

# **NYISO Management Committee Meeting Minutes**

November 29, 2006

New York State Nurses Association

10:00 a.m. to 2:00 p.m.

DRAFT Minutes of the Meeting

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

Mr. Jerry Ancona (National Grid), Chairman, called the meeting to order at 10 a.m. He noted that this was his last MC as Chair, and thanked Mr. Ray Stalter and the NYISO staff, as well as the stakeholders, for their support during his tenure. Mr. Mark Lynch, President and CEO of the NYISO, as well as Mr. Stalter, thanked Mr. Ancona for his efforts as Chairman.

## **2. Approval of Minutes**

Mr. Stalter noted that the minutes to be approved were those for the September 29 and October 25, 2006 meetings. Both had minor administrative changes, after which both sets of minutes were approved.

### **Motion #1:**

Motion to approve the Minutes of the September 29, 2006 and October 25, 2006 Management Committee meetings.

***Motion approved unanimously by show of hands.***

## **3. President's Report**

Mr. Lynch began his report by noting the NYISO Board's approval of the 2007 Budget on November 21<sup>st</sup>, as recommended by the MC on November 6<sup>th</sup>. The Board also approved the NYISO management recommendation to develop tariff language to reflect NYISO's acceptance of the NERC ERO billing agent role, as explained in detail subsequently by Mr. Rob Fernandez of the NYISO. Mr. Fernandez noted that the NYISO would be bringing this tariff language, to be filed with the FERC via a "205" filing, back to the MC to be reviewed.

Ms. Doreen Saia of Mirant stated that the original Board motion did not include a provision for review of the ERO tariff language by the MC in cases where substantive comments were received by the NYISO and the Chair of the MC for this filing. Mr. Howard Fromer of PSEG followed up on Ms. Saia's comment by expressing concern that the MC By-Laws might need strengthening with regard to MC approval of filed tariff language, and asked that Ms. Saia's comments be included in these minutes. Mr. Neil Butterklee of Consolidated Edison noted that a By-Law meeting was scheduled for Mid-December.

Mr. Lynch continued with the President's Report by noting that the NYISO Customer Relations Department would be rolling out a new structure on December 12. The new tiered structure is expected to allow for better service and faster resolution of Market Participants' (MPs') inquiries. Letters are to be sent to MPs shortly about this, and the NYISO web site will have this information as well.

Next, Mr. Lynch addressed the recovery of previously declared bad debt losses; the NYISO will be refunding an additional \$1.8m recovered against the Enron bad debt losses declared in 2003. Refunds will be processed to those MPs originally assessed the Enron loss on the November 2006 invoice, to be issued on December 7, 2006. Also, there are \$194,000 in new bad debt losses; these will be charged to MPs on the January 2007 invoice coming out February 7, 2007.

There were late postings of prices on November 23 and 24<sup>th</sup>; Mr. Lynch discussed the software/staff issues (e.g. "flag" settings, etc.) behind this and noted that the relevant procedures and controls have been reviewed and the expectation is that the controls are in place to prevent future occurrences of these process errors.

Mr. Lynch talked about the Board and Board Committee meetings that will be held on December 18<sup>th</sup>, with the Liaison Committee Meeting following in the late afternoon per discussions with meeting participants. In response to a question from Mr. Stuart Nachmias of Consolidated Edison, Mr. Lynch replied that the NYISO would look into providing full teleconference capabilities for the Liaison meeting. Separately, after some discussion, Mr. Lynch stated that the NYISO would try to send out information regarding Board decisions (especially relating to In-City ICAP mitigation) made at that meeting before the holidays, with associated analysis from the NYISO Market Monitoring Department to be disseminated to MPs via a subsequent ICAP Working Group meeting. Any new post-December NYISO Board Meeting analysis from Market Monitoring would not be available until the January timeframe.

Mr. Lynch next provided an update on price validation. Overall pricing accuracy was good in November, with a single day accounting for 75% of the errors. The price correction processes have been improved, and have been reviewed with MPs. Projects to improve price validation processes are proceeding.

Responding to a question from the audience, Mr. Lynch said that the NYISO Strategic Plan had received Board approval and a presentation was planned for the MC in December.

#### **4. Summer 2006 Review of the New York Electricity Markets**

Dr. David Patton of Potomac Economics stated that he intended to go through his Summary of Conclusions. Starting with the summer of 2006 as compared to the summer of 2005, the NYISO market performed much better, especially with regard to Day-Ahead and Real-Time convergence.

Slides 11, 13, and 15: with the exception of Long Island, prices in 2006 have been lower, largely due to lower natural gas prices, and additional capacity brought on-line in New York City, though there was more effective offsetting scarcity pricing in the summer 2006 due to the hybrid pricing software deployed. In response to a question from Mike Mager (various end-users), Dr. Patton said the intent of this report was to analyze the market in times of peak conditions, and not longer-term markets such as the capacity market. Milder weather (lower loads) also contributed to lower prices in 2006.

