

# NYISO Management Committee Meeting

September 1, 2004

NYS Nurses Association  
Albany, NY  
10:00 a.m. – 2:45 p.m.

## **Draft MINUTES OF THE MEETING**

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

Joe Oates of Consolidated Edison, Chairman, called the meeting to order at 10:08 AM and welcomed the members of the Management Committee ("MC"). The meeting objectives are to approve the minutes of the August 3 MC meeting, to act on the Budget Motion and to act on the Virtual Regional Dispatch ("VRD") Pilot Tariff Proposal. Mr. Oates stated that the Project Prioritization Team met on Aug. 12<sup>th</sup> and the materials from the meeting were posted. The next PPT meeting is Sept. 9, at which time the team will discuss 2005 projects. The October 14<sup>th</sup> MC meeting has been moved from NYC to Albany.

### **2. Approval of the Minutes**

**Several corrections to the August Minutes were supplied by market participants and incorporated prior to the vote.**

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

Motion to approve the Minutes of the August 3, 2004 teleconference meeting with minor editorial corrections.

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

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

#### *Market Performance Highlights for May 2004*

William Museler noted that average costs for energy have declined due to low loads and mild weather. Natural gas prices have declined moderately, but are up relative to last year. Price reservations and corrections have remained low. As of Aug. 12, 2004 0.39% of the intervals have been corrected, and 3.47% of the hours have been reserved.

Mark Younger of Slater Consulting asked in reference to slide 4-K on - why BME appeared to be over-committing generation in zone J (NYC) thus having an affect of

higher prices in the BME than in real-time in recent months. The NYISO will look into Mr. Younger's comments and report findings in the next Scheduling & Pricing meeting.

#### *NYISO Facilities Update*

The NYISO is still considering several scenarios regarding facilities. Mr. Museler commented that few existing facilities meet the criteria needed by the NYISO for space, separation and security. No decisions will be made regarding the new facilities without MC and Board input.

Jim Scheiderich of Select Energy commented that consideration should be given to the degree of threat levels being considered for the facilities, as the economics for each scenario are related directly to this assessment. Mr. Museler commented that long term operation is needed from either facility should a catastrophic event occur, and hardening of the facility can be discussed further. The NYISO will take Mr. Scheiderich's comments into consideration as the team moves forward.

#### *NYISO Board of Directors Term/Age Limits, Self/Peer Assessments, and Board Compensation (CONFIDENTIAL DISCUSSION)*

Mr. Museler reported on Board proposals regarding Term/Age Limits, Self/Peer Assessments and compensation. With respect to the self/peer assessment, Market Participant input is welcome and will be presented to the board for review. The Board's decision on Board compensation is subject to the opportunity for Market Participants to comment. Comments are requested by September 10, 2004. Board retainer costs from other ISO's/RTO's are considered confidential, and, thus, specifics cannot be provided. Requests for information on proposed changes, or comments on the presented materials should be directed to Brad Kranz ([bkranz@nyiso.com](mailto:bkranz@nyiso.com), or 518.356.6128)

#### **4. SMD Readiness Report**

Mr. Museler asked that all issues arising from the completion of Market Trial #5 be presented as soon as possible to NYISO Market Services for proper and timely resolution.

Garry Brown of the NYISO presented information on the current state of readiness for implementation of SMD2, as well as metrics being used to determine our state of readiness. Mr. Brown reported on the testing, training, departmental procedures and detailed cut-over planning. Market Trial #6 will consist of a market simulation that will use inputs from a historical day, and will be a full bid-to-bill simulation except that the bids will be entered by the NYISO using bids from the selected historical day. "Market Readiness" depends on having a completed fall-back plan, having NYISO internal departmental sign-off, seeing satisfaction with SMD2 in the Marketplace, review by LECG and Dr. Patton of our readiness, and also consultation with MP's prior to a 14 day "go live" notification to FERC.

Jim Scheiderich, Select Energy asked if the NYISO will use a day with little to no operational events, or will the NYISO use a day with significant when there were operational events? Richard Dewey, NYISO stated that a day will be chosen that will be a representative day with commitment and load patterns and will include some operational events. Mr. Dewey stated that the NYISO was working to post the data but an exact date when it would be available was not yet known. In the mean time, the NYISO would provide the weighting factors in an Excel file, to assist those Market Participants who wanted to calculate the generator weighted prices now using the load weighted market trial prices that are already posted.

