# **NYISO Business Issues Committee Meeting**

September 27, 2001

Marriott Hotel Beltrone Drive Albany, NY

#### **Draft MINUTES OF THE MEETING**

## I Welcome & Meeting Objectives

Mr. Garry Brown, Chairperson of the Business Issues Committee (BIC), called the meeting to order at 9:30 AM and welcomed the members of the Business Issues Committee. The attendees introduced themselves and the companies that they represent.

## II Approval of the Minutes

Mr. Glenn Haake, representing IPPNY, requested that action on the Minutes from the August 23, 2001 BIC meeting be delayed to allow time for IPPNY to draft comments pertaining to the Automated Mitigation Procedure discussion described in the Minutes. Action on the Minutes was postponed until the October 25, 2001 BIC meeting.

## III Chairperson's Report

Mr. Brown reported that there are currently two nominees for BIC Vice-Chairperson. He advised the BIC that the Management Committee (MC) election occurs prior to the BIC election and that the results of the MC election may impact the eligibility of one of the BIC Vice-Chairperson candidates. Should the MC election render one of the BIC candidates ineligible the BIC will seek an additional candidate. If no additional candidate is available the single remaining candidate will require a 58% majority for election.

### IV Market Operations Update

Mr. Charles King of NYISO reported that Ancillary Services prices were higher in August due to days with reserve shortages. He explained that the prices reflected scarcity situations over four hot days in August and pointed out that the higher prices were not related to Ancillary Services price issues experienced during the start-up of the NYISO.

Mr. King announced that the 2001 Customer Satisfaction Survey is in progress and reminded the BIC attendees to respond to the survey. He also discussed the schedule for the Sector Meetings and added that the meetings begin next week.

Mr. King reported that the NYISO Virtual Bidding (VB) project is on track for a November 1, 2001 implementation and that the NYISO was accepting registrations for VB participation. He added that registration for VB participation to date was light. Mr. King advised the BIC that the VB software is being tested and suggested a special BIC meeting or conference call to allow interested Market Participants to review the test results. Mr. Brown suggested that a working group should review the test results rather than the BIC because the process is less formal. There were no objections to this suggestion and Mr. Brown requested that the Chairpersons of the Schedule & Pricing (S&P) and Market Structure (MS) Working Groups determine the appropriate forum and schedule a meeting. Mr. Jim Scheiderich, Chairperson of the MS Working Group, indicated that there is a joint S&P and MS meeting scheduled for October 9<sup>th</sup> (2001) and asked if the NYISO could be ready with the test information by that time. Mr. King will investigate the status of the testing and advise the Chairpersons of the NYISO's ability to support the October 9<sup>th</sup> meeting. Mr. King also announced that Virtual Bidding training sessions were scheduled for October 16<sup>th</sup> and 29<sup>th</sup>.

In response to a question about the availability of answers to pending Out of Merit operation questions Mr. King stated that he believes that the NYISO will have information to report in time for the October 9<sup>th</sup> joint S&P/MS Working Group meeting.

In response to a question about the AMP analysis, Mr. King replied that the analysis is nearly complete and, with respect to the operations analyzed, in all cases where the AMP operated, it operated as designed. Mr. Mark Younger of Slater Consulting stated that the issue with the AMP is not whether or not it operated as designed, but whether the operation was consistent with the Market Monitoring Plan. Mr. King did not have specific results of the analysis available to respond to the question. Ms. Doreen Saia, representing Mirant, requested that Mr. King confirm that a letter that IPPNY submitted, defining AMP analysis issues, was being addressed. Mr. King will investigate the status of the analysis and respond via the TIE email distribution list.

In a report on the Northeast RTO Mediation Process, Mr. Rob Soeldner of NYISO reviewed the July 12<sup>th</sup> FERC Mediation Order and described the mediation process. He listed the various groups represented at the mediation sessions and added that over 200 people participated. Mr. Soeldner discussed the Administrative Law Judge's mandate to focus on process, and not substance issues and defined the Consensus RTO Principles, which he referred to as the starting point for the process. He explained the criteria for determining "Best Practices" and noted that nearly 50 Best Practices were identified throughout the process. Mr. Soeldner reported that there was a divergence of views with respect to the market design alternatives. He presented the three market design options that were discussed, provided a brief overview of each alternative, and identified the key proponents of each of the alternatives.