Slide 20 looks at uplift expenses from BPCG expenses. NYC load pocket modeling has meant that Real-Time local reliability is tied less to In-City issues now; the increase in 2006 is tied to voltage issues outside NYC. Other RT Uplift is tied to GTs that run though not committed, and this has declined due to better modeling of the NYC load pockets. There was a short discussion about the bullet item on Slide 19 regarding uplift expenses for upstate generators who raised their prices substantially above marginal costs while staying under the applicable conduct thresholds for mitigation; it is thought that this was a transitory issue, though there may be value in further work that refines the definition of what a constrained area is when local reliability issues arise.

Dr. Patton next talked about Slide 24 on Day-Ahead and Real-Time price convergence. 2006 has seen much better convergence when compared to 2005. The RT price premium this year averaged 1 percent in NYC and 8 percent on Long Island.

Slide 33 on 10-Minute Total Reserve Prices in East NY shows somewhat better price convergence for 2006 vs 2005. There are various reasons for this, and it may be worth looking at instituting virtual trading for ancillary services at some future time, as well as examining the potential impact of the threat of mitigation on bidding patterns.

Slides 35 and 37 show better price convergence in 2006 for both 10-Minute Spinning Reserves and Regulation, respectively.

There followed a discussion on the likely time frame for instituting a Ancillary Services virtual trading capability, and the lack of knowledge of about the absolute size of the convergence problem for these products.

Slide 60 was used to show the amount of Eastern NY 10-Minute Reserves that were physically scheduled during shortage pricing intervals in the summer of 2006. This figure shows very good consistency between the pricing and physical dispatch passes of RTD during periods when shortage pricing was invoked; thus, shortage pricing in eastern NY has occurred during true shortages, and these shortages have been accurately reflected in the RT prices of energy and reserves. Dr. Patton stated that for 3% of the time intervals where shortage pricing was evident there was no physical reserve shortage. Dr. Patton continued by talking about hybrid pricing, the pricing and physical dispatches of the software, and dragging units, the topic of Slides 62-69. Dr. Patton noted that, for 15% (vs 43% in 2005) of the intervals where there was a physical shortage, the pricing pass of the dispatch software did not reflect this shortage, though the gap often was very small (Slide 61). The reasons for this improvement are the subject of Slide 63.

In response to a question from Mr. Mark Younger of Slater Consulting, Dr. Patton stated that combined cycle units were not separated out from other types of units for his analysis of the causes of differences between the pricing and physical dispatches due to dragging units.

Dr. Patton's next topic was the comparison of RTC and RTD results, and he suggested 3 areas that would bear looking at: 1) load forecasts used by the two systems, 2) the effect of external transactions ramping at the top of the hour, and 3) how the system is regulating.

His last topic is noted on Slide 7 which addresses transmission constraint shadow prices; these can reach very high levels for brief periods when redispatch options are unavailable or relatively ineffective. Transmission demand curves could be used to prevent redispatch in situations where there is little or no reliability benefit, though this idea requires further analysis.

Mr. Nachmias asked if Dr. Patton looked at the efficiency of external transactions; Dr. Patton replied that though he normally does, for this report his group did not; it will be in his Annual Report.

Mr. Younger opined that the inconsistent pricing assumptions between RTC and RTD used for evaluating external transactions may mean that there will always be associated differences between the two systems, and furthermore represents a substantial risk for MPs. Dr. Patton agreed that this was one of numerous areas that may be worth further examination.

## **5. Proposed Revisions to NYISO's Working Capital and Bad Debt Loss Methodologies – MC Discussion and Vote**

Ms. Mary McGarvey of the NYISO presented an overview of the above issue, with the NYISO recommendation to combine the two different bad debt loss allocation methodologies that had been in place for virtual and non-virtual transaction losses, and the annual rebalancing of working capital. The rationale for this recommendation is to provide a consistent approach between the virtual market and all other NYISO markets, and also that virtual bidding market participants do not share in the majority of bad debt losses or in working capital participation. Ms. McGarvey continued with detail of the dollar amounts related to the related determinant invoicing elements, and concluded with the proposed schedule for these tariff changes.

### **Motion #2:**

The Management Committee (MC) hereby approves revisions to Attachment I of the Market Administration and Control Area Services Tariff and Attachments U and V of the Open Access Transmission Tariff, as discussed at the Scheduling & Pricing Working Group meeting on October 31, 2006, and approved by the Business Issues Committee (BIC) on November 8, 2006.

The MC hereby approves proposed tariff revisions, as outlined in the presentation to the MC on November 29, to create a uniform methodology for calculating the allocation of bad debt losses incurred in any NYISO-administered market and for revisions to the annual rebalancing of customer contributions to the NYISO's working capital fund.

