

**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 16<sup>th</sup> and 25<sup>th</sup> meetings, which included Market Participant comments, to BIC members before the meeting. At the request of Tom Rudebusch ~~for~~ the MEUA with the NY Association of Public Power, consideration of the Minutes for February 16<sup>th</sup> and February 25<sup>th</sup> meetings was tabled.

Motion 1:

Motion to approve the minutes from the February 16<sup>th</sup> and 25<sup>th</sup> 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 13<sup>th</sup> 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 26<sup>th</sup>. 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 8<sup>th</sup> and 9<sup>th</sup> 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 8<sup>th</sup> and 9<sup>th</sup> 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 2<sup>nd</sup> and the 3<sup>rd</sup> 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 25<sup>th</sup>. 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 28<sup>th</sup>. 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](http://www.nyiso.com) and [mdex.nyiso.com](http://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 26<sup>th</sup>. 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](http://www.nysio.com) or [mdex.nyiso.com](http://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            |                      |                  |                  |                |       |       |
| Dynergy                                    | 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    |                   |             |             |                 |                |
| Caitness Energy, L.L.C                | Non-voting                    | Ross Ain            | Jack Feinstein   |                  |                   |             |             |                 |                |
| Cianbro                               | Non-voting                    | Ed Krapels          | Brian Chernak    | 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