Mr. Soeldner explained the principal issues identified in the development of a governance plan and pointed out that the issue of stakeholder representation was not resolved yet. He reported that there were three governance options under consideration and that the make up of the RTO Board of Directors is a significant issue to be addressed. Mr. Soeldner concluded with a review of the Administrative Law Judge's report and pointed out that the Judge cautioned the FERC that "impatience, haste and greed" should "not be permitted to drive RTO implementation at the expense of sound policy."

In response to a question about NYISO's intent to file comments on the ALJ's report Mr. Soeldner replied that the NYISO has not decided yet.

In a status report on the Open Scheduling System (OSS), Mr. Glen Kaatz of NYISO defined the OSS as an industry leading set of tools for market participants and ISO's to interact, trade, and communicate across control areas. He outlined the project goals and summarized the business drivers behind the project. The project pilot is scheduled for a December 20<sup>th</sup> (2001) implementation.

Mr. Kaatz explained that the business design phase was increased by one week due to the complexity of some of the features incorporated. He reported that, as of week five of the business design phase, three "checkpoint" meetings had been conducted with market participants; the second revision of the ISO Interface Specification was distributed for comment; a second revision of the screen design was completed; the first of two usability tests had been conducted with market Participants; and that security issues were currently under investigation. He added that the project team was working with Sapient on technology issues and that they had identified third party packages for use in the project. Through the use of a feature comparison matrix, Mr. Kaatz compared features of the PJM Collaborative Scheduling System (CSS) with features of the OSS and pointed out that OSS features will vary depending upon the level of collaboration with PJM.

Several Market Participants questioned the need for the development of an inter-ISO scheduling system when PJM has already developed a system. Mr. Kaatz responded that the PJM developed system is limited in its ability to allow users to submit data and observe results. The level of collaboration with PJM was also questioned and Mr. Kaatz responded that there have been conference calls involving PJM personnel. Mr. Jim Scheiderich of Select Energy suggested that the topic be discussed at an upcoming Scheduling and Pricing Working Group meeting and that PJM personnel be invited to participate via conference call. Mr. King added that members of a new NPCC OSS users group also be included. Mr. Bradley Kranz, the BIC liaison will coordinate the participation of these groups in the proposed meeting.

In response to questions concerning provisions within the OSS for transactions on the Northport Tie and potential new ties, Mr. King replied that scheduling and modeling issues must first be worked out and that OSS was the communications portal.

Reporting on the status of Transaction Prescheduling, Mr. Robert deMello of NYISO defined Prescheduling as the ability to schedule imports, exports, and wheels prior to the Day-Ahead Market (DAM), and the ability to schedule additional imports, exports and wheels after the DAM but prior to each Balancing Market Evaluation (BME). He explained that the program would be implemented by giving prescheduled transactions a price priority over transactions submitted to the DAM or BME. Exports will be prioritized with a +\$1000 value and imports and wheels will be prioritized with a -\$1000 value. Mr. deMello added that prescheduled transactions would have an obligation to flow and described possible transaction opportunities. Prescheduled transactions would also allow for the scheduling of counter flow transactions. He explained that a transaction prescheduled prior to the DAM would be the last transaction to be not scheduled in the hierarchy

of transaction types and that the prescheduling functionality would be included in Phase II of the OSS pilot.

Tariff issues required to implement prescheduled transactions include 1) the definition of Prescheduled Transactions as price taking up to the current bid limit, 2) the authority to make minor changes ( $\pm$  \$5) in bid limits to support bid prioritization, and 3) give prescheduled transactions economic priority over transactions scheduled in the DAM and HAM.

Mr. Brown explained that the BIC would vote on approval of the concept and that the Management Committee (MC) would vote on the Tariff language.

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

Motion to accept the Pre-Scheduling: Forward Ramp and Transmission Reservations concept as presented in the Draft-3 Concept of Operations document to the Business Issues Committee on September 27, 2001, and direct the ISO staff to work with the Market Structure Working Group to develop Tariff language by November 1, 2001. (Motion passed unanimously by a show of hands)

## VI Working Group Updates

## **Scheduling and Pricing Working Group (S&PWG)**

Mr. Ray Kinney, chairperson of the S&PWG, reported that the S&PWG is currently addressing BME/SCD price difference and Out of Merit issues. He explained that, as the new S&PWG chairperson, he is evaluating the group's issues list and working with the BIC liaison to develop a plan to move forward.

