

DRAFT

**Management Committee Meeting Minutes  
17 October 2001  
In New York City**

**1. Introduction, Meeting Objectives, and Chairman's Report**

The meeting was called to order at 0932. Mr. Reed noted that the joint meeting on the previous day was an opportunity to have a dialogue with the Board.

He will be running the election for Vice Chair simultaneously with the MC meeting.

The BSP report will present a set of priorities to be voted on.

There are a number of reports on the agenda.

There is a tariff change to consider; recovery of regulatory fees

**2. Approval of 2 August and 17 August 2001 Minutes**

Ms. Robinson asked for a motion to approve the minutes.

**Motion #1:**

Motion to approve the Minutes of August 2, 2001 and August 17, 2001

***(Motion passed unanimously by show of hands)***

**3. Operations Report**

Ms. Lampi presented the Operations report. CPS2 was above 90%. She noted that prices were down in September, due to a fall in gas prices and a decrease in sendout. She commented briefly on Chart 4-R, which shows a downward trend in price corrections. The informational handouts contain more charts on the performance of the market.

The Board has directed the NYISO to file to permanently extend the penalties for physical withholding and persistent underbidding under Section 206.

She then explained the Con Ed ICAP *force majeure* reduction. She added that issues surrounding the impact on ICAP requirements of *force majeure* would be brought to the ICAP working group to discuss and develop appropriate language for the tariff if necessary.

Ms Lampi answered several questions about the penalties extension including that the introduction of VB did not eliminate the need for penalties as they were directed towards addressing the provision of false information or causing operational problems.

She referred the participants to the FERC Order of August 31 approving penalties for such behavior and Mr. Savitt recapped the FERC order on the Market Monitoring Plan from 23 December 1999, wherein FERC had addressed the issue originally.

Ms Lampi also answered several questions about the announced ICAP recalculation. She noted that specific load requirements of the destroyed buildings, that had been used to determine the appropriate reduction, were confidential and that the market participants may want to determine whether specific language dealing with these types of *force majeure* impacts should be reviewed for possible inclusion in the tariff. *Force majeure* here caused the loss of load in the ConEd transmission district.

In response to questions about the relocation of this load, Ms. Lampi responded that if the recalculation was determined based on the load in the buildings actually destroyed. She reported that the letter to FERC describing the calculation of these reductions would be released to Market Participants and that the issue could be further discussed with the ICAP Working Group if they so chose.

When asked why the NYISO acted unilaterally, Ms. Lampi responded that it was done in the timeframe just prior to the ICAP action, as that was when the issue came to the attention of the NYISO.

From the floor, it was opined that an ECA would have been the better approach.

#### **4. Report from Budget Standards and Performance Committee**

Mr. Amati presented the BSP report. No action is required today; it is a status report. He is looking for feedback from the MC.

The 2001 budget report is good news. The NYISO is just under budget, although legal and consulting fees are higher than budgeted. However, salaries and NPCC fees are lower than expected.

RTO proceedings, credit policy development, and changes in the billing process drove the overruns. Less hiring than expected has taken place.

He noted the need to keep the legal budget under control.

He then discussed the proposed incentive goals for 2002. As shown in the handout in the MC information packet, there is a Reliability Gateway – the maintenance of reliable service to the NYCA by achieving no loss of load exceeding 300 MW for more than 15 minutes; and a Market Gateway – the successful posting of DAM schedules and forward contracts by achieving daily posting more than 99% of the time.

He then presented the remaining eight goals as shown in the handout.

He said that the BSP believes that the goals are reasonable. The Board will probably take action in November.

In a comment on Goal 10 – project management deliverables – Mr. Sasson asked if the redesign of SCD was in the project list. Mr. Thompson said yes.

Mr. Fromer expressed concern about true-ups taking place over 24 months. Mr. Amati responded that the timeframe is built into the Tariff due to the TO metering adjustment processes.

Mr. Scheiderich asked about the progress in the accuracy of recent bills (as opposed to older bills), and will ask the BIC to address the issue.