On the subject of the upcoming TCC auction, Mr. Scheiderich commented that Generator weighted zonal prices were promised in order for MP's to make informed decisions for the next upcoming TCC auction. Mr. Dewey stated that the data could be posted next week, or the NYISO assist in calculations if a .csv file can be provided in order to simplify this task. Mr. Younger commented that this data must be shared before the upcoming auction.

Mr. Scheiderich continued, commenting that marginal losses will now be based on a network model, and that Market Participants should look at the simulation output on Day Ahead and Real Time marginal losses. Mr. Scheiderich commented that there has not been much feedback in the area of settlements, and he feels that perhaps the BAWG should meet to discuss the settlement results outside of normal business. Mr. Brown stated that any meetings that are necessary to help Market Participants with SMD2 preparation can be arranged.

Wes Yeomans, National Grid emphasized that BAWG members are not necessarily the leading SMD experts, and it would be helpful if NYISO SMD billing experts were present to help with this type of review. Mr. Yeomans also commented that running a 4 month true-up of an SMD bill would be helpful. Mr. Brown asked that information on which issues the NYISO can assist with be provided to the BAWG.

Alan Foster, Dynegy asked for clarification on the dates for the remaining Market Trials, and go-live dates. Mr. Dewey commented that dates have not been established. Mr. Museler commented that the most likely "ready to go live date" would be somewhere around the end of September, and regulatory requirements may push the go-live date back some.

Mayer Sasson, Consolidated Edison asked if the bid curve difference between legacy and SMD was resolved in order to proceed with the Market Trial #6 market simulation test. Mr. Dewey commented that the outcome will be different due to the differences between the legacy systems and SMD2 bid curves and the NYISO will need to communicate and explained the results with the differences noted above.

## **5. Billing Issues Update**

Ken Davis, Hunton and Williams representing NYISO presented an update on billing issues. Mr. Davis reported that a revision of the Billing and Accounting manual has been released, and it will be further discussed at the next BAWG meeting. LECG is currently reviewing the SMD algorithms that will be included as revisions to the Billing and Accounting manual to be issued prior to the SMD go-live date. The billing issues list that was last updated in June was updated and posted yesterday. New entries added to the list since the June posting are in red, and previously existing issues are in black.

Mr. Sasson questioned whether the improper SRE cost allocation reflected system limitation; Mr. Davis stated he did not know but will look into it. He added that he did not have a cost impact estimate. Mr. Museler commented that the problem is something other than changing the SRE assignment later in the day. Tom Rudebusch for Jamestown BPU asked if these local reliability cost issue would affect exposure that will be felt downstate. Mr. Davis will look into this question too.

Glenn Haake representing IPPNY asked about Black start fees, seeking clarification on how the numbers and dates were produced. Mr. Davis stated that these figures are representative of this issue, and subject to change. In response to another questions from Mr. Haake, Mr. Davis acknowledged that the under-generation penalty dollar figure shown did not contain prior period data.

Michael Darroch, Jamestown BPU, commented that SMD billing needs to be considered a "Day One" requirement, and resources should be assigned to ensure accurate billing from the start. Any changes to the billing system need to be implemented when the billing system is ready for them. Mr. Museler commented that Mr. Darroch's concerns are being addressed. Billing changes will be tested and functional before being deployed.

Mr. Scheiderich commented that some of the past month's invoices should be closed out and made final in order to move forward. Organizations cannot handle analyzing current month invoices, as well as multiple rebill months.

Joe Oates stated that he will take Mr. Scheiderich's suggestions as an action item, to be discussed with him, Ken Davis, and Kevin Kipers regarding a possible course of action for considering such an approach.

In the response to a question from Mr. Haake relating to, "DAM Contract Balancing..." Mr. Davis reported that he did not have cost impacts and that staff will look at that point.

Mr. Davis asked that any questions regarding the billing issues list be directed to the BAWG or to him directly ([kdavis@hunton.com](mailto:kdavis@hunton.com), or 518.356.8824).

## **6. Update on Seams and Market Improvement Projects**

### *Recent Initiatives*

#### **Regional Resource Adequacy ("RAM")**

- The NYISO and stakeholders will return its focus to the hybrid proposal upon issuance of the recommended demand curve updates.
- **Elimination of Rate Pancaking** – NEPOOL tariff committee has approved the Elimination of Rate Pancaking effective Jan 1, 2005.
- **VRD** – Proposal is on today's agenda.
- **Cross-Border Controllable Line Scheduling** – NYISO and ISO-NE are discussing the application and development software.
- **E-Tagging** - The next Scheduling and Pricing Working Group meeting will discuss E-Tagging.
- **Facilitated Checkout** – ISO-NE has implemented an operator checkout display. The NYISO tools have been developed, but have not yet been deployed

#### **7. Presentation on Budget Motion**

Mario DiValentino, Strategic Power Management, stated that with this proposal, any under-run money from 2004 can be allocated to pay down higher cost debt.

