

July 9, 2003

## NYISO Business Issues Committee Meeting Minutes

NYS Nurses' Association, 11 Cornell Road, Latham, NY 12110

### I. Welcome and Meeting Objectives

Larry DeWitt, Chair of the Business Issues Committee (BIC), called the meeting to order at 9:29 A.M. and welcomed the members of the BIC. The attendees introduced themselves and named the companies that they represent.

### II. Approval of Minutes

A draft of the June 10, 2003 BIC meeting minutes were distributed to the BIC members prior to the meeting. Robert Gow, of NYPA, moved the motion to approve the minutes. Jeffrey Gerber, of NYSERDA, seconded the motion. By a show of hands, the Committee members approved the June 10, 2003 BIC meeting minutes and its amendments.

#### Motion #1:

Motion to approve the minutes from the June 10, 2003 Business Issues Committee Meeting.

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

### III. Chair's Report

Mr. DeWitt noted changes in the order of several agenda items to be addressed.

### IV. Price Responsive Load Working Group Report

Robert Loughney, Chair of the PRL WG, and David Lawrence, of the NYISO, presented a status of the NYISO's Demand Response Programs. Mr. Lawrence noted that the PRL WG has been putting together the details of how the Real-Time Demand Response Program will operate under SMD. He also outlined changes to the DADRP. Howard Fromer, of PSEG, asked if the NYISO knows if all the ICAP SCRs would be able to run in an emergency. Mr. Lawrence responded that the application form for SCRs asks organizations to abide by all applicable environmental regulations; however, there is no requirement for organizations to provide the NYISO with their DEC registration certificates.

Mr. Loughney noted that the PRL WG is striving to complete the project on a conceptual level and once the project is worked through, it will be presented once again to the BIC members. Tariq Niazi, of the NYS Consumer Protection Board, asked about the current level of participation in the DADRP. Mr. Lawrence replied that the level is at 15-20 MWs.

Mr. Kinney noted that restrictions might be in place at the NPCC level, which will limit the

amount in the market of non-synchs. Mr. Lawrence responded that the NYISO is working with the NPCC and the NYSRC to revise the definitions.

#### **V. Market Operations Report**

Charles King, of the NYISO, reported on Market Performance highlights and a look at reliability indicators. Mr. Kinney asked if any progress has been made looking at the costs of high control performance. Mr. King agreed to check on the status as an action item. Mr. King also noted that for June 2003, the NYISO administered total costs rose due to the hot weather. Also, regulation and reserve prices have dropped since the market is operating at higher levels and with more commitments.

#### **VI. Regional Market Enhancements**

Mr. King updated the Business Issues Committee on the Northeast Seams Issues.

Stuart Nachmias, of Con Ed, asked if a report will be done on how often scarcity pricing is implemented in New York and Mr. King replied that the NYISO indeed plans to construct this type of report. Mr. King added that whenever scarcity pricing does occur, it will be announced on the "pricing page" of the Website.

Larry DeWitt asked about the participation levels for Virtual Regional Dispatch. Mr. King responded that the meetings with Market Participants have had strong, lively participation and that the NYISO is still fleshing out a straw proposal for the next meeting on July 31<sup>st</sup>.

Tariq Niazi asked if Mr. King could summarize the outcome of the second meeting that occurred in Springfield. Mr. King said that the NYISO presented information on the value and the appropriateness of Virtual Regional Dispatch. He noted that some were confused on the intent since the NYISO seemed to focus too heavily on the Independent Market Advisor's view. He added that Morgan Stanley's paper shows a broader view of what the NYISO is trying to accomplish.

Mark Younger pointed out that if we do Virtual Regional Dispatch, we've violated basic requirements. Therefore, we need to remove limitations, not implement Virtual Regional Dispatch, or come up with perfect price curves. Mr. King agreed that it's an issue that needs to be addressed and stated that Bob Thompson, of the NYISO, is looking into it. Any inquiries regarding this matter can be e-mailed to Mr. Thompson at: [rthompson@nyiso.com](mailto:rthompson@nyiso.com).

Howard Fromer stated that in looking at the history of seams issues, it's a desire of Market Participants to schedule transactions closer to Real-Time Operation. He added that it would be useful to mark this issue as outstanding while under the current software. Mr. King responded that if it's still currently an issue, the NYISO will place it on the Open Issues List.