Mr. Younger expressed concern about BME/SCD fixes and load pocket management not showing up in the incentives. Mr. Amati responded that the list was developed in May by the Project Priority Team (PPT) and Market participants were asked to provide input. He also stated that the BSP does not recommend specific projects as incentive goals, rather it recommends the NYISO achieve the high priority goals established by the PPT. If the Board chooses to include specific projects on the incentive list, that is their prerogative.

Mr. Younger wants incentives to reflect the importance of the above two issues. Mr. Amati asked Mr. Younger to send in a specific goal statement.

Ms. Saia reinforced the need to recognize the very high priority of the projects and to make such accomplishments very explicit.

Mr. Reed replied that the PPT would consider the issue.

Mr. Scheiderich noted that there were proposals to consider specific posting times.

Mr. Amati then moved on to the 2002 budget, explaining the assumptions presented in the handout.

He presented the overall numbers shown in slide 10 of the handout, based on the assumptions. There is an increase from \$103.7 million to \$119.3 million, and he commented that the \$15.6 million increase was large. The budget component of Rate Schedule 1 charges will rise from \$.60 per MWhr to \$.68 per MWhr.

Slides 12 and 13 show the preliminary high-level NYISO budget and the drivers behind the increase. Legal work, especially on the RTO will be brought in-house where possible to contain some of the legal costs.

There is new work for consultants on top of old work. Computer services and project development are necessary to get to the state of the art for the RTO.

There is planning for an alternate control center. There was a question about the need for an alternate control center if the ISOs in the Northeast should evolve into one RTO.

Mr. Sasson said that ConEd supports an alternate control center because the TOs have very limited capability to provide backup to the NYISO. They are not equipped to keep the market running for a long period of time.

Mr. Thompson responded that the entire structure of the market and grid management would have to be articulated.

Mr. Niazi expressed concern about the size of the consulting budget, noting that NYISO staff has grown large. Mr. Amati noted that there is much work to be done.

Mr. Picardi asked about whether any thought had been given to the development of an incentive for staying within the budget. Ms. McGarvey responded that it was not considered for 2002. Mr. Amati thought that the idea merited consideration for the future.

NYISO staff is having difficulties estimating regulatory fees right now, and also has to figure out how to collect for them. One thought is that there be an escrow account that would be out-of-budget.

Mr. Parmelee expressed concern about the cost factors of inside vs. outside counsel – a factor of 2-3 times.

He suggested that the LECG price verification process should be brought in-house.

Mr. Fernands suggested a comparison of \$/MWhr overhead with other ISOs.

Mr. Loughney asked if the 2002 budget accounts for everything the NYISO will spend on the RTO process. Mr. Amati responded that there are placeholders on the project list for anticipated projects. Ms. McGarvey said that there are legal and consulting estimates for the RTO built in.

Mr. Amati Stated he will meet with the PPT and NYISO staff to reassess the project priorities now that project budget costs have been determined. Other budget items will also be reviewed by the BSP and a recommendation for a 2002 budget will be presented to the Management Committee at its November 9, 2001 meeting.

The budget may need to be re-evaluated in response to the RTO order.

There are still some unfilled positions that might help reduce consulting costs.

The \$5M contingency could be brought down.

Mr. Fromer asked about a freeze scenario. Mr. Amati said that they took the PPT list as a must-do.

A number of general suggestions emerged.

Mr. Loughney asked about going back to the PPT to review projects.

Mr. Picardi reiterated the benefit of an incentive mechanism. Mr. Amati responded that managing within such an incentive might not make everyone happy if it results in eliminating important projects.

Mr. Hebson declared that the budget is extraordinary, especially given that NYPP managed the same system with far fewer resources.

Mr. Reed thanked Mr. Amati for a well-prepared presentation and noted that the MC would be considering more details for the next meeting. He also noted that the budget and the project priority process must be coordinated.

Mr. Niazi said that the projects should be considered with respect to the development of the RTO.

## **5. Pre-scheduling and Ramp Management Capability; Tariff filing required**

There is a motion to adjust the tariff language.