***Motion approved unanimously by show of hands with abstentions.***

*Note: Mr. Fromer asked that the minutes show his request that the proposed tariff language be circulated to MPs.*

## **6. Proposed Tariff Revisions Regarding Voluntary Withdrawal of Market Participants from the NYISO Administered Markets – MC Discussion and Vote:**

Ms. Kyla Douglas of the NYISO provided an overview of the retention of collateral from MPs who voluntarily withdraw from the NYISO markets, which the tariffs do not explicitly address. Retaining a portion of collateral from certain MPs voluntarily exiting the market could protect against the default on potential obligations arising from true-ups of prior-period statements, which could be posted some months after a MP withdraws from the market. This timing puts MPs at a greater risk of default, though the market and the billing system are both far more robust and adhere to a tighter schedule than earlier in the NYISO's history. Ms. Douglas concluded by reviewing the proposed rollout schedule.

### **Motion #3:**

The Management Committee (MC) hereby approves revisions to Attachment I of the Market Administration and Control Area Services Tariff and Attachments U and V of the Open Access Transmission Tariff, as discussed at the Scheduling & Pricing Working Group meeting on October 31, 2006, and approved by the Business Issues Committee (BIC) on November 8, 2006.

The MC hereby approves proposed tariff revisions, as outlined in the presentation to the MC on November 29, to create a uniform methodology for calculating the allocation of bad debt losses incurred in any NYISO-administered market and for revisions to the annual rebalancing of customer contributions to the NYISO's working capital fund.

***Motion approved unanimously by show of hands with abstentions.***

## **8. Revisions to the NYISO Services Tariff and OATT Regarding External Proxy Buses- MC Discussion and Vote**

Mr. Alex Schnell of the NYISO provided an update of External Proxy Buses on behalf of Peter Lemme. This agenda item was put in front of Item #7 for scheduling reasons. There are 2 new proxy buses that require tariff language changes; the Neptune HVDC tie between New Jersey and Long Island (going commercial in July 2007), and the Cedars Interconnection between Hydro-Quebec and the NYISO (implementation late in the first quarter of 2007).

Mr. Schnell first listed the supporting tariff changes for the Neptune Line, which are very similar to those in place for the Cross Sound Cable, including the 10-minute earlier DAM and RT Market closing times for this facility. Other changes include a new definition of associated Advance Reservations, provisions for the line to be subject to the Special Pricing Rule for Scheduled Lines, and data sharing between the PJM and NYISO Market Monitoring Units.

The Cedars Interconnection will require fewer tariff changes. The NYISO must identify this interconnection as a Scheduled Line in the OATT, and also this new proxy should be subject to the Special Pricing Rule for Scheduled Lines.

Dr. Kevin Jones of LIPA noted that the operation of the Neptune Line by next summer was of extreme importance to LIPA. He went on to thank NYISO staff for their work on this project.

### **Motion #4:**

The Management Committee (MC) hereby approves Revisions to the NYISO's Market Services Tariff and OATT that are necessary to implement the Cedars/Dennison and Neptune transmission facilities as scheduled lines, in a manner consistent with the information/descriptions provided to the S&P Working Group on October 18, 2006 and as approved by the Business Issues Committee (BIC) on November 8, 2006.

***Motion approved unanimously by show of hands.***

## **9. Proposed Tariff Modifications re: Generator Testing Exemptions-Payment for Energy Production – MC Discussion and Vote**

This Agenda item was also put in front of Item #7. Ms. Mollie Lampi of the NYISO presented an additional proposed tariff revision related to providing payment for energy produced during a Testing Period. The proposed treatment would parallel current penalty exemptions provided for generators in Start-Up and Shut-Down modes. If approved today, this would go to the Board in December. She noted a Technical Bulletin is under development that would be presented to the Market Structures Working Group. In response to a question from Mr. Nachmias, Ms. Lampi noted that the term “Testing Period” is a defined term, and carries with it certain bidding and notification requirements, to be detailed in the forthcoming TB. Mr. Mager asked if demand-side resources are to receive similar treatment. Ms. Lampi responded that this provision is for generators in the energy market and providing energy during their testing period, but a similar treatment for demand-side resources could be looked at. Mr. Younger stated that load reduction providers get paid for whatever they produce, and there are no provisions for penalties for those resources, and so this amendment simply puts the two types of resources on the same footing. Ms. Lampi replied that she was not prepared to discuss this issue now, (with respect to demand-side resources), but would be willing to revisit it in the future if Mr. Mager so wished.

### **Motion #5:**

The Management Committee (MC) hereby approves Revisions to Section 2.23a of the NYISO’s Market Services Tariff, amending the definition of Compensable Over-generation to add the term Testing Periods, as reviewed by the Market Structures Working Group (MSWG) on November 21, 2006, and as presented to the MC on November 29, 2006.

