will receive a new account, there is no need to re-register; users will receive a new password via email. The consolidated site supports 1024x1268 screen resolution. Mr. Bub detailed the navigation scheme of the new site, including a function/ search bar, first level navigation drop-down menus, and second level navigation contextual menus. The new site will include a personalization and customization option entitled "myNYISO." Market data will be accessible through the "Market Data Exchange (MDEX)" option. Documents will be grouped in tables, with the option of sorting by name or date. The new site will include enhanced searching that restricts searches to particular portions of the site.

10. New Business

None

11. Administrative Matters

None

12. Adjournment

Meeting adjourned at 1:06 PM.

Respectfully Submitted,
Caleb Derven, Recording BIC Secretary

NYISO Business Issues Committee

March 16, 2005

New York State Nurses Association

MOTION FROM THE MEETING

Motion #1:

The Business Issues Committee:

1. Recommends the Management Committee (MC) approve modifications to Section 3.0(ii) of Rate Schedule 3-A, and Section 4.5(ii) of Article 4 of the Market Services Tariff to increase the current 365 MW exemption from under-generation penalties to up to 499 MW, consistent with the presentation made to the BIC on March 16, 2005, to become effective by May 1, 2005.
2. Approves of the on-going comprehensive assessment of scheduling, dispatch, compensation and penalty rules by the ISO and requests that the ISO Staff report to the MSWG in April with a description of the issues being addressed and the plan for working with Market Participants to complete the initial assessment by no later than October, 2005 and present its findings to the BIC for discussion and, as needed, action at no later than its November meeting and to the MC for discussion and, as needed, action at no later than its December meeting. BIC further requests the ISO to provide regular progress reports to MSWG as dictated by the need to confer with Market Participants in the process of resolving issues but at a minimum of every two months.
3. Requests that the ISO prepare and present to the BIC at its April meeting the ISO's Plan for dealing with start-up and shut-down penalties for generators, including combined cycle generators, as agreed to by the ISO in its quarterly reports to FERC in Docket Nos. ER04-230-002 et. al., for the period beginning June 1, 2005.

(Motion passed unanimously by show of hands with abstentions)

New York Independent System Operator - Committee Membership

Business Issues Committee - Attendance March 16, 2005 - Albany, NY - Parties Checked in Attendance