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

Having received a recommendation on the benefits of using 2004 under-runs to pay down NYISO debt; the Management Committee hereby amends part f. of Motion # 2, approved November 3, 2003, to read:

If a budget under-run occurs after taking into account blackout costs, the under-run should be reserved for paying down the principal of the NYISO's debt. This policy should apply for the five-year duration of the 2004 financing.

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

## 8. VRD Pilot Tariff Proposal

Robert Thompson, NYISO, presented this proposal, which included alternatives to the proposed VRD, objectives and an overview of the VRD pilot and finally a proposed timeline of the pilot. Any alternatives that are studied will be brought to the BIC and MC for review.

### **Motion #3:**

The Management Committee approves the proposed Virtual Regional Dispatch Pilot Program, as presented to the Business Issues Committee (BIC) on August 18, 2004 and the MC on September 1, 2004, and recommends to the Board of Directors that the NYISO should be authorized to submit the applicable Tariff modifications to the FERC, pursuant to Section 205 of the Federal Power Act.

As condition of this approval, NYISO staff, in conjunction with ISO-NE staff and Market Participants, will engage in development discussions to bring Market Participant based solution(s) to this issue to the forefront as primary potential solution path(s), for discussion and action by BIC (and the MC as appropriate) at a future date.

As further condition of this approval, NYISO staff and all parties acknowledge that the votes registered on this motion are not deemed to be support for, or lack thereof, for any further development of any intra -hour transaction solution.

***(Motion passed by show of hands with abstentions)***

## 9. New Business

Brad Kranz, NYISO, noted there is a survey on the NYISO Insider available at the sign-in table that can be filled in after the meeting adjourns, and turned to the NYISO staff present at the meeting today..

## 10. Adjourn

Meeting adjourned at approximately 12:44 PM.

## **NYISO Management Committee Meeting**

*September 1, 2004*

*Albany, NY*

### **MOTIONS FROM THE MEETING**

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

Motion to approve the Minutes from the August 3, 2004 MC meeting.

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

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

Having received a recommendation on the benefits of using 2004 under runs to pay down NYISO debt; the Management Committee hereby amends part f. of Motion # 2, approved November 3, 2003, to read (deleted words are ~~stricken~~, added words are underlined):

If a budget under run occurs after taking into account blackout costs, the under run should be reserved for paying down the principal of the ~~2004~~ NYISO's debt. This policy should apply for the five-year duration of the 2004 financing.

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

#### **Motion #3:**

The Management Committee (MC) approves the proposed Virtual Regional Dispatch (VRD) Pilot Program, as presented to the Business Issues Committee (BIC) on August 18, 2004 and the MC on September 1, 2004, and recommends to the Board of Directors that the NYISO should be authorized to submit the applicable Tariff modifications to the FERC, pursuant to Section 205 of the Federal Power Act.

As condition of this approval, NYISO staff, in conjunction with ISO-NE staff and Market Participants, will engage in development discussions to bring Market Participant based solution(s) to this issue to the forefront as primary potential solution path(s), for discussion and action by BIC (and the MC as appropriate) at a future date.

As further condition of this approval, NYISO staff and all parties acknowledge that the votes registered on this motion are not deemed to be support for, or lack thereof, for any further development of any intra-hour transaction solution.