This topic refers to the ability to schedule imports, exports, and wheels prior to the DAM, and after the DAM but prior to each BME. The pre-scheduling process is intended to be a ramp management tool. This function will evaluate ramp and transmission capacity both before and after the transaction. This process will create an obligation to flow, since not showing up will have an effect on other MPs. The NYISO will pre-schedule up to the point of the lowest capacity margin seen on the interface. The result would be as full as possible a utilization of the import / export transmission system consistent with a rational margin of safety. Pre-scheduling up to this point would ensure to the highest degree possible that such a transaction will flow, rather than be curtailed under typical operation of the system. Mr. Younger asked that there be Market Participant input on what the levels ought to be. Transactions will have a cap or floor of \$999 / MW so as not to pre-empt the prescheduled transactions.

Mr. Fernands noted that pre-scheduled transactions could be price setters under certain conditions.

Mr. Parmelee asked about the cap on the wheel. Mr. Scheiderich responded that \$1,000 rather than \$2,000 for the wheel was the right number as determined by the Market Structures Working Group.

Mr. Samberg asked about time limits on how far ahead one could pre-schedule. Mr. Thompson replied that eighteen months was the time horizon.

Mr. Fromer asked about pre-scheduling with an as-yet-to-be-identified source. The timing of the completion of the NERC tag was unknown.

Mr. Masti asked about acceptance order. Mr. Scheiderich replied that pre-scheduling would be done on a first come first served basis.

Mr. Thompson noted that both control areas must accept the transaction and both must grant permission to unschedule it.

The Concept of Operations explains how curtailment would work. Mr. Reed confirmed that the Market Structures Working Group and the BIC had approved the process and that information is on the website in the “meeting materials” section of one of the groups. The NYISO took an action item to put the information on the TIE.

Mr. Fernands asked about certification of a certain amount of pre-scheduled transactions as an ICAP resource. The working group did not address that issue.

The handouts contain a chart with some examples.

Mr. Scheiderich said that detailed questions could be discussed at the MS&SP Working Group meeting on 23 October.

There is no tariff language yet; it needs to be developed.

Mr. Scheiderich moved adoption of the motion. Mr. Younger seconded it

Discussion:

Mr. Fromer – Lack of unanimity on this issue creates the need for a small group of people to resolve technical issues.

Mr. Parmelee proposed a friendly amendment that would let tariff review committee look at the language. Mr. Scheiderich deemed it unfriendly.

There was a brief discussion about the formation of the Tariff Review Committee, and Mr. Reed said that he would put that issue onto the next agenda.

Mr. Brown said that as Chair of BIC he would need to have it approve the tariff language.

Mr. Reed said that the issue would come back to the MC if there is lack of unanimity on the tariff language. He then proposed a modification of Mr. Parmelee’s amendment, that Mr. Scheiderich deemed friendly. Mr. Masti seconded the proposal.

**Motion #2:**

The Management Committee requests the ISO Board to concur in filing tariff amendments to implement Pre-scheduling Ramp Management capability as described in the materials presented to the Management Committee on 10/17/01, final tariff language to be approved by the Chairs and Vice Chairs of the MC and the BIC in consultation with the Market Structures Working Group.

***(Motion passed unanimously by show of hands)***

## 6. Election of Vice Chair

Mr. Reed moved forward the election of Vice-Chair so that multiple ballots could be taken if necessary. Mr. Breidenbaugh withdrew his candidacy prior to the first ballot.

Mr. Mayo reported that Garry Brown received 69.59% and is now the vice-chair.

## 7. Report from Market Structures Working Group New Initiatives; Report on the Pricing ECA

Mr. Scheiderich gave a presentation on the issues addressed by the Pricing Issues Task Force (PITF) in trying to improve the convergence of BME and real-time prices. His handout focused on solution paths and prioritization of various initiatives. Those initiatives range from the inclusion of certain OOM units in the price-setting algorithm (short term), to the redesign of BME and SCD (long term).

Sources of divergence between BME and SCD include load requirements, reserve modeling, and price setting logic.

He focused on the medium term, and presented a priority list of BME/SCD convergence initiatives ranked by priority and benefits.

Mr. Wentlent asked about OOM management.

Mr. Reed noted that MC would eventually be considering various initiatives, including some that would directly address OOM.