***Motion approved unanimously by show of hands.***

## **7. Proposed Amendment to Rate Schedule of the NYISO OATT re: Operating Reserves Cost Allocation- MC Discussion and Vote:**

Mr. Tim Duffy of the NYISO stated that through a formal Tariff review process for its Settlement System Replacement Project, NYISO staff found a conflict between the Tariff and the BAS software on September 21<sup>st</sup>. This was introduced by the SMD tariff change in February 2005. Whereas the Tariff has Operating Reserve Costs allocated on daily load shares, the software code uses hourly load ratio shares. This amendment would conform the Tariff to the code; the latter being more equitable as loads and exports not served during a particular hour should not incur reserve costs associated with that hour. There would also be greater consistency within the Tariff as other costs are allocated hourly. Mr. Duffy concluded with a summary of the proposed process with regard to related tariff filings.

In support of the NYISO’s position, Mr. Duffy asked Mr. Robb Pike of the NYISO to provide more background on the temporal aspects of the (production) Optimization Process, Resource Costs (scheduling vs. commitment costs), and Settlement Mechanisms. This included the questions of off-peak load paying for peak load reserve scheduling, or how short-term price signals should be consistent between payers and providers of services.

Mr. Tim Bush (MEUA) opined that reserves should be allocated over the whole day as they are committed by SCUC for the day. Also, export transactions take advantage of the fact that there are surplus reserves in off-peak hours, and should have to help pay for those costs in the on-peak hours.

Dr. Jones asked that the minutes show that LIPA opposed the NYISO’s waiver filing to FERC on this matter, and as a result would be abstaining on this vote. .

Motion (as amended)

### **Motion #6:**

*Whereas*, the NYISO has discovered an inconsistency between (i) the description of the recovery of the costs of Operating Reserves from LSEs and Transmission Customers scheduling Exports in the NYISO Open Access Transmission Tariff (“OATT”), Rate Schedule 5, and (ii) the manner in which it

actually recovers the costs of Operating Reserves from LSEs and Transmission Customers scheduling Exports, and *Whereas*, the NYISO explained this inconsistency to the Market Participants at scheduled meetings of the Market Structures Working Group on October 11, 2006 and November 6, 2006, and at a scheduled meeting of the Business Issues Committee on October 18, 2006; and *Whereas*, the Business Issues Committee reviewed the description of the issue provided by the NYISO on November 8, 2006, and approved the NYISO's recommendation that the manner in which it has been recovering the costs of Operating Reserves from LSEs and Transmission Customers scheduling Exports is an appropriate method for prospectively recovering the costs of Operating Reserves in the NYISO market.

*Now, therefore*, the Management Committee approves an amendment to Rate Schedule 5 of the OATT for the purpose of a filing pursuant to Section 205 of the Federal Power Act, such amendment to conform the description of the recovery of the costs of Operating Reserves from LSEs and Transmission Customers scheduling Exports in the NYISO OATT, Rate Schedule 5 to the presentation materials provided to the MC at this November 29, 2006 meeting.

***Motion approved by majority show of hands with abstentions.***

## **10. New Business**

None

## **11. Adjourn**

Meeting adjourned at 2:00 PM.

Respectfully Submitted,  
Bill Porter  
Recording MC Secretary

# NYISO Management Committee Meeting

November 29, 2006

NYSNA

## MOTIONS FROM THE MEETING

### **Motion #1:**

Motion to approve the Minutes of the September 29, 2006 and October 25, 2006 Management Committee meetings.

***Motion approved unanimously by show of hands.***

### **Motion #2:**

The Management Committee (MC) hereby approves revisions to Attachment I of the Market Administration and Control Area Services Tariff and Attachments U and V of the Open Access Transmission Tariff, as discussed at the Scheduling & Pricing Working Group meeting on October 31, 2006, and approved by the Business Issues Committee (BIC) on November 8, 2006.

The MC hereby approves proposed tariff revisions, as outlined in the presentation to the MC on November 29, to create a uniform methodology for calculating the allocation of bad debt losses incurred in any NYISO-administered market and for revisions to the annual rebalancing of customer contributions to the NYISO's working capital fund.

***Motion approved unanimously by show of hands with abstentions.***

### **Motion #3:**

The Management Committee (MC) approves revisions to Attachment K of the Market Administration and Control Area Services Tariff and Attachment W of the Open Access Transmission Tariff, as discussed at the Scheduling & Pricing Working Group meeting on October 31, 2006, and as approved by the Business Issues Committee (BIC) on November 8, 2006.

The MC hereby approves proposed tariff revisions, as outlined in the presentation to the MC on November 29, to reduce the NYISO's risk of bad debt losses by allowing it to retain a portion of a Customer's collateral upon its exit from the NYISO-administered markets to secure any remaining true-up obligations that may later be payable by the Customer.