## **Market Structure Working Group (MSWG)**

Mr. Jim Scheiderich, chairperson of the MSWG, thanked the MSWG participants and NYISO staff for their efforts as he outlined the group's accomplishments along with implementation dates for the various initiatives addressed by the group. He also discussed the current work of the group and reported on the work of several task forces including ICAP Deliverability, Congestion Reduction, Voltage Support Service, and Transmission Service Charge. Mr. Scheiderich added that the next major effort of the MSWG would be to address long-term solutions to the BME/SCD price difference issue.

## Price Responsive Load Working Group (PRLWG)

Mr. Larry Dewitt, chairperson of the PRLWG, reported that the PRLWG had three main objectives for the next three to four months. He defined the objectives to be 1) the development of improvements for the Emergency Demand and Day-Ahead Reduction Programs for next year with a focus on customer base load issues, 2) the development of a non-incentivized Day-Ahead program and 3) to perform a number of evaluations of both programs.

## **Installed Capacity Working Group (ICAPWG)**

Mr. John Charlton of NYISO reported that the FERC had approved Stage 2 UCAP and that the Tariff language and manuals were posted on the NYISO web site. He also informed the BIC that the FERC instructed the NYISO to calculate the In-City UCAP formula and that the number should be issued later that day.

Mr. Charlton informed the BIC that ISO-NE had filed to eliminate the recall provision from the Tariff allowing for the purchase of New England ICAP. He explained that a 350 MW limit was imposed for security reasons and that the rules for determining the limit were outlined in Section 2 of the manual.

In response to a question concerning the posting of EFORD data, Mr. Charlton responded that the information would not be posted but that individual EFORD information would be given to the individual Market Participants. He also stated that EFORD data could be estimated from the previous month's data and added that it would not change by more than  $1/12^{th}$ .

## IX New Business

Mr. Byron Farnsworth of Energetix requested that the BIC address the market rule that requires Market Participants to purchase power in 1 MW increments but settle to a much finer resolution. He explained that the rule has slowed retail access in New York by limiting the ability of small LSEs to participate. He also pointed out that the issue had been raised in the past and that no action had been taken. Mr. Kinney explained that the FERC had put the 1MW increment rule in the pro-forma Tariff and Mr. Bradley Kranz, the BIC liaison, pointed out that the issue is on the NYISO project list but needs to be prioritized. Mr. Brown suggested that the S&PWG discuss the issue with NYISO staff to analyze resource requirements and the impact on the schedule.

Mr. Kranz reviewed the BIC Action Item List and reported that items 1 and 2 (August 23<sup>rd</sup> BIC Minutes – Action Item Listing) were still open but that the remaining items were completed. He also reported that the Price Issues Task Force was addressing a previous action item concerning BME/SCD price differences. Mr. deMello explained that the purpose of the Price Issues Task Force was to address the causes of BME/SCD price differences and identify solutions that could be implemented quickly. He discussed a few of the causes of the price differences and reported that addressing the issue will most likely involve substantial change to the NY market and require Market Participant consideration through the committee process. Mr. deMello informed the BIC that longer range actions would be discussed at the October 9<sup>th</sup> joint MSWG/S&PWG meeting.

## X Administrative Matters

No administrative matters were discussed at this meeting.

## XI Adjournment

The meeting was adjourned at 12:10 PM.

## Motion #2:

Motion to adjourn the BIC meeting.
(Motion passed unanimously by show of hands)

Respectfully submitted, Peter K. Lemme Recording Secretary, Business Issues Committee

# **Business Issues Committee – Action Item Listing**

Number	Action Items	Assigned to	
	Request NYISO to present Virtual Bidding test results at the October 9, 2001 Joint MS / S&P working group meeting.	C. King	
	Respond to the TIE list regarding the status of AMP analysis issues raised by IPPNY in their letter to the NYISO Market Monitoring Unit.	C. King	
BIC.09.27.01-3	Send schedule for the remaining OSS workshops to the TIE list.	B. Kranz	
	Invite neighboring ISO and NPCC representatives to the S&P working group meeting that will discuss OSS collaboration efforts.	B. Kranz	
BIC.09.27.01-5	Schedule Transaction Prescheduling for MC action in October.	E. Robinson	