## 8. State of the Market Report

Mr. Patton, the Market Advisor, reviewed highlights from his report.

### Overview:

He noted that IP-2 availability helped reduce prices by increasing power and pushing back on Total/East.

Mr. Picardi asked about 26 June 2000 and whether market power was exercised on that day. Mr. Patton replied that there was, but that there were other factors as well.

He referenced charts in the handout showing east prices vs. excess capacity and discussed the circumstances under which one would expect to experience price spikes. During his presentation, Mr. Patton stated that given the fact that a large proportion of some suppliers' revenue is based on price spikes, it is critical that prices be determined correctly and high prices be allowed to stand, where appropriate.

He discussed some of the divergence between DAM and RT prices. Some of the divergence is due to operational considerations: the models look at different things, and the real-time model is using current information. Other drivers of divergence might be related to load bidding strategies.

He addressed the reserve issue in BME vs. SCD. He expressed concern and pointed out as a high priority the need to implement some fixes.

He supported enhancements to SCD to address reserves and OOM issues.

#### Analysis of Offer patterns:

He said that his use of the term economic withholding was not a presumptive conclusion of the exercise of market power.

He did not observe any anomalous withholding as the peak period approached.

#### Analysis of Load Bidding:

Mr. Parmelee asked about the impact of the difference between shares of the market belonging to bilateral transactions vs. LBMP transactions. Mr. Patton replied that there was much impact.

He discussed the chart of scheduled DAM vs. actual RT load in the east and west. He noted that the west share of load transacted in the DAM is slightly less than that in the east. The east share is about 98% over the summer months, while the west share is 88%. Looking just at NYC and Long Island, the share is 102%, or a slight over-purchase in the DAM.

#### Ancillary Services (A/S):

He commented that the costs of reserves were moderate except on peak days.

The energy market competes for resources with the A/S market. Sometimes units that could offer reserves don't, possibly because of the lack of systematic lost opportunity payments. The consequences are that often-cheaper energy units are scheduled for A/S, leaving the NYISO with more expensive units to dispatch for energy.

#### Conclusions and Recommendations:

He referred to slide 2 of his presentation to note that prices in the summer were generally established at competitive levels, driven somewhat by lower fuel prices and lower generation outages.

He identified four issues as needing resolution:

- Impediments to trading outside the NYCA.
- Uplift resulting from poor convergence between BME and SCD.
- The extent of OOM generation, especially in NYC.



- Relatively low participation in the A/S market.

Mr. Younger asked about A/S expenses with peak days excluded, as shown in slide 39. Was the increase in expenses with inclusion of the peak days the result of higher clearing prices or the fact that the NYISO was searching for resources? Mr. Patton replied that it was the latter.

Mr. Brown asked if the PPT had done an assessment of which things would help most. Mr. Patton noted that sometimes there is no consensus on what is necessary to fix.

Mr. Parmelee inquired about the nature of the impediments of trading with New England. Mr. Patton responded that RT price differentials seem not to generate much of a response in subsequent hours.

There was an inquiry from the floor about the possibility that the various fixes could be short term, due to the RTO process. Could Mr. Patton quantify the benefits of the fixes? He replied that the benefits could be quantified, but that such quantification has not been done.

Mr. Reed noted that the A/S markets seem to work well when it doesn't really matter, but seem to break down when it does matter. He would expect price to be the same as energy during shortage, but it isn't. Why not?

Mr. Patton replied that it is not rational to refrain from offering A/S, even at multiples of the energy prices.

Mr. Brainard said that a generator in New England could set up a transaction in the DAM that could be adjusted immediately in RT. He wanted to know if there was an impact from such transactions. Mr. Patton replied that he had not yet examined those particular circumstances.

There was an inquiry from the floor about New England adopting the PJM design, and the impact of such an action. Mr. Patton noted that market efficiencies should improve, because instead of cuts there would be some kind of congestion management.

Mr. Brown asked about the modeling changes for OOM? Mr. Patton said that he was referring to modeling the 138kV system.

Mr. Fromer wanted to know when the market would emerge to run without various special rules.