***Motion approved unanimously by show of hands.***

### **Motion #4:**

The Management Committee (MC) hereby approves Revisions to the NYISO's Market Services Tariff and OATT that are necessary to implement the Cedars/Dennison and Neptune transmission facilities as scheduled lines, in a manner consistent with the information/descriptions provided to the S&P Working Group on October 18, 2006 and as approved by the Business Issues Committee (BIC) on November 8, 2006.

***Motion approved unanimously by show of hands.***

**Motion #5:**

The Management Committee (MC) hereby approves Revisions to Section 2.23a of the NYISO's Market Services Tariff, amending the definition of Compensable Over-generation to add the term Testing Periods, as reviewed by the Market Structures Working Group (MSWG) on November 21, 2006, and as presented to the MC on November 29, 2006.

***Motion approved unanimously by show of hands.***

**Motion #6:**

*Whereas*, the NYISO has discovered an inconsistency between (i) the description of the recovery of the costs of Operating Reserves from LSEs and Transmission Customers scheduling Exports in the NYISO Open Access Transmission Tariff ("OATT"), Rate Schedule 5, and (ii) the manner in which it actually recovers the costs of Operating Reserves from LSEs and Transmission Customers scheduling Exports, and

*Whereas*, the NYISO explained this inconsistency to the Market Participants at scheduled meetings of the Market Structures Working Group on October 11, 2006 and November 6, 2006, and at a scheduled meeting of the Business Issues Committee on October 18, 2006; and

*Whereas*, the Business Issues Committee reviewed the description of the issue provided by the NYISO on November 8, 2006, and approved the NYISO's recommendation that the manner in which it has been recovering the costs of Operating Reserves from LSEs and Transmission Customers scheduling Exports is an appropriate method for prospectively recovering the costs of Operating Reserves in the NYISO market.

*Now, therefore*, the Management Committee approves an amendment to Rate Schedule 5 of the OATT for the purpose of a filing pursuant to Section 205 of the Federal Power Act, such amendment to conform the description of the recovery of the costs of Operating Reserves from LSEs and Transmission Customers scheduling Exports in the NYISO OATT, Rate Schedule 5 to the presentation materials provided to the MC at this November 29, 2006 meeting.