#### **VII. Billing and Accounting Working Group (BAWG) Report**

Kevin Kipers, BAWG Chair, presented a status report on the 12-month final bill process. He noted that three deliverables currently remain open.

Timothy Bush, of Navigant Consulting for MEUA, expressed his concern with the process and noted that he doubts the final bill process will happen in a year. Mr. Kipers replied that the WG has been concentrating on what's been filed with FERC. Mr. Bush added that "as accurate as possible" doesn't meet his standards and that the bills must be implemented correctly.

Mr. Nachmias asked if the 8/12 date for the Web Based Reconciliation is realistic. Mr. Kipers responded that it's uncertain if that date can be met and BAWG is concerned, but there has been good progress.

Wesley Yeomans, of National Grid, pointed out that he sees two core problems in eliminating the 24-month true-up: (1) the NYISO doesn't have a centralized data exchange to coordinate communications, which makes the current system cumbersome to use; and (2) the Tariff changes occur faster than the NYISO's IT group can get them reflected in the software. Andrew Ragogna, of the NYISO, responded that the NYISO recently slipped the project by a month and has performed additional testing. He also noted that LSEs need time to validate their results. Jim McGinnis, of the NYISO, presented the Committee Members with a plan that the NYISO envisions implementing: (1) expanding the testing period to five days; (2) expanding the documentation of the process in a User's Guide; (3) sending notifications from NYISO Customer Relations; (4) holding conference calls on a daily basis; and (5) presenting a training session in August for those who will interact with the Web-based application. Mr. Ragogna added that it's necessary to get the billing cycle shortened. He also agreed that the bills need to be accurate.

Mr. Nachmias asked if any opportunity exists for the existing system and the new system to run in parallel or if any flexibility exists to make the first couple of bills 13 months. Mr. Ragogna replied that some flexibility exists.

Mr. Bush noted that since Market Participants, as a whole, haven't had the opportunity to test Web Based Reconciliation yet, it would be best to delay implementing it until January of 2004.

Ray Kinney, of NYSEG, asked if existing Tariff requirements would be kept in place if Web Based Reconciliation were delayed. Jane Lathrop, of the NYISO, noted that the NYISO can ask FERC for expedited treatment and that a vote at the Management Committee would be needed to make a filing to delay the October 2003 implementation date.

## **VIII. SMD 2 Project Update**

Peter Lemme, of the NYISO, provided the SMD2 User Update. He addressed issues such as documentation, the SMD2 Website, training opportunities, customer support, and Market Trials. Mr. Kinney encouraged the NYISO to bring some of the SMD2 information from the MSWG meetings to the BIC and the MC. Ms. Robinson noted that as documents are posted, Market Participants can contact the NYISO to get additional information.

Mr. Fromer asked if a Tariff that's been reviewed by the Working Groups will be brought to the BIC and the MC. Bradley Kranz, of the NYISO, stated that the Committees will see draft Tariff language and the MC will ultimately have the opportunity to vote on the official Tariff language. Mr. Fromer also asked if the NYISO is keeping track of unresolved issues. Mr. Lemme noted that the NYISO is tracking these issues and that progress on the open issues is regularly reported at the MSWG meetings.

## **IX. TCC Markets Report**

Gregory Williams, of the NYISO, presented on the Autumn 2003 Initial TCC Auction Plan. The plan includes a preliminary schedule outlining upcoming activities and the week they are proposed to be implemented.

Mr. Fromer asked if the NYISO has looked at how TCC Auctions have functioned in ISO-NE and PJM and if so, are they going through the same number of rounds that the NYISO has planned. Mr. Williams responded that they aren't since each has different needs. Mr. Fromer said he is concerned that as we move forward it will be more important that long-term TCCs become available in the market and it becomes a cumbersome problem to offer a greater array of products. He also noted that what the NYISO is proposing makes sense but he is concerned with what will happen in 2004.