Mr. Patton commented that the complexity of the market required complex rules, some of which will be in place for a while. Some of the aspects of the design require those rules.

**9. Report on Inter-regional Congestion Management Pilot; Draft Tariff distributed**

Ms. Lampi reported that the Inter-regional Congestion Management Pilot draft tariff language was distributed in the information packets and that comments were due back to her by October 19, 2001.

**10. Proposal to recover regulatory fees; Tariff proposal provided.**

Ms. Lampi presented the information that NYISO currently has about FERC's recovery of its costs. Sections 641 and 641a change how FERC covers its costs. FERC has ordered a new method of calculate fees (see handout).

She offered a motion to add regulatory fees as a permitted cost under Rate Schedule 1.

Mr. Rudebusch noted from slide 4 that TOs recover fees in their transmission charges. He wanted to know how such recovery will take place under new rules. Would the TOs then not be assessed the extra fee? Ms. Lampi said she presumed his premise was correct.

She did not know if the TSC would be reduced.

Mr. Fromer wanted to know if the new rules will shift who the collector is, or who will ultimately pay.

Ms. Lathrop replied that only utilities operating transmission under Section 582 would report the fees. Currently, public utilities and marketers pay a fee based on long-term firm sales for resale & FERC regulated transmission and short-term sales for resale, FERC regulated transmission, and exchanges. Starting in 2002, public utilities providing wholesale and unbundled retail transmission service, including ISOs will pay the FERC fees.

Mr. Bush said that the NYISO proposal needs to be accompanied by a reduction in the TSC.

Mr. Amati noted that the motion simply allows for inclusion of such changes in the tariff language.

Several participants expressed concerns about how they would be able to get a credit if they are due one. One thought was that charges collected in the old way after 1 Jan. could go into escrow for subsequent reallocation.

Mr. Scheiderich wanted the NYISO to get some clarity from FERC as to what it is doing with the TOs under the new procedure?

The NYISO took this request as an Action Item.

There was a comment from the floor that if there was no answer from FERC, then the motion should be reworded to prevent double charges to customers. recovery by FERC.

The NYISO took an Action Item to come back with an explanation of how the utilities are recovering FERC charges in their rates.

No vote was taken on the motion.

**11. New Business**

There was no new business.

**12. Adjourn**

The meeting was adjourned at 1431.

## **NYISO Management Committee Meeting**

October 17, 2001

Consolidated Edison, New York, NY

### **MOTIONS FROM THE MEETING**

#### **Motion #1:**

Motion to approve the Minutes of August 2, 2001 and August 17, 2001

***(Motion passed unanimously by show of hands)***

#### **Motion #2:**

The Management Committee requests the ISO Board to concur in filing tariff amendments to implement Pre-scheduling Ramp Management capability as described in the materials presented to the Management Committee on 10/17/01, final tariff language to be approved by the Chairs and Vice Chairs of the MC and the BIC in consultation with the Market Structures Working Group.

***(Motion passed unanimously by show of hands)***

\* The Management Committee elected Garry Brown, of Sithe, to fill the Vice Chair position for December 2001 through November 2002. Bob Hiney, the current Vice Chair will assume the position of Management Committee Chairman beginning December 1, 2001.