***Motion approved by majority show of hands with abstentions.***



# New York Independent System Operator - Committee Membership

## Management Committee - Attendance November 29, 2006 - 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. | Paul DeCotis         | Karl Michael          | ✓ David Coup     | Erin Hogan        | Christopher Hall  |               |               |                   |
| The City of New York                       | End Use - Gov. Agency/Aggr. | Michael Delaney      | Gil Quiniones         | Thomas Simpson   | Jonathan Wallach  | Craig Wilson      |               |               |                   |
| Alcoa/Reynolds Metals Company              | End Use - Large Consumer    | Robert Loughney      | ✓ Michael Mager       | ✓ Cara Lewis     |                   |                   |               |               |                   |
| Helmsley-Spear Inc.                        | End Use - Large Consumer    | David Bomke          | George Diamantopoulos | Edward Strauss   | Herb Rose         |                   |               |               |                   |
| IBM Corporation                            | End Use - Large Consumer    | Robert Loughney      | ✓ Michael Mager       | ✓ Cara Lewis     |                   |                   |               |               |                   |
| Occidental Chemical Corp.                  | End Use - Large Consumer    | Robert Loughney      | ✓ Michael Mager       | ✓ Cara Lewis     |                   |                   |               |               |                   |
| Praxair Inc.                               | End Use - Large Consumer    | Robert Loughney      | ✓ Michael Mager       | ✓ Cara Lewis     |                   |                   |               |               |                   |
| Wegmans Food Markets                       | End Use - Large Consumer    | Robert Loughney      | ✓ Michael Mager       | ✓ Cara Lewis     |                   |                   |               |               |                   |
| 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           | Christopher Wentlent | Rick Santoroski       | Charles Sjoberg  | Dave Evanoski     |                   |               |               |                   |
| Astoria Energy LLC                         | Generation Owners           | Joseph Swift         | Leonard Singer        | Chuck McCall     |                   |                   |               |               |                   |
| Calpine                                    | Generation Owners           | Brett Kruse          | Kris Zadlo            | Brent Hebert     |                   |                   |               |               |                   |
| East Coast Power Linden Holding LLC        | Generation Owners           | Thomas Hoatson       | Robert Licato         | Kathy Benini     |                   |                   |               |               |                   |
| Edison Mission Marketing & Trading         | Generation Owners           | ✓ William Roberts    | Jeffrey Ellis         | Peter Brown      | ✓ Rich Mooney     |                   |               |               |                   |
| Energy Nuclear Northeast                   | Generation Owners           | Marc Potkin          | Angelo Vai            | ✓ Ron Mackowiak  |                   |                   |               |               |                   |
| Horizon Wind Energy                        | Generation Owners           | Anntonette Alberti   | Patrick Doyle         | P.J. Saliterman  | Charlie Turlinski | Scott Alexander   | Greg Kemmis   |               |                   |
| Indeck Energy Services                     | Generation Owners           | Mike Ferguson        | John Schrage          | ✓ Mark Younger   |                   |                   |               |               |                   |
| KeySpan Ravenswood, LLC                    | Generation Owners           | Jim Brennan          | Rich Hohliman         | Joe Vignola      | ✓ Jim D'Andrea    | ✓ Madison Milhous | Rich Rapp     |               |                   |
| Mirant New York, Inc.                      | Generation Owners           | Philip Smith         | ✓ Doreen Saia         |                  |                   |                   |               |               |                   |
| New Athens Generating Co.                  | Generation Owners           | Jack Breen           | Chris Bursaw          | Dan DeVinney     | Rich Felak        |                   |               |               |                   |
| Noble Environmental Power LLC              | Generation Owners           | Thomas Swank         | Liz Grisaru           |                  |                   |                   |               |               |                   |
| Selkirk Cogen Partners, L.P.               | Generation Owners           | Tim Biittig          | Steve Kamppila        |                  |                   |                   |               |               |                   |
| TransCanada Power Marketing                | Generation Owners           | William Taylor       | Elaine Beaudry        |                  |                   |                   |               |               |                   |
| AB Energy Inc.                             | Other Suppliers             | ✓ Andrew Bachert     |                       |                  |                   |                   |               |               |                   |
| Advantage Energy, Inc.                     | Other Suppliers             | Kyle Storie          |                       |                  |                   |                   |               |               |                   |
| Amerada Hess Corporation                   | Other Suppliers             | Hemant Jain          | Kevin Laguardia       | Blas Hernandez   | George Braulke    |                   |               |               |                   |
| Brookfield Energy Marketing Inc.           | Other Suppliers             | ✓ Robert Ricketts    | Daniel Whyte          |                  |                   |                   |               |               |                   |
| Cinergy Capital and Trading                | Other Suppliers             | John Deeds           | Walt Yeager           |                  |                   |                   |               |               |                   |
| Con Edison Energy                          | Other Suppliers             | Ken Bekman           | Ivan Kimball          |                  |                   |                   |               |               |                   |
| Con Edison Solutions                       | Other Suppliers             | Ken Bekman           | Stephen Wemple        |                  |                   |                   |               |               |                   |
| Conectiv                                   | Other Suppliers             | Bill Fehr            | John Foreman          |                  |                   |                   |               |               |                   |
| Constellation Energy Commodities, Inc.     | Other Suppliers             | ✓ Glen McCartney     | Dan Allegretti        | Tim Daniels      |                   |                   |               |               |                   |
| Constellation New Energy Inc.              | Other Suppliers             | Michael Constantine  | ✓ Tim Daniels         |                  |                   |                   |               |               |                   |
| Consumer Powerline                         | Other Suppliers             | Vinay Gupta          | Mike Gordon           | Ray Stirbys      | Chau Shien        |                   |               |               |                   |
| Coral Power, LLC                           | Other Suppliers             | ✓ Matt Picardi       | Marc Overdyk          | Dave French      |                   |                   |               |               |                   |
| DC Energy                                  | Other Suppliers             | Bruce Bleiweis       | Dean Wilde            | Andrew Stevens   | Sadao Milberg     | Chris Carpenter   | Matthew Tate  |               | ✓ Jonathan Harris |
| Dynergy                                    | Other Suppliers             | Barry Huddleston     | Jason Cox             | Kevin White      |                   |                   |               |               |                   |
| ECONergy                                   | Other Suppliers             | Saul Horowitz        | Tom Halleran          |                  |                   |                   |               |               |                   |
| Energy Curtailment Specialists, Inc        | Other Suppliers             | Glen Smith           | Stephen Lynch         | Marie Pieniazek  | Robert Boyle      |                   |               |               |                   |
| Energy Spectrum                            | Other Suppliers             | Gary David           | Henry Hartstein       | Aron Iskowitz    | Ruben Brown       | Arthur Pearson    |               |               |                   |
| EnerNoc                                    | Other Suppliers             | David Brewster       | Aaron Breidenbaugh    |                  |                   |                   |               |               |                   |
| Epic Merchant Energy                       | Other Suppliers             | Mike Kinsey          | ✓ Erik Abend          | Wade Sullivan    |                   |                   |               |               | ✓ Gordian Scott   |
| 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     |                   |                   |               | ✓ Glenn Haake |                   |
| Galt Power                                 | Other Suppliers             | ✓ Rick Mancini       | Stephen Fernands      |                  |                   |                   |               |               |                   |
| HQ Energy Services                         | Other Suppliers             | Michel Prevost       | ✓ Paul Norris         | Erik Bellavance  |                   |                   |               |               |                   |
| 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    | Nikolai Markarian |               |               |                   |
| NRG Power Marketing                        | Other Suppliers             | Tim Foxen            | ✓ Jim Mayhew          | Lee Davis        |                   |                   |               |               |                   |
| NU / Select Energy                         | Other Suppliers             | Gunnar Jorgensen     | Chris Dubay           |                  |                   |                   |               |               |                   |
| Ontario Power Generation Inc.              | Other Suppliers             | Barry Green          | ✓ Dave Barr           | Ken Lacivita     | Scott McArthur    | ✓ David Barr      | ✓ Glenn Haake |               |                   |