## **X. Working Group Updates**

- A. Electric System Planning WG** (Chair – Bill Palazzo) – The joint OC/BIC WG Chair provided a full presentation on the status of its progress to date – specifically Mr. Palazzo summarized the group's discussion of congestion and the planning process. He also noted what's included on the ESPWG's next meeting (7/18/03) agenda and he reviewed a list of issues for future consideration. Mr. Yeomans asked if voting on ESPWG-related items will occur in only one of the Committees – BIC or OC? Mr. DeWitt replied that only the OC will be voting on proposals from the WG.
- B. Scheduling and Pricing Working Group** (Chair - Ray Kinney) – S&P WG is in the process of scheduling a meeting for July 31<sup>st</sup>, but it may be rescheduled. The WG received an update on Scarcity Pricing and has begun discussion on Operating Reserves.
- C. ICAP WG** (Chair – Howard Fromer) – The ICAP WG Meeting scheduled for 7/7 was rescheduled to 7/25 since some agenda items weren't fully developed. Among the topics to be discussed at the next meeting are: manual revisions and a presentation from LIPA on UDR-related issues. Mr. DeWitt noted that the regional RAM group's activities are important and need to be communicated to the BIC. Mr. Fromer noted that Mr. Charlton is the main contact on this issue but there's also been discussion about how to provide greater communication on this. Mr. Charlton added that anyone who wants to be on the RAM mailing list can sign up for updates and that a conference on Demand Response has been planned.

**D. Market Structures WG (Chair – Jim Scheiderich) – No report was provided.**

**XI. Regulation Market Modifications Presentation**

Gregory Campoli, of the NYISO, presented an analysis of the proposed action plan for NYCA variable regulation requirements.

Mr. Younger inquired as to when Mr. Campoli plans to return to the BIC to receive their approval before implementation. Gerald Deaver, of the NYISO, replied this doesn't need Committee approval because it is not a Tariff modification, but an administrative procedure. Doreen Saia, of Mirant, said these modifications could have serious business implications since it's a change in business practices.

William Heinrich, of the NYS DPS, noted that each year, the NYISO has a CPS1 and CPS2 performance goal, which is set very high. Mr. Heinrich asked if the market is paying too much for that high performance and if these proposed modifications are addressing that concern.

Christopher Wentlent, of AES, asked why the change to regulation was being brought about in the middle of a peak period. Mr. Campoli responded that the numbers probably won't change a great deal if the modifications are implemented at another time. Ms. Saia agreed with Mr. Wentlent's concern and added that the NYISO had planned to inform the Market Participants of the numbers a few weeks before August 1st. She asked why the information hasn't been provided by now. Mr. Campoli noted that the August 1<sup>st</sup> date is not definite and that they may roll the modifications into mid-August to allow ample time to be given to Market Participants.

Mr. Wentlent asked if a unit were off base-point would the NYISO automatically default to the Market Monitoring Unit or would the issue be sent to Operations instead. Mr. King noted that the NYISO examines persistent, not momentary problems. Mr. Fromer asked how other Control Areas go about acquiring regulation and Mr. King took it on as an Action Item to bring that type of analysis back to the Market Participants.

**XII. Operations Report – June 26 & 27, 2003**

Gregory Campoli, of the NYISO, presented on the June 26 and 27, 2003 Operations Report.

Mr. Fromer asked if there was any way to put the information from the "NYISO Loads" chart (first chart in the presentation) into context since it's unclear as to whether it indicates good performance or something with which to be concerned. Mr. Canino added that without having a weather forecast available it is difficult to come to any conclusions on the information presented. Mr. King agreed to take on an Action Item to provide further detail in the Operations Report regarding the NYISO Load (actual vs. forecasted) Chart by including a weather forecast so that performance can be evaluated.

Mr. DeWitt asked if any observation was made on pricing behavior during these peak days. Mr.

King replied that no, but the NYISO will strive to look at this for future instances.

**XIII. New Business**

No new business was discussed.

**XIV. Administrative Matters**

The Action Items List is included as part of the BIC meeting material. BIC members were reminded to contact Ray Stalter, of the NYISO, with any Action Item-related inquiries.

**XV. Adjournment**

Mr. Dewitt adjourned the meeting at approximately 12:40 P.M.