***(Mr. Brown was elected MC Vice Chairperson by ballot with 69.59% affirmative votes)***

**New York Independent System Operator - Committee Membership**

**Management Committee - October 17, 2001 - Meeting in NYC - Members Checked in Attendance**

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Proxy	Guest
NYS Energy Research & Develop. Auth.	End Use - Gov. Agency/Aggr.	Paul DeCotis	Charles Kowalski	Jeffrey Gerber		✓ Tariq Niazi	
The City of New York	End Use - Gov. Agency/Aggr.	✓ Jay Kooper	Richard Miller			Jonathan Wallach	
Alcoa/Reynolds Metals Company	End Use - Large Consumers	Leonard Singer	✓ Robert Loughney	Michael Mager			
Amerada Hess Corporation	End Use - Large Consumers	John Schultz	Mark Wilson	Michael DiBella	Greg Sticka		
ATCO Management Co.	End Use - Large Consumers	Peter DiCapua	Scott Petersen	George Diamantopoulos	Steven Latargia		
IBM Corporation	End Use - Large Consumers	Leonard Singer	✓ Robert Loughney	Michael Mager			
Occidental Chemical Corp.	End Use - Large Consumers	Leonard Singer	✓ Robert Loughney	Michael Mager			
Praxair Inc.	End Use - Large Consumers	Christian Lenci	Leonard Singer	✓ Robert Loughney	Michael Mager		
Xerox Corporation	End Use - Large Consumers	Leonard Singer	✓ Robert Loughney	Michael Mager			
Metropolitan Transportation Authority	End Use - Large Cons. Gov.	✓ Jesse Samberg	Gary Caplan	Walter McCarroll			
Aaron Breidenbaugh	End Use - Small Consumers	✓ Aaron Breidenbaugh					
Association for Energy Affordability, Inc.	End Use - Small Consumers	David Hepinstall	Larry DeWitt				
Beth Israel Health Care System	End Use - Small Consumers	Catherine Luthin	✓ John Dowling	Jennifer Kearney	✓ Tariq Niazi		
Building and Realty Institute	End Use - Small Consumers	Herb Rose	Jeff Hanley	Catherine Luthin	✓ John Dowling		
Caithness Energy, L.L.C	End Use - Small Consumers	Daniel McBrearty	✓ Jack Feinstein				
Citizens Advisory Panel	End Use - Small Consumers	Gordian Raacke	Larry DeWitt				
CNYC Inc. (Council of NY Coop & Condo)	End Use - Small Consumers	Herb Rose	MaryAnn Rothman	Catherine Luthin	✓ John Dowling		
Columbia University	End Use - Small Consumers	Catherine Luthin	✓ John Dowling	Jennifer Kearney	✓ Tariq Niazi		
Hudson River Energy Group	End Use - Small Consumers	Frank Radigan					
Mount Sinai Medical Center	End Use - Small Consumers	Catherine Luthin	✓ John Dowling	Jennifer Kearney	✓ Tariq Niazi		
New York Energy Buyers Forum	End Use - Small Consumers	Catherine Luthin	✓ John Dowling	Jennifer Kearney	✓ Tariq Niazi		
New York Presbyterian Hospital	End Use - Small Consumers	Catherine Luthin	✓ John Dowling	Jennifer Kearney	✓ Tariq Niazi		
New York University	End Use - Small Consumers	Catherine Luthin	✓ John Dowling	Jennifer Kearney	✓ Tariq Niazi		
Refined Sugars, Inc.	End Use - Small Consumers	John Gebhard	Paul Faia	Catherine Luthin	✓ John Dowling		
William P. Short	End Use - Small Consumers	William Short	Marc Schaefer	Joe DeVito	John Brodbeck	Roberto Denis	
NY State Consumer Protection Board	End Use - State Agency	✓ Tariq Niazi	Doug Elfner				
AES NY	Generation Owners	✓ Christopher Wentlent	Rick Santoroski				
American National Power, Inc.	Generation Owners	Dorothy Capra	Bill Henson				
Astoria Energy LLC	Generation Owners	William May	Leonard Singer				
Calpine	Generation Owners	John Eff	Thomas Kaslow	Richard Felak			
CH Resources	Generation Owners	Gary Thom	Gary Miller	Diane Seitz			
East Coast Power	Generation Owners	Gary Keevill	Asavari Alvarez				
Edison Mission Marketing & Trading	Generation Owners	✓ William Roberts	✓ Robert Agnello	Jeffrey Ellis			
Entergy Nuclear Northeast	Generation Owners	✓ Marc Potkin	William Stone	Ron Mackowiak			
Indeck Energy Services	Generation Owners	Mike Ferguson	John Schrage	✓ Mark Younger			
KeySpan Ravenswood, Inc	Generation Owners	James Brennan		Dick Ackerson	Ron Lukas		
Mirant New York, Inc.	Generation Owners	Joe Holtman	Mark Petro	✓ Doreen Saia			
NRG Energy	Generation Owners	Joe Devito	✓ Frank Rapley	Paul Savage	Marc Dworkin	Chris Young	
Orion Power New York	Generation Owners	Mark Sudbey	✓ Janet Audunson	✓ John Reese			✓ Bruce Bleiweis
PG&E Generating	Generation Owners	✓ Steve McDonald	Jeff Simmons				
PSEG Energy Resources & Trade	Generation Owners	✓ James Hebson	Michael LaFalce				
Sithe Energies, Inc.	Generation Owners	✓ Tim Bush	✓ Garry Brown	David Applebaum			