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Proxy	Guest
NYS Energy Research & Develop. Auth.	End Use - Gov. Agency/Aggr.	David Coup	Paul DeCotis	Chris Hall	Erin Hogan	John Spath			
The City of New York	End Use - Gov. Agency/Aggr.	✓ Michael Delaney	Gil Quiniones	Thomas Simpson	Jonathan Wallach	Tim Daniels			
Alcoa/Reynolds Metals Company	End Use - Large Consumer	Robert Loughney	Michael Mager	✓ Morgan Parke					
Helmstey-Spear Inc.	End Use - Large Consumer	David Bomke	George Diamantopoulos	Edward Strauss	Herb Rose				
IBM Corporation	End Use - Large Consumer	Robert Loughney	Michael Mager	✓ Morgan Parke					
Occidental Chemical Corp.	End Use - Large Consumer	Robert Loughney	Michael Mager	✓ Morgan Parke					
Praxair Inc.	End Use - Large Consumer	Robert Loughney	Michael Mager	✓ Morgan Parke					
Xerox Corporation	End Use - Large Consumer	Robert Loughney	Michael Mager	✓ Morgan Parke					
Metropolitan Transportation Authority	End Use - Large Cons. Gov.	Jesse Samberg	Gary Caplan	Walter McCarroll					
American Sugar Refining, Inc.	End Use - Small Consumer	John Gebhard	Quintin George	Catherine Luthin	✓ John Dowling	Jennifer Kearney			
Association for Energy Affordability, Inc.	End Use - Small Consumer	David Hepinstall	Larry DeWitt						
Beth Israel Health Care System	End Use - Small Consumer	Catherine Luthin	✓ John Dowling	Jennifer Kearney	✓ Tariq Niazi	Doug Elfner			
Building and Realty Institute	End Use - Small Consumer	Herb Rose	Judith Mondre	Ted Lee	✓ Tariq Niazi				
Columbia University	End Use - Small Consumer	Catherine Luthin	✓ John Dowling	Jennifer Kearney	✓ Tariq Niazi	Doug Elfner			
Mount Sinai Medical Center	End Use - Small Consumer	Catherine Luthin	✓ John Dowling	Jennifer Kearney	✓ Tariq Niazi	Doug Elfner			
New York Presbyterian Hospital	End Use - Small Consumer	Catherine Luthin	✓ John Dowling	Jennifer Kearney	✓ Tariq Niazi	Doug Elfner			
New York University	End Use - Small Consumer	Catherine Luthin	✓ John Dowling	Jennifer Kearney	✓ Tariq Niazi	Doug Elfner			
NY State Consumer Protection Board	End Use - State Agency	✓ Tariq Niazi	Doug Elfner						
AES NY	Generation Owners	Doug Roll	Charles Sjoberg	Christopher Wentlent					
American National Power, Inc.	Generation Owners	Dorothy Capra	Bill Henson						
Astoria Energy LLC	Generation Owners	Joseph Swift	Leonard Singer						
Calpine	Generation Owners	None Assigned	Thomas Kaslow	Richard Felak					
East Coast Power Linden Holding LLC	Generation Owners	✓ Roy Shanker	Thomas Hoatson	Robert Licato	Kathy Benini				
Edison Mission Marketing & Trading	Generation Owners	✓ William Roberts	✓ Jeffrey Ellis	Peter Brown	✓ Rich Mooney				
Entergy Nuclear Northeast	Generation Owners	Marc Potkin	Angelo Vai	✓ Ron Mackowiak					
Indeck Energy Services	Generation Owners	Mike Ferguson	John Schrage	✓ Mark Younger					
