

NYISO Business Issues Committee Meeting

December 13, 2001

Marriott Hotel
Beltrone Drive
Albany, NY

MINUTES OF THE MEETING

I Welcome & Meeting Objectives

Mr. Stephen Wemple, Chairperson of the Business Issues Committee (BIC), called the meeting to order at 9:35 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

Approval of the November 15, 2001 BIC Minutes was deferred to the January 2002 BIC Meeting at the request of a Market Participant that wished to submit comments on the Minutes.

III Chairperson's Report

Mr. Wemple reported that the existing BIC Working Groups would continue their roles and announced the appointment of Mr. Matthew Picardi of Dynegy as the new Chairperson of the Installed Capacity (ICAP) Working Group. He thanked Mr. Howard Fromer for his efforts as the past Chairperson of the ICAP Working Group. Mr. Wemple listed the working groups and their respective chairpersons as:

Billing and Accounting WG – Ms. Kathy Logan
Schedule and Pricing WG – Mr. Ray Kinney
Market Structure WG – Mr. Jim Scheiderich
Price Responsive Load WG – Mr. Larry DeWitt

IV Market Operations Update

Mr. Charles King of NYISO announced that the implementation of Multi-Hour Block Transactions was delayed until next week. Mr. King also announced that Consolidated Invoices were released earlier in the week and requested feedback from Market Participants. Mr. Wes Yeomans of Niagara Mohawk suggested that interested Market Participants bring their comments on the Consolidated Invoice to the December 18th Billing Data and Format Task Force meeting. Mr. Yeomans also noted that the TCC part of the Consolidated Invoice was not included in the invoice, but would be added in after performance issues are addressed.

Mr. King also advised the BIC that the Pre-scheduling and Ramp Management Projects are progressing and that the NYISO was working with PJM and ISO-NE on those projects.

Dr. James Savitt of NYISO reported that CPS2 has been very constant over the past three reporting periods at about 97.7% and that the average daily price of energy has decreased over the past few months. He added that the markets have been calm in terms of volatility over that period as well. Dr. Savitt also pointed out that the relative percentages of bilateral transactions vs. LBMP purchases had changed with respect to previous months with 51% of the transactions being internal bilateral transactions in November. Regarding uplift costs, Dr. Savitt reported that the NYISO is trying to develop an uplift report that makes sense and explained that it may take a few months to develop the report.

Dr. Savitt reported that there was less volatility in the Ancillary Services Market as compared to last year. He also noted that the price of regulation had increased since last year indicating that there was less regulation offered in the Market during certain hours. Dr. Savitt pointed out that Balancing Market Evaluation (BME) information had been included in the NYISO Monthly Average Internal LBMPs graph and added that BME prices were also included in the Zonal Statistics charts, but not yet incorporated into the corresponding graphs.

Dr. Savitt noted that external prices have been converging since September. He also reported that hours reserved and price corrections were up slightly in November and added that the NYISO is continuing work with LECG on improving the price reservation / correction process. Addressing virtual bidding, Dr. Savitt reported that activity had started to pick up during the last week of November.

Inter-regional ICAP Initiatives

Mr. Vincent Budd of NYISO introduced the ISO MOU Operations Working Group Charter and indicated that two of the eight Seams Issues were ICAP related issues. Mr. Budd defined the objective of the initiative to be to “establish a common understanding for ICAP products transacted across Control Area Boundaries for ICAP markets established by ISO-NE, NYISO, and PJM.” He outlined the ICAP issues identified by the Working Group and explained that the Group had defined four general ICAP Principles that included planning, scheduling, current day call and curtailment activity.

Mr. Budd also discussed an Inter-area ICAP Validation Procedure that would ensure that the participating ISOs involved in an ICAP transaction are aware of the ICAP status of the transaction. He explained that the validation procedure would be a monthly process that would respect transfer limits, identify transactions so that all parties to the transaction are aware of the call option, and would be available to the relevant control rooms. Mr. Budd added that NYISO, PJM, ISO-NE and HQ are participants in the Validation Procedure.

Addressing the ICAP Deliverability Proposal, Mr. Budd reported that the proposal would meet the obligations of the general ICAP principles, and foster inter-regional ICAP transactions. He noted that the proposal will have procedural, billing, and Tariff ramifications, and that the proposal needed to be discussed at the SOAS and ICAP Working Groups to build consensus on

the process Mr. Budd added that he was hoping for implementation of the process in time for the Summer 2002 Capability Period. Mr. Budd also announced that there was a joint ISO meeting on the topic scheduled for December 20 (2001) in Baltimore to give Market Participants the opportunity to participate in open discussions on the process.

Regarding the Inter-ISO Congestion Management Pilot Program, Mr. King advised the BIC that PJM had indicated concern about the addition of Emergency Transaction provisions included in the NYISO filing on the program. Mr. Rick Mancini of NYSEG added that he understood that PJM would accept the Emergency Transaction provisions for the pilot program, but they may want to eliminate them for the final implementation.

Ms. Leigh Bullock of NYISO reported that all areas measured by the 2001 Customer Satisfaction Survey had improved with respect to the 2000 survey and pointed out that the highest score (3.4) recorded in the 2000 survey was the average score recorded in the 2001 survey. Ms. Bullock outlined a few observations developed from the survey and indicated that there are still some areas for improvement. Mr. Rick Mancini of NYSEG commented that designations such as "Always" and "Never" make it difficult to fairly respond to extremes in performance and suggested that