TransCanada Power Marketing	Generation Owners	William Taylor	Elaine Beaudry				
NYS Department of Public Service	Non-voting	✓ Saul Rigberg	✓ Joel Brainard				✓ Tom Dvorsky
1st Rochdale Cooperative NYC	Other Suppliers	Phyllis Kessler	Gregory Wortham	Andrea Mendez			
Advantage Energy, Inc.	Other Suppliers	Kyle Storie					
Aquila Energy Marketing Corp.	Other Suppliers	Jason Stever	✓ Peter Brown	David Wiesner	Pamela VanHorn		
Automated Power Exchange (APX)	Other Suppliers	Gary Zielanski	Mike FitzPatrick				
Cinergy Capital and Trading	Other Suppliers	Walt Yeager	Jan Bagnall				
Cinergy Services	Other Suppliers	Walt Yeager	Jan Bagnall				
Con Edison Energy	Other Suppliers	Ken Bekman	Ivan Kimball				
Con Edison Solutions	Other Suppliers	Ken Bekman	✓ Stephen Wemple				
Conectiv	Other Suppliers	Steve Huntoon	Bill Fehr				
Constellation Power Source	Other Suppliers	✓ Harvey Reed	Glen McCartney	David Taylor			
Duke Energy North America, LLC	Other Suppliers	Ronald Matlock	Del Disher	Tom Bankert			
Dynegy	Other Suppliers	✓ Chad Wagner	✓ Matthew Picardi				
El Paso Merchant Energy	Other Suppliers	Alan Foster	Eric Stoerr			✓ Russel Like	
Energetix, Inc.	Other Suppliers	Barney Farnsworth					
Enron Power Marketing Inc.	Other Suppliers	✓ Howard Fromer					
Exelon Generation - Power Team	Other Suppliers	Regina Carrado	✓ Garry Brown	David Applebaum	✓ Tim Bush		
FPL Energy	Other Suppliers	Roberto Denis	Bill Fenerty				
HQ Energy Services	Other Suppliers	Benoit Goyette	✓ Michel Prevost	Paul Norris	Joel Zipp		
KeySpan Energy Services	Other Suppliers	Ron Lukas	Ruben Brown	Peter Chamberlain	John Smith		
Transalta (formerly MEGA)	Other Suppliers	Daniel Lobue	John Carmody				
Morgan Stanley Capital Group	Other Suppliers	✓ Patrick Murray	Karen Kochonies	Levon Kazarian	Doron Ezickson		
New Energy Inc.	Other Suppliers	Peter Duprey	✓ Stephen Fernands				
Niagara Mohawk Energy Marketing	Other Suppliers	Marc Overdyk	Jim Cifaratta				
NU / Select Energy	Other Suppliers	Gunnar Jorgensen	✓ James Scheiderich				
Ontario Power Generation Inc.	Other Suppliers	✓ Barry Green	Tasos Karatsoreos	Ken Lacivita			
PP&L Energy Plus	Other Suppliers	John Brodbeck		Roger Dolan	Garreth Kirkner	✓ Peter Brown	
PSEG Energy Technologies Inc.	Other Suppliers	Patricia Esposito					
Sempra Energy Trading	Other Suppliers	Bill Winget	Dana Volpe	✓ Russel Like			
Strategic Energy LLC	Other Suppliers	Michael Swider	Jeffrey Knox	James McCormick	Helen Caldwell		
Strategic Power Management, Inc.	Other Suppliers	Dan Duthie	✓ Mario DiValentino				
TransEnergie U.S. Ltd.	Other Suppliers	José Rotger	Michael Jacobs				
Williams Energy Marketing & Trading Co.	Other Suppliers	Dennis Keener	Robert O'Connell				
Long Island Power Authority	Public Power - Authorities	✓ Jim Parmelee	Seth Hulkower	Alan Elberfield			
New York Power Authority	Public Power - Authorities	✓ Robert Hiney	✓ William Palazzo	Kim Byham			
American Wind Energy Association	Public Power - Environmental	David Wooley	Larry DeWitt			✓ Bob Loughney	
Environmental Advocates	Public Power - Environmental	Anne Reynolds	Larry DeWitt			✓ Bob Loughney	
Nat'l Resources Defense Council	Public Power - Environmental	Dale Bryk	Larry DeWitt			✓ Bob Loughney	
Pace University	Public Power - Environmental	Edward Smeloff	Larry DeWitt			✓ Bob Loughney	
Scenic Hudson	Public Power - Environmental	Larry DeWitt				✓ Bob Loughney	
Bath Electric, Gas & Water Systems	Public Power - Munis & Co-ops	Neil Wrinkle	✓ Paul Pallas	Jim Hamilton	Jack Brown	✓ Tom Rudebusch	
City of Jamestown Board of Pub. Util.	Public Power - Munis & Co-ops	✓ Michael Darroch	David Gustafson	Wally Haase	✓ Tom Rudebusch		
Plattsburgh Municipal Lighting Dept.	Public Power - Munis & Co-ops	Jack Brown	✓ Paul Pallas	✓ Tom Rudebusch			
Village of Fairport	Public Power - Munis & Co-ops	Ken Moore	✓ Tom Rudebusch	✓ Paul Pallas			
Village of Freeport	Public Power - Munis & Co-ops	Hubert Bianco	Robert Kortright				
Village of Rockville Centre	Public Power - Munis & Co-ops	✓ Paul Pallas	Jim Hamilton	Jack Brown	Ken Moore	✓ Tom Rudebusch	
Village of Westfield	Public Power - Munis & Co-ops	Jim Hamilton	✓ Paul Pallas	Neil Wrinkle	Jack Brown	✓ Tom Rudebusch	
Central Hudson Gas & Electric	Transmission Owners	✓ Charles Freni	John Watzka	Ronald Brand			
Consolidated Edison	Transmission Owners	Joe Oates	✓ Mayer Sasson	Stuart Nachmias	Neil Butterklee	✓ Terry Agriss	✓ Paul Gioia

**New York Independent System Operator - Committee Membership**

**Management Committee - October 17, 2001 - Meeting in NYC - Members Checked in Attendance**

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Proxy	Guest
Niagara Mohawk Power Company	Transmission Owners	Clement Nadeau	Jerry Ancona	✓ Martin Amati	Herb Schrayshuen		
NY State Electric Gas (NYSEG)	Transmission Owners	Denis Wickham	Raymond Kinney	✓ Hank Masti		David Kimiecik(BIC)	
Orange & Rockland, Inc.	Transmission Owners	Phil Nannery					
Rochester Gas & Electric	Transmission Owners	Clifton Olson	✓ Laurie King-Pirchner				
American Electric Power (AEP)	Non-voting	Glenn Riepl	James Shrewsbury				
New Member	Non-voting						
New Member	Non-voting						

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

- |                   |                   |
|-------------------|-------------------|
| ✓ Jim Schmidt     | Hunton & Williams |
| ✓ Jonathan Mayo   | NYISO             |
| ✓ Jim Savitt      | NYISO             |
| ✓ Elaine Robinson | NYISO             |
| ✓ Kristen Kranz   | NYISO             |
| ✓ Leigh Bullock   | NYISO             |
| ✓ Fran Haight     | NYISO             |
| ✓ Peter Lemme     | NYISO             |
| ✓ Mary McGarvey   | NYISO             |
| ✓ Brad Kranz      | NYISO             |
| ✓ Mollie Lampi    | NYISO             |
| ✓ Bob Thompson    | NYISO             |
| ✓ Jane Lathrop    | Navigant          |

**Key:**

- ✓ = In attendance
- ✓ = In attendance by teleconferencing