# New York Independent System Operator - Committee Membership

## Management Committee - Attendance November 29, 2006 - Albany, NY - Parties Checked in Attendance

| Organization                          | Sector                        | Representative      | Alternate1           | Alternate2        | Alternate3       | Alternate4      | Alternate5  | Proxy           | Guest              |
|---------------------------------------|-------------------------------|---------------------|----------------------|-------------------|------------------|-----------------|-------------|-----------------|--------------------|
| Orion Power New York                  | Other Suppliers               |                     | John Meyer           |                   |                  |                 |             |                 |                    |
| PPM Energy                            | Other Suppliers               | Thresa Allen        | T.H. Rawls           | Tom Shields       |                  |                 |             |                 |                    |
| PP&L Energy Plus                      | Other Suppliers               | Tom Hyzinski        | ✓ Joseph Langan      | Sharon Weber      |                  |                 |             |                 |                    |
| PSEG Energy Resources & Trade         | Other Suppliers               | ✓ Howard Fromer     | Michael LaFalce      |                   |                  |                 |             |                 |                    |
| 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               | Jason Barker        | Jeff Knox            | Pamela Melton     |                  |                 |             |                 |                    |
| TransEnergie U.S. Ltd.                | Other Suppliers               | Raymond Cox         | Michael Jacobs       |                   |                  |                 |             |                 |                    |
| U.S. Power Generating Co.             | Other Suppliers               | ✓ Liam Baker        | Mark Sudbey          |                   |                  |                 |             |                 |                    |
| Williams Power Company                | Other Suppliers               | David Singer        | Mark Lassman         | Robert O'Connell  |                  |                 |             |                 |                    |
| Long Island Power Authority           | Public Power - Authorities    | ✓ Kevin Jones       | Jim Wittine          | Dave Clarke       |                  |                 |             |                 |                    |
| New York Power Authority              | Public Power - Authorities    | Bob Deasy           | ✓ William Palazzo    | Kim Byham         |                  |                 |             |                 |                    |
| American Wind Energy Association      | Public Power - Environmental  | Valerie Strauss     | ✓ Larry DeWitt       | Douglas Ward      | Mike Jacobs      | Carol Murphy    |             |                 |                    |
| 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 | Matthew Benesh      | ✓ Tim Bush           | Jim Hamilton      | Ken Moore        | Jack Brown      |             |                 |                    |
| City of Jamestown Board of Pub. Util. | Public Power - Munis & Co-ops | David Gustafson     | Wally Haase          | John Oelbracht    | Steven Kulig     | ✓ 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           |                   |                  |                 |             |                 |                    |
| 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 | Hubert Bianco       | Anthony Fiore        | ✓ Tom Rudebusch   |                  |                 |             |                 |                    |
| Village of Rockville Centre           | Public Power - Munis & Co-ops | Paul Pallas         | Jim Hamilton         | Matthew Benesh    | Jim Hamilton     | Jack Brown      | Ken Moore   | ✓ Tom Rudebusch |                    |
| Village of Solvay                     | Public Power - Munis & Co-ops | Anthony Modafferi   | ✓ Tim Bush           |                   |                  |                 |             |                 |                    |
| Village of Westfield                  | Public Power - Munis & Co-ops | Jim Hamilton        | ✓ Tim Bush           | Matthew Benesh    | Jack Brown       | Ken Moore       |             |                 |                    |
| Central Hudson Gas & Electric         | Transmission Owners           | Charles Freni       | ✓ John Watzka        |                   |                  |                 |             |                 |                    |
| Consolidated Edison                   | Transmission Owners           | ✓ Stuart Nachmias   | ✓ Neil Butterklee    | Deidre Facendola  |                  |                 |             |                 | ✓ Paul Gioia       |
| National Grid                         | Transmission Owners           | ✓ Jerry Ancona      | Wes Yeomans          | Janet Gail Besser | Herb Schrayshuen | ✓ Bart Franey   | Terron Hill |                 |                    |
| NY State Electric Gas (NYSEG)         | Transmission Owners           | ✓ Ray Kinney        | ✓ Patti Caletka      | Hank Masti        | Cliff Olson      | Denis Wickham   |             |                 |                    |
| Orange & Rockland, Inc.               | Transmission Owners           | None Assigned       |                      |                   |                  |                 |             |                 |                    |
| Rochester Gas & Electric              | Transmission Owners           | ✓ Ray Kinney        | ✓ Patti Caletka      | Hank Masti        | Cliff Olson      | Denis Wickham   |             |                 |                    |
| Ace Energy Company, Inc               | Non-voting                    | Marie Pieniazek     | Stephen Lynch        |                   |                  |                 |             |                 |                    |
| ACENY                                 | Non-voting                    | Carol Murphy        | Valerie Strauss      |                   |                  |                 |             |                 |                    |
| Boundless Energy, L.L.C               | Non-voting                    | John Tompkins       | Brian Chernack       | Chuck Gilbert     |                  |                 |             |                 |                    |
| Caithness Energy, L.L.C               | Non-voting                    | Ross Ain            | Gary Keevill         | Mitchell Garber   |                  |                 |             |                 |                    |
| 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   |                      |                   |                  |                 |             |                 |                    |
| 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     |                      |                   |                  |                 |             |                 |                    |
| NYS Department of Public Service      | Non-voting                    | Penny Rubin         | ✓ Rajendra Addepalli |                   |                  |                 |             |                 | ✓ Heinrich, Bowman |
| Stealth Energy                        | Non-voting                    | Gad Cohen           |                      |                   |                  |                 |             |                 |                    |
| The Structure Group                   | Non-voting                    | Bob Furry           | Alex Lago            |                   |                  |                 |             |                 |                    |
| Tom Halleran                          | Non-voting                    | Tom Halleran        |                      |                   |                  |                 |             |                 |                    |
| US Direct Energy Inc.                 | Non-voting                    | Marie Pieniazek     | Stephen Lynch        |                   |                  |                 |             |                 |                    |
| 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                    | None Assigned       |                      |                   |                  |                 |             |                 |                    |