Respectfully submitted,  
Valerie L. Ross  
Recording Secretary, Business Issues Committee

## Business Issues Committee – Action Item Listing

<b>Number</b>	<b>Action Items</b>	<b>Assigned to</b>
BIC 07.09.03-1	Analyze how other Control Areas acquire regulation.	C. King
BIC 07.09.03-2	Provide further detail in the Operations Report regarding the NYISO Load (actual vs. forecasted) Chart. Include a weather forecast so that performance can be evaluated.	C. King / G. Campoli

**NYISO Business Issues Committee Meeting**

July 9, 2003  
NYS Nurses Association, Latham, NY

**SUMMARY OF MOTIONS**

**Motion #1:**

Motion to approve the minutes from the June 10, 2003 Business Issues Committee Meeting.  
***(Motion passed unanimously by a show of hands)***



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

**Business Issues Committee - Attendance July 9, 2003 - 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.	✓ Jeffrey Gerber	Paul DeCotis	Chris Hall	Erin Hogan	John Spath			
The City of New York	End Use - Gov. Agency/Aggr.	Michael Delaney	Richard Miller	Scott Butler	Jonathan Wallach				
Alcoa/Reynolds Metals Company	End Use - Large Consumer	Robert Loughney	Michael Mager	Craig Carriero					
ATCO Management Co.	End Use - Large Consumer	Peter DiCapua	Scott Petersen	George Diamantopoulos					
IBM Corporation	End Use - Large Consumer	Robert Loughney	Michael Mager	Craig Carriero					
Occidental Chemical Corp.	End Use - Large Consumer	Robert Loughney	Michael Mager	Craig Carriero					
Praxair Inc.	End Use - Large Consumer	Christian Lenci	Robert Loughney	Michael Mager	Craig Carriero				
Xerox Corporation	End Use - Large Consumer	Robert Loughney	Michael Mager	Craig Carriero					
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	Marjorie Ochrach	Ted Lee	Judith Mondre	✓ Tariq Niazi			
Citizens Advisory Panel	End Use - Small Consumer	Gordian Raacke	✓ Larry DeWitt						
CNYC Inc. (Council of NY Coop & Condo)	End Use - Small Consumer	Herb Rose	MaryAnn Rothman	Marjorie Ochrach	Ted Lee	Judith Mondre	✓ 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	Ted Lee	Ted Lee	✓ David Bomke				
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	John Dowling	Jennifer Kearney	✓ Tariq Niazi	Doug Elfner			
NY State Consumer Protection Board	End Use - State Agency	✓ Tariq Niazi	Quintin George	Catherine Luthin	✓ John Dowling	Jennifer Kearney			
AES NY	Generation Owners	Doug Roll	Doug Elfner	Charles Sjoberg	✓ Christopher Wentlent				
American National Power, Inc.	Generation Owners	Dorothy Capra	Bill Henson	Bill Henson					
Astoria Energy LLC	Generation Owners	Greg Banhazl	Leonard Singer	Leonard Singer					
Calpine	Generation Owners	None Assigned	Thomas Kaslow	Thomas Kaslow	✓ Richard Felak				
East Coast Power	Generation Owners	Roy Shanker	Gary Keevill	Gary Keevill					