KeySpan Ravenswood, LLC	Generation Owners	Rich Hohlman	Jim Vignola	Jim Brennan	✓ Jim D'Andrea	Madison Milhous	Edwin Kichline		
Mirant New York, Inc.	Generation Owners	Vicki Lynch	James Mayhew	✓ Doreen Saia					
Orion Power New York	Generation Owners	Liam Baker	Bill Berg						
Selkirk Cogen Partners, L.P.	Generation Owners	Tim Biittig	Steve Kamppila						
Sithe Energies, Inc.	Generation Owners	Scott Silverstein	Joe Klimaszewski	Jim Verna					
TransCanada Power Marketing	Generation Owners	William Taylor	Elaine Beaudry						
Advantage Energy, Inc.	Other Suppliers	Kyle Storie							
Amerada Hess Corporation	Other Suppliers	Kevin LaGuardia	Blas Hernandez	George Braulke					
Brascan Energy Marketing Inc.	Other Suppliers	Robert Ricketts	Daniel Whyte						
Cinergy Capital and Trading	Other Suppliers	Jason Barker	Walt Yeager						
Con Edison Energy	Other Suppliers	Stephen Wemple	Ivan Kimball						
Con Edison Solutions	Other Suppliers	Stephen Wemple	Rich Staines						
Conectiv	Other Suppliers	Bill Fehr	John Foreman						
Constellation New Energy Inc.	Other Suppliers	Peter Duprey	Carrie CullenHitt	Sara O'Neill	Susan Chamberlin				
Constellation Power Source	Other Suppliers	✓ Glen McCartney	Mary Lynch	Daniel Allegretti					
Coral Power, LLC	Other Suppliers	✓ Matt Picardi	Dave French						
DC Energy	Other Suppliers	Bruce Bleiweis	Andrew Stevens	Matthew Tate					
Dominion Energy Marketing, Inc.	Other Suppliers	Wes Walker	Lou Oberski	Michael Bekker					
Duke Energy North America, LLC	Other Suppliers	Stacy Dimou	Del Disher						
Dynegy	Other Suppliers	✓ Alan Foster	Jason Cox	Kevin White					
ECONergy	Other Suppliers	Saul Horowitz	Tom Halleran						
Epic Merchant Energy	Other Suppliers	Robert Erbrick	✓ Erik Abend	Wade Sullivan					
Exelon Generation - Power Team	Other Suppliers	Scott Silverstein	Joe Klimaszewski	Jim Verna					
Fortistar/Lockport Energy Associates, L.P.	Other Suppliers	Roger Kelley	Tom Gesicki	✓ Mark Younger	✓ Glenn Haake				
FPL Energy	Other Suppliers	✓ David Applebaum	Fernando DaSilva	Ron Scheirer					
HQ Energy Services	Other Suppliers	✓ Michel Prevost	Paul Norris	Benoit Goyette					
KeySpan Energy Services	Other Suppliers	Terrence Kain	✓ Jim D'Andrea	Edwin Kichline	James Cross	John Vaughn			
Morgan Stanley Capital Group	Other Suppliers	Patrick Murray	Karen Kochonies	Levon Kazarian	Doron Ezickson				
NRG Power Marketing	Other Suppliers	✓ Tim Foxen	Katie Sullivan	Peter Chamberlain					
NU / Select Energy	Other Suppliers	✓ Jim Scheiderich	Gunnar Jorgensen						
Ontario Power Generation Inc.	Other Suppliers	Tasos Karatsoreos	Jim Mastorakos	Ken Lacivita	Erica Cheung	✓ Scott McArthur	✓ Glenn Haake		
PP&L Energy Plus	Other Suppliers	✓ Joseph Langan	Tom Hyzinski	Roland Moor	David Yannarell	Sharon Weber			
PSEG Energy Resources & Trade	Other Suppliers	✓ Howard Fromer	Michael LaFalce	Bob Logan	Dennis Sobieski				