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# MOTIONS OF THE MEETING

## Motion #1:

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(Motion passed unanimously by a show of hands)

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

Business Issues Committee - Attendance September 27, 2001 Meeting in Albany - Parties Checked in Attendance

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Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Proxy	Guest
NYS Energy Research & Develop. Auth.	End Use - Gov. Agency/Aggr.						
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	Michael DiBella	Greg Sticka	Kelly Lovvorn	Greg Olsen		
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. End Use - Small Consumers	Jesse Samberg Aaron Breidenbaugh	Gary Caplan	Walter McCarroll			
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 Kearnev	✓ 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	Gamerino Zamini	oom boming		
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			√ Chric Manti-"	
AES NY	Generation Owners	Doug Roll	Charles Sjoberg Bill Henson			✓ Chris Wentlett	
American National Power, Inc. Astoria Energy LLC	Generation Owners Generation Owners	✓ Dorothy Capra William May	Leonard Singer				
Calpine	Generation Owners	John Eff	Thomas Kaslow	✓ Richard Felak			
CH Resources	Generation Owners	Gary Thorn	Gary Miller	Monard Folak			
East Coast Power	Generation Owners	✓ Roy Shanker	Gary Keevill				
Edison Mission Marketing & Trading	Generation Owners	✓ William Roberts	Robert Agnello	Jeffrey Ellis			
Entergy Nuclear Northeast	Generation Owners	Marc Potkin	William Stone			✓ Ronald Mackowiak	✓ Renee Morris
Indeck Energy Services	Generation Owners	Mike Ferguson	John Schrage	✓ Mark Younger			
KeySpan Ravenswood, Inc	Generation Owners		Rich Hohlman	✓ Dick Ackerson	Ron Lukas		
Mirant New York, Inc.	Generation Owners	Vicki Lynch	✓ 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	Mary Lynch	Mark Sudbey	✓ John Reese			
PG&E Generating	Generation Owners	✓ Steve McDonald	Jeff Simmons				
PSEG Energy Resources & Trade	Generation Owners	Raymond DePillo	Michael LaFalce	✓ Bob Logan	Dennis Sobieski		
Sithe Energies, Inc.	Generation Owners	✓ Tim Bush	✓ Garry Brown	David Applebaum			✓ Glenn Haake
TransCanada Power Marketing	Generation Owners	William Taylor	Elaine Beaudry				
NYS Department of Public Service	Non-voting	Joel Brainard	✓ Bill Heinrich	Andrea Mende			
1st Rochdale Cooperative NYC	Other Suppliers	Phyllis Kessler	Gregory Wortham	Andrea Mendez			
Advantage Energy, Inc. Aquila Energy Marketing Corp.	Other Suppliers Other Suppliers	Kyle Storie Jason Stever	Peter Brown	David Wiesner	Pamela VanHorn		
Automated Power Exchange (APX)	Other Suppliers	Gary Zielanski	Mike FitzPatrick	David Wiesilei	i ameia vaimom		
Cinergy Capital and Trading	Other Suppliers	Jan Bagnall	John Ambrose				
Cinergy Services	Other Suppliers	Jan Bagnall	John Ambrose				
Con Edison Energy	Other Suppliers	✓ Stephen Wemple	Ivan Kimball				
Con Edison Solutions	Other Suppliers	✓ Stephen Wemple	Rich Staines				
Conectiv	Other Suppliers	Steve Huntoon	Bill Fehr				
Constellation Power Source	Other Suppliers	✓ Glen McCartney	David Taylor	Harvey Reed			
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				
Energetix, Inc.	Other Suppliers	✓ Barney Farnsworth	Gerald Strassner				
Enron Power Marketing Inc.	Other Suppliers	Howard Fromer					
Exelon Generation - Power Team	Other Suppliers	Jeff Guistwhite	✓ Tim Bush	✓ Regina Carrado	✓ Garry Brown		✓ Linda Clark
FPL Energy	Other Suppliers	✓ Bill Fenerty ✓ Michel Prevoet	Dan Wheeler				