### NYISO and Hunton & Williams Members in Attendance:

|                          |                   |
|--------------------------|-------------------|
| ✓ Ira Freilicher         | Hunton & Williams |
| ✓ David Patton           | Potomac Economics |
| ✓ Pallas Lee Van Schaick | Potomac Economics |
| ✓ Rob Fernandez          | NYISO             |
| ✓ Mark Lynch             | NYISO             |

# New York Independent System Operator - Committee Membership

## Management Committee - Attendance November 29, 2006 - Albany, NY - Parties Checked in Attendance

| Organization     | Sector                         | Representative | Alternate1 | Alternate2 | Alternate3 | Alternate4 | Alternate5 | Proxy | Guest |
|------------------|--------------------------------|----------------|------------|------------|------------|------------|------------|-------|-------|
| ✓ John Buechler  | NYISO                          |                |            |            |            |            |            |       |       |
| ✓ Mollie Lampi   | NYISO                          |                |            |            |            |            |            |       |       |
| ✓ Garry Brown    | NYISO                          |                |            |            |            |            |            |       |       |
| ✓ Rana Mukerji   | NYISO                          |                |            |            |            |            |            |       |       |
| ✓ Mary McGarvey  | NYISO                          |                |            |            |            |            |            |       |       |
| ✓ Rick Gonzales  | NYISO                          |                |            |            |            |            |            |       |       |
| ✓ Leigh Bullock  | NYISO                          |                |            |            |            |            |            |       |       |
| ✓ Ray Stalter    | NYISO                          |                |            |            |            |            |            |       |       |
| ✓ Debbie Eckels  | NYISO                          |                |            |            |            |            |            |       |       |
| ✓ Rich Dewey     | NYISO                          |                |            |            |            |            |            |       |       |
| ✓ Mike Lissi     | NYISO                          |                |            |            |            |            |            |       |       |
| ✓ Frank Murray   | Environmental Advisory Counsel |                |            |            |            |            |            |       |       |
| ✓ Charles Garber | NYISO                          |                |            |            |            |            |            |       |       |
| ✓ Nicole Bouchez | NYISO                          |                |            |            |            |            |            |       |       |
| ✓ Ernie Cardone  | NYISO                          |                |            |            |            |            |            |       |       |
| ✓ John Cordi     | NYISO                          |                |            |            |            |            |            |       |       |
| ✓ Andy Antinori  | NYISO                          |                |            |            |            |            |            |       |       |
| ✓ Tim Duffy      | NYISO                          |                |            |            |            |            |            |       |       |
| ✓ Kyla Douglas   | NYISO                          |                |            |            |            |            |            |       |       |

**Key:**

✓ = In attendance