New York Independent System Operator - Committee Membership

Business Issues Committee - Attendance March 16, 2005 - Albany, NY - Parties Checked in Attendance

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Proxy	Guest
Reliant Energy Services, Inc.	Other Suppliers	Liam Baker	Bill Berg					✓ Glenn Haake	
Sempra Energy Trading	Other Suppliers	Dan Staines	Maria Agovino	Scott Englander	Barry Trayers				
SESCO Enterprises, LLC	Other Suppliers	Mike Schubiger	Jim Thoresen						
Strategic Energy LLC	Other Suppliers	Francis Pullaro	Michael Swider	Jeffrey Knox	Brian Vayda				
Strategic Power Management, Inc.	Other Suppliers	Mario DiValentino	Tom Folchi						
TransEnergie U.S. Ltd.	Other Suppliers	Michael Jacobs	José Rotger						
Williams Power Company	Other Suppliers	David Singer	Mark Lassman	Robert O'Connell					
Long Island Power Authority	Public Power - Authorities	James Parmelee	✓ Kevin Jones	Dave Clarke	Jim Wittine				
New York Power Authority	Public Power - Authorities	Bob Deasy	✓ Bob Gow	Paul Rougeaux	Kevin Kipers				
American Wind Energy Association	Public Power - Environmental	Valerie Strauss	Larry DeWitt	Douglas Ward	Mike Jacobs				
Environmental Advocates	Public Power - Environmental	Anne Reynolds	Larry DeWitt						
Nat'l Resources Defense Council	Public Power - Environmental	Dale Bryk	Larry DeWitt						
Pace University	Public Power - Environmental	Edward Smeloff	Larry DeWitt						
Scenic Hudson	Public Power - Environmental	Larry DeWitt							
Bath Electric, Gas & Water Systems	Public Power - Munis & Co-ops	Ken Moore	✓ Tim Bush	Matthew Benesh	Ken Moore	Jack Brown			
City of Jamestown Board of Pub. Util.	Public Power - Munis & Co-ops	✓ David Gustafson	Wally Haase	✓ Tom Rudebusch					
Lake Placid Village	Public Power - Munis & Co-ops	Peter Kroha	✓ Tim Bush						
Municipal Commission of Boonville	Public Power - Munis & Co-ops	Kenneth Stabb	✓ Tim Bush						
Plattsburgh Municipal Lighting Dept.	Public Power - Munis & Co-ops	Jack Brown	✓ Tim Bush	Ken Moore					
Village of Arcade	Public Power - Munis & Co-ops	Larry Kilburn	✓ Tim Bush						
Village of Fairport	Public Power - Munis & Co-ops	Ken Moore	✓ Tim Bush	Paul Pallas					
Village of Freeport	Public Power - Munis & Co-ops	Anthony Fiore	Ted Kimlingen	✓ Tom Rudebusch					
Village of Rockville Centre	Public Power - Munis & Co-ops	Tom Cardie	Ken Moore	Matthew Benesh	Jim Hamilton	Paul Pallas	Jack Brown	✓ Tom Rudebusch	
Village of Solway	Public Power - Munis & Co-ops	Anthony Modafferi	✓ Tim Bush						
Village of Westfield	Public Power - Munis & Co-ops	Jim Hamilton	✓ Tim Bush	Ken Moore	Matthew Benesh	Jack Brown	Paul Pallas		
Central Hudson Gas & Electric	Transmission Owners	James Valleau	✓ Thomas Canino	Jeff May	Rick Greener				
Consolidated Edison	Transmission Owners	✓ Rebecca Craft	✓ Gerry Dunbar	Neil Butterklee				✓ Norman Mah	✓ Mayer Sasson
National Grid	Transmission Owners	✓ Bart Franey	Wesley Yeomans	Jerry Ancona	Janet Gail Besser	Terron Hill			
NY State Electric Gas (NYSEG)	Transmission Owners	✓ Ray Kinney	✓ Patti Caletka	Steve Jeremko	Hank Masti				
Orange & Rockland, Inc.	Transmission Owners	None Assigned							
Rochester Gas & Electric	Transmission Owners	✓ Ray Kinney	✓ Patti Caletka	Steve Jeremko	Hank Masti				
Boundless Energy, L.L.C	Non-voting	Brian Chernack	Chuck Gilbert	Mark Mainetti					
Caithness Energy, L.L.C	Non-voting	Ross Ain	Jack Feinstein						
Cianbro	Non-voting	Ed Krapels	Brian Chernack	Paul Flemming					
Customized Energy Solutions	Non-voting	✓ Rick Mancini	Stephen Fernands	Bill Schofield					
Ecogen, L.L.C	Non-voting	Tom Hagner							
Energetix, Inc.	Non-voting	Barney Farnsworth	Gerald Strassner						
Fluent Energy	Non-voting	Michael Mastroianni	David Koplas	Margie Miller					
Hudson River Energy Group	Non-voting	Frank Radigan	Richard Canfield						
Hydro-Quebec TransEnergie	Non-voting	Glenn Sylvain	Mario Boucher						
NYS Department of Public Service	Non-voting	✓ Bill Heinrich	David Drexler						
Stealth Energy	Non-voting	Gad Cohen							
The Structure Group	Non-voting	Bob Furry							
Tom Halleran	Non-voting	Tom Halleran							
William P. Short	Non-voting	William Short	Marc Schaefer	Joe DeVito	John Brodbeck	Ron Matlock	Paul Savage	Roberto Denis	
zNew Member	Non-voting								
zNew Member	Non-voting								
zNew Member	Non-voting								
zNew Member	Non-voting								
zNew Member	Non-voting								
zNew Member	Non-voting								
zNew Member	Non-voting								
zNew Member	Non-voting								
zNew Member	Non-voting								
zNew Member	Non-voting	None Assigned							

NYISO and Hunton & Williams Members in Attendance:

Ira Freilicher	Hunton & Williams
Kathy Robb	Hunton & Williams
James Schmidt	Hunton & Williams

New York Independent System Operator - Committee Membership

Business Issues Committee - Attendance March 16, 2005 - Albany, NY - Parties Checked in Attendance

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Proxy	Guest
✓ Belinda Thornton	NYISO								
✓ Brad Kranz	NYISO								
✓ Chuck King	NYISO								
✓ Steve Lemme	NYISO								
✓ Nicole Bouchez	NYISO								
✓ Bob Thompson	NYISO								
✓ Kristen Kranz	NYISO								
✓ Leigh Bullock	NYISO								
✓ Ray Stalter	NYISO								
✓ Debbie Eckels	NYISO								
✓ Steve Lemme	NYISO								
✓ Elaine Robinson	NYISO								
✓ Gerald Deaver	NYISO								
Tim Schmehl	NYISO								
Phil Gootee	NYISO								
John Cutting	NYISO								
Jane Lathrop	NYISO								
Ernie Cardone	NYISO								
John Charlton	NYISO								
Kathy Whitaker	NYISO								
Andy Hartshorn	NYISO/LECG								

Key:

✓ = In attendance