***(Motion passed by majority show of hands with abstentions)***

# New York Independent System Operator - Committee Membership

## Management Committee - Attendance September 1, 2004 - 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	David Coup	Erin Hogan	✓ Chris Hall	John Spath			
The City of New York	End Use - Gov. Agency/Aggr.	Michael Delaney	Gil Quiniones	Scott Butler	Jonathan Wallach				
Alcoa/Reynolds Metals Company	End Use - Large Consumer	✓ Robert Loughney	Michael Mager						
ATCO Management Co.	End Use - Large Consumer	Peter DiCapua	Scott Petersen	George Diamantopoulos					
IBM Corporation	End Use - Large Consumer	✓ Robert Loughney	Michael Mager						
Occidental Chemical Corp.	End Use - Large Consumer	✓ Robert Loughney	Michael Mager						
Praxair Inc.	End Use - Large Consumer	✓ Robert Loughney	Michael Mager						
Xerox Corporation	End Use - Large Consumer	✓ Robert Loughney	Michael Mager						
Metropolitan Transportation Authority	End Use - Large Cons. Gov.	Jesse Samberg	Gary Caplan	Walter McCarroll					
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				
CNYC Inc. (Council of NY Coop & Condo)	End Use - Small Consumer	Herb Rose	MaryAnn Rothman	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 Energy Buyers Forum	End Use - Small Consumer	Herb Rose	David Bomke	✓ Tariq Niazi					
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			
Refined Sugars, Inc.	End Use - Small Consumer	John Gebhard	Quintin George	Catherine Luthin	✓ John Dowling	Jennifer Kearney			
NY State Consumer Protection Board	End Use - State Agency	✓ Tariq Niazi	Doug Elfner						
AES NY	Generation Owners	✓ Christopher Wentlent	Rick Santorosi	Charles Sjoberg					
American National Power, Inc.	Generation Owners	Dorothy Capra	Bill Henson						
Astoria Energy LLC	Generation Owners	Greg Banhazl	Leonard Singer						
Calpine	Generation Owners	Thomas Kaslow	Tracee Bersani	Richard Felak					
East Coast Power Linden Holding LLC	Generation Owners	Thomas Hoatson	Robert Licato	Kathy Benini					
Edison Mission Marketing & Trading	Generation Owners	✓ William Roberts	Robert Agnello	Jeffrey Ellis	Peter Brown	Rich Mooney	✓ Pam Van Horn		
Entergy Nuclear Northeast	Generation Owners	Marc Potkin	Angelo Vai	✓ Ron Mackowiak					
Indeck Energy Services	Generation Owners	Mike Ferguson	John Schrage	✓ Mark Younger					
KeySpan Ravenswood, LLC	Generation Owners	Jim Brennan	Rich Hohlman	Joe Vignola	Jim D'Andrea	Madison Milhous	Rich Rapp		
Mirant New York, Inc.	Generation Owners	Susann Felton	✓ Doreen Saia	Vicki Lynch					
Orion Power New York	Generation Owners	✓ Liam Baker	Bill Berg						
Selkirk Cogen Partners, L.P.	Generation Owners	Tim Biittig	Steve Kampilla						
Sithe Energies, Inc.	Generation Owners	Linda Clarke	✓ David Applebaum	Regina Carrado					
TransCanada Power Marketing	Generation Owners	William Taylor	Elaine Beaudry						
1st Rochdale Cooperative NYC	Other Suppliers	Gregory Wortham							
Advantage Energy, Inc.	Other Suppliers	Kyle Storie							
Agway Energy Services, Inc.	Other Suppliers	Russell Miller	✓ Jim Scheiderich						
Amerada Hess Corporation	Other Suppliers	Hemant Jain	Kevin Laguardia	Bias Hernandez	George Braulke				
Cinergy Capital and Trading	Other Suppliers	Jason Barker	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 New Energy Inc.	Other Suppliers	Peter Duprey	Carrie CullenHitt	Sara O'Neill	Susan Chamberlin				
Constellation Power Source	Other Suppliers	Daniel Allegretti	✓ Glen McCartney	Mary Lynch	Carrie CullenHitt				
Coral Power, LLC	Other Suppliers	Matt Picardi	Marc Overdyk	Dave French					
DC Energy	Other Suppliers	Bruce Bleiweis	Dean Wilde	Andrew Stevens					
Dominion Energy Marketing, Inc.	Other Suppliers	Wes Walker	Lou Oberski	Michael Bekker					
Duke Energy North America, LLC	Other Suppliers	Stacy Dimou	Del Disher						
Dynergy	Other Suppliers	✓ Alan Foster	Jason Cox	Kevin White	Tom May	Steve Vavrik			
ECONergy	Other Suppliers	Saul Horowitz	Tom Halleran						
El Paso Merchant Energy	Other Suppliers	Jeff Moore	Asavari Alvarez						
Exelon Generation - Power Team	Other Suppliers	Linda Clarke	David Applebaum	Regina Carrado					
Fortistar/Lockport Energy Associates, L.P.	Other Suppliers	Roger Kelley	Tom Gesicki	✓ Mark Younger	✓ Glenn Haake				
FPL Energy	Other Suppliers	Fernando DaSilva	Shalesh Ganjoo						
HQ Energy Services	Other Suppliers	Christian Desilets	Michel Prevost	✓ Paul Norris	Benoit Goyette				
KeySpan Energy Services	Other Suppliers	Terrence Kain	Jim D'Andrea	Edwin Kichline	James Cross	John Vaughn			
Morgan Stanley Capital Group	Other Suppliers	Patrick Murray	Karen Kochonies	Levon Kazarian	Doron Ezickson	Nikolai Markarian			
NRG Power Marketing	Other Suppliers	Tim Foxen	Katie Sullivan	Peter Chamberlain					
NU / Select Energy	Other Suppliers	✓ Jim Scheiderich	Gunnar Jorgensen						
Ontario Power Generation Inc.	Other Suppliers	Barry Green	Tasos Karatsoreros	Ken Lacivita	Scott McArthur	Glenn Haake		✓ David Barr	
PP&L Energy Plus	Other Suppliers	✓ Tom Hyzinski	John Brodbeck	✓ Joseph Langan	Sharon Weber				

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Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Proxy	Guest
PSEG Energy Resources & Trade	Other Suppliers	Howard Fromer	Michael LaFalce						
Reliant Energy Services, Inc.	Other Suppliers	✓ Liam Baker	Bill Berg						
Sempra Energy Trading	Other Suppliers	Dan Staines	Maria Agovino	Scott Englander	Robert Fagan				
SESCO Enterprises, LLC	Other Suppliers	Mike Schubiger	Jim Thoresen						
Strategic Energy LLC	Other Suppliers	Francis Pullaro	Michael Swider	Jeffrey Knox	James McCormick	Matt Morais			
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	David Singer	Dennis Keener	Robert O'Connell					
Long Island Power Authority	Public Power - Authorities	Jim Parmelee	✓ Kevin Jones	Jim Wittine					
New York Power Authority	Public Power - Authorities	Robert Hiney	✓ William Palazzo	Kim Byham					
American Wind Energy Association	Public Power - Environmental	Valerie Strauss	✓ Larry DeWitt	Douglas Ward	Mike Jacobs				
Environmental Advocates	Public Power - Environmental	Anne Reynolds	✓ Larry DeWitt						
Natl 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	✓ Tim Bush	Jim Hamilton	Matthew Benesh	Ken Moore	Jack Brown			
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	✓ Tim Bush	✓ Paul Pallas					
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						
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 Westfield	Public Power - Munis & Co-ops	Jim Hamilton	✓ Tim Bush	✓ Paul Pallas	Matthew Benesh	Jack Brown	Ken Moore		
Central Hudson Gas & Electric	Transmission Owners	Charles Freni	✓ John Watzka						
Consolidated Edison	Transmission Owners	✓ Joe Oates	Terry Agriss	Neil Butterklee	✓ Rebecca Craft				✓ P Gioia, M Sasson
National Grid	Transmission Owners	✓ Jerry Ancona	✓ Wes Yeomans	Peter Flynn	Herb Schrayshuen	Bart Franey	Masheed Rosenqvist		
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			
Boundless Energy, L.L.C	Non-voting	John Tompkins	Brian Chernack	Chuck Gilbert					
Caithness Energy, L.L.C	Non-voting	Ross Ain	Jack Feinstein						
Cianbro Corporation	Non-voting	Chuck Hewett	John Tompkins						
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							
Hudson River Energy Group	Non-voting	Frank Radigan	Richard Canfield						
Hydro-Quebec TransEnergie	Non-voting	Glenn Sylvain	Mario Boucher						
NYS Department of Public Service	Non-voting	Penny Rubin	Rajendra Addepalli						✓ B Heinrich
The Structure Group	Non-voting	Bob Furry	Alex Lago						
Tom Halleran	Non-voting	Tom Halleran							
William P. Short	Non-voting	William Short	Marc Schaefer	Joe DeVito	John Brodbeck	Ron Matlock	Paul Savage	Roberto Denis	
zNew Member	Non-voting	None Assigned							

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

✓ Ira Freilicher	Hunton & Williams
Kathy Robb	Hunton & Williams
✓ Ken Davis	Hunton & Williams
✓ Rob Fernandez	NYISO
✓ Bill Museler	NYISO
✓ Belinda Thornton	NYISO
✓ Mollie Lampi	NYISO
✓ Rick Brophy	NYISO
✓ Mike Calimano	NYISO
✓ Elaine Robinson	NYISO
✓ Brad Kranz	NYISO
✓ Leigh Bullock	NYISO
✓ Ray Stalter	NYISO
✓ Debbie Eckels	NYISO
✓ Mike Jaeger	NYISO
✓ Rich Dewey	NYISO
✓ Sandy Sanford	NYISO
✓ John Cutting	NYISO

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Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Proxy	Guest
✓ Mary McGarvey	NYISO								
✓ Ernie Cardone	NYISO								
✓ Vinny Budd	NYISO								
✓ Bob Thompson	NYISO								
Andrew Hartshorn	NYISO/LECG								

**Key:**

✓ = In attendance