Edison Mission Marketing & Trading	Generation Owners	✓ William Roberts	Robert Agnello	Robert Agnello	Jeffrey Ellis				
Entergy Nuclear Northeast	Generation Owners	Marc Potkin	William Stone	William Stone	Ron Mackowiak				
Indeck Energy Services	Generation Owners	Mike Ferguson	John Schrage	John Schrage	Mark Younger				
KeySpan Ravenswood, LLC	Generation Owners	Rich Hohlman	Joseph Vignola	Joseph Vignola	Dick Ackerson	James D'Andrea	Terrence Kain	Ron Lukas	
Mirant New York, Inc.	Generation Owners	Vicki Lynch	Susann Felton	Susann Felton	✓ Doreen Saia				
Orion Power New York	Generation Owners	John Reese	Bruce Bleiweis	Bruce Bleiweis					
PG&E Generating	Generation Owners	Dan Dubois	Dan Whyte	Dan Whyte					
Sithe Energies, Inc.	Generation Owners	✓ Garry Brown	David Applebaum	David Applebaum					
TransCanada Power Marketing	Generation Owners	William Taylor	Elaine Beaudry	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	Jim Scheiderich					
Amerada Hess Corporation	Other Suppliers	Kevin LaGuardia	Blas Hernandez	Blas Hernandez					
Aquila Energy Marketing Corp.	Other Suppliers	Jerry Coffey	Peter Brown	Peter Brown	David Wiesner	Pamela VanHorn	Richard Mooney	✓ Susan Chamberlin	
Cinergy Capital and Trading	Other Suppliers	Jason Barker	Walt Yeager	Walt Yeager					
Con Edison Energy	Other Suppliers	Stephen Wemple	Ivan Kimball	Ivan Kimball					
Con Edison Solutions	Other Suppliers	Stephen Wemple	Rich Staines	Rich Staines					
Conectiv	Other Suppliers	Bill Fehr	John Foreman	John Foreman					
Constellation New Energy Inc.	Other Suppliers	Peter Duprey	Carrie CullenHitt	Carrie CullenHitt	Steve Fernands				
Constellation Power Source	Other Suppliers	Glen McCartney	Mary Lynch	Mary Lynch	Daniel Allegretti				
Coral Power, LLC	Other Suppliers	Matt Picardi	Dave French	Dave French					
Dominion Energy Marketing, Inc.	Other Suppliers	Michael Bekker	Lou Oberski	Lou Oberski					
Duke Energy North America, LLC	Other Suppliers	Stacy Dimou	Del Disher	Del Disher					
Dynegy	Other Suppliers	✓ Alan Foster	Jason Cox	Jason Cox	Kevin White	Tom May	Steve Vavrik		
ECONergy	Other Suppliers	Saul Horowitz	Tom Halleran	Tom Halleran					
El Paso Merchant Energy	Other Suppliers	Roy Shanker	Gary Keevill	Gary Keevill	Russel Like				
Exelon Generation - Power Team	Other Suppliers	Eric Olson	✓ Garry Brown	Garry Brown	Linda Clarke	Regina Carrado	David Applebaum		
Fortistar/Lockport Energy Associates, L.P.	Other Suppliers	Roger Kelley	Tom Gesicki	Tom Gesicki	Mark Younger	Glenn Haake			
FPL Energy	Other Suppliers	Fernando DaSilva	Dan Wheeler	Dan Wheeler					
HQ Energy Services	Other Suppliers	Michel Prevost	✓ Paul Norris	Paul Norris					
KeySpan Energy Services	Other Suppliers	Ron Lukas	Ruben Brown	Ruben Brown	✓ Peter Chamberlain	John Smith			
Mirabito Gas & Electric, Inc.	Other Suppliers	Russ Southard	Jim Scheiderich	Jim Scheiderich					

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

**Business Issues Committee - Attendance July 9, 2003 - Albany, NY - Parties Checked in Attendance**

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Proxy	Guest
Morgan Stanley Capital Group	Other Suppliers	Patrick Murray	Karen Kochonies	Levon Kazarian	Doron Ezickson				
NRG Power Marketing	Other Suppliers	Joe DeVito	✓ Jim Foxen	✓ Peter Chamberlain					
NU / Select Energy	Other Suppliers	Jim Scheiderich	Gunnar Jorgensen						
Ontario Power Generation Inc.	Other Suppliers	Tasos Karatsoreos	Jim Mastorakos	Ken Lacivita	Erica Cheung				
PP&L Energy Plus	Other Suppliers	Roland Moor	Dan Staines	David Yannarell	John Brodbeck				
PSEG Energy Resources & Trade	Other Suppliers	✓ Howard Fromer	Michael LaFalce	Bob Logan	Dennis Sobieski				
Reliant Energy Services, Inc.	Other Suppliers	John Reese	Bruce Bleiweis						
Sempra Energy Trading	Other Suppliers	Tom Halleran	Dan Staines	Russel Like	Mally Becker	Bob Chilton			
Strategic Energy LLC	Other Suppliers	Francis Pullaro	Michael Swider	Jeffrey Knox	James McCormick	Matt Morais			
Strategic Power Management, Inc.	Other Suppliers	Mario DiValentino	Tom Folchi	Dan Duthie					
Transalta (formerly MEGA)	Other Suppliers	Bob Sadowsky	Jubran Whalan						
TransÉnergie U.S. Ltd.	Other Suppliers	Michael Jacobs	José Rotger						
Williams Energy Marketing & Trading Co.	Other Suppliers	David Singer	Dennis Keener						
Long Island Power Authority	Public Power - Authorities	James Parmelee	✓ Kevin Jones	Bill Killgoar					
New York Power Authority	Public Power - Authorities	Bob Deasy	✓ Bob Gow	Paul Rougeaux	✓ Kevin Kipers				Bill Palazzo
American Wind Energy Association	Public Power - Environmental	David Wooley	✓ Larry DeWitt						
Environmental Advocates	Public Power - Environmental	Anne Reynolds	✓ Larry DeWitt						
Nat'l Resources Defense Council	Public Power - Environmental	Dale Bryk	✓ Larry DeWitt						
Pace University	Public Power - Environmental	Edward Smeloff	✓ Larry DeWitt						
Scenic Hudson	Public Power - Environmental	✓ Larry DeWitt							
Bath Electric, Gas & Water Systems	Public Power - Munis & Co-ops	Ken Moore	Matthew Benesh	Jim Hamilton	Paul Pallas	Jack Brown	✓ Tim Bush		
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	✓ Tim Bush					
Village of Fairport	Public Power - Munis & Co-ops	Ken Moore	✓ Tim Bush	Paul Pallas					
Village of Freeport	Public Power - Munis & Co-ops	Anthony Fiore	✓ Ted Kimlingen						
Village of Rockville Centre	Public Power - Munis & Co-ops	Tom Cardile	Ken Moore	Jim Hamilton	Jack Brown	Matthew Benesh	Paul Pallas	✓ Tom Rudebusch	
Village of Westfield	Public Power - Munis & Co-ops	Jim Hamilton	Ken Moore	Matthew Benesh	Jack Brown	Paul Pallas	✓ Tim Bush		
Central Hudson Gas & Electric	Transmission Owners	James Valleau	✓ Thomas Canino	Jeff May	Rick Greener				
Consolidated Edison	Transmission Owners	✓ Stuart Nachmias	Gerry Dunbar						
National Grid	Transmission Owners	Wes Yeomans	Jerry Ancona	Bart Franey					
NY State Electric Gas (NYSEG)	Transmission Owners	✓ Ray Kinney	✓ Patti Caletka	Steve Jeremko	Hank Masti				
Orange & Rockland, Inc.	Transmission Owners	Gary Rozmus							
Rochester Gas & Electric	Transmission Owners	Laurie King-Pirchner	Gerald Walter						
Caithness Energy, L.L.C	Non-voting	Ross Ain	Jack Feinstein						
Cianbro Corporation	Non-voting	Ed Krapels	Brian Chernack	Paul Fleming					
Customized Energy Solutions	Non-voting	✓ Rick Mancini	Stephen Fernands	Bill Schofield					
Energetix, Inc.	Non-voting	Barney Farnsworth	Gerald Strassner						
Hudson River Energy Group	Non-voting	Frank Radigan							
Hydro-Quebec TransEnergie	Non-voting	✓ Glenn Sylvain	Mario Boucher						
NYS Department of Public Service	Non-voting	✓ Bill Heinrich	David Drexler						
The Structure Group	Non-voting	Bob Furry	Heather Sanders						
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							
zNew Member	Non-voting	None Assigned							

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

- ✓ Gerald Deaver NYISO
- ✓ Chuck King NYISO
- ✓ Andy Ragogna NYISO
- ✓ Elaine Robinson NYISO
- ✓ Kristen Kranz NYISO
- ✓ Leigh Bullock NYISO
- ✓ Ray Stalter NYISO
- ✓ Debbie Eckels NYISO
- ✓ Dave Lawrence NYISO
- ✓ Peter Lemme NYISO
- ✓ Valerie Ross NYISO
- ✓ Nicole Bouchet NYISO

New York Independent System Operator - Committee Membership

Business Issues Committee - Attendance July 9, 2003 - Albany, NY - Parties Checked in Attendance

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Proxy	Guest
✓ Jim David	NYISO								
✓ Bob Friend	NYISO								
✓ Jim McGinnis	NYISO								
✓ Jane Lathrop	NYISO								
✓ Aaron Breidenbaugh	NYISO								
✓ Kathy Whitaker	NYISO								
✓ Mike Jaeger	NYISO/LECG								

**Key:**

✓ = In attendance