HQ Energy Services KeySpan Energy Services	Other Suppliers	✓ Michel Prevost Ron Lukas	Paul Norris	Peter Chamberlain	John Smith		
	Other Suppliers Other Suppliers	Joseph Limone	Ruben Brown John Carmody	reter Chamberlain	John Smith		
Merchant Energy Group of the Americas  Morgan Stanley Capital Group	Other Suppliers Other Suppliers	Patrick Murray	Karen Kochonies	Levon Kazarian	Doron Ezickson		
New Energy Inc.	Other Suppliers Other Suppliers	Peter Duprey	Stephen Fernands	LEVOII NALAIIAII	DOIGH EZICKSUH		
Niagara Mohawk Energy Marketing	Other Suppliers	Marc Overdyk	✓ Dave French				✓ Don Barker
NU / Select Energy	Other Suppliers	✓ James Scheiderich	Gunnar Jorgensen				
Ontario Power Generation Inc.	Other Suppliers	Tasos Karatsoreos	Brian McConville	Ken Lacivita	Scott McArthur		
PP&L Energy Plus	Other Suppliers		Jim Strobel	Harry Tom	Roland Moor		
PSEG Energy Technologies Inc.	Other Suppliers	Patricia Esposito					
Sempra Energy Trading	Other Suppliers	Bill Winget	Dana Volpe	Russel Like			✓ Bob Chilton
Strategic Energy LLC	Other Suppliers	Michael Swider	Jeffrey Knox	James McCormick	Helen Caldwell		
Strategic Power Management, Inc.	Other Suppliers	Mario DiValentino	Tom Folchi	Dan Duthie			
TransÉnergie U.S. Ltd.	Other Suppliers	Michael Jacobs	José Rotger				
Williams Energy Marketing & Trading Co.	Other Suppliers	Dennis Keener	Robert O'Connell	Kovin Janea			
Long Island Power Authority	Public Power - Authorities	✓ James Parmelee	Alan Elberfeld	Kevin Jones			
New York Power Authority American Wind Energy Association	Public Power - Authorities Public Power - Environmental	Dave Wang David Wooley	<ul><li>✓ Robert Gow</li><li>✓ Larry DeWitt</li></ul>	Bob Deasy			
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	Neil Wrinkle	Ken Moore	Jim Hamilton	Paul Pallas	✓ 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	Ken Moore	✓ 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			✓ Tony Fiore	
Village of Rockville Centre	Public Power - Munis & Co-ops	Paul Pallas	Ken Moore	Jim Hamilton	Jack Brown	✓ Tom Rudebusch	
Village of Westfield	Public Power - Munis & Co-ops	Jim Hamilton	Ken Moore	Neil Wrinkle	Jack Brown	✓ Tom Rudebusch	
Central Hudson Gas & Electric	Transmission Owners	James Valleau	✓ Thomas Canino	Jeff May	Rick Greener		
Consolidated Edison	Transmission Owners Transmission Owners	Michael Forte  ✓ Jerry Ancona	Gary Rozmus Martin Amati	<ul> <li>✓ Gerry Dunbar</li> <li>Scott Leuthauser</li> </ul>			
Niagara Mohawk Power Company NY State Electric Gas (NYSEG)	Transmission Owners Transmission Owners	✓ Rick Mancini	John Kobuskie	✓ Ray Kinney	✓ Gary Freeland	David Kimiecik(BIC)	
Orange & Rockland, Inc.	Transmission Owners	Gary Rozmus	JOHN NODUSKIE	ray rainey	Gary Freedilla	David Killietik(DIC)	
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### New York Independent System Operator - Committee Membership

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Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Proxy	Guest
Rochester Gas & Electric American Electric Power (AEP) New Member	Transmission Owners Non-voting Non-voting	✓ Laurie King-Pirchner Glenn Riepl	Gerald Walter James Shrewsbury				
New Member	Non-voting						

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

Ira Freilicher	Hunton & Williams
Gina Fedele	Hunton & Williams
✓ Chuck King	NYISO
✓ Jonathan Mayo	NYISO
✓ Leigh Bullock	NYISO
✓ Kristen Kranz	NYISO
✓ Elaine Robinson	NYISO
✓ John Cutting	NYISO
✓ Ray Stalter	NYISO
✓ Frank Ciani	NYISO
✓ Brad Kranz	NYISO
✓ Andrew Hartshorn	NYISO/LECG
✓ Peter Lemme	NYISO
✓ Glenn Kaatz	NYISO
✓ Bob DeMello	NYISO
✓ John Charlton	NYISO

- **Key:**✓ = In attendance
  ✓ = In attendance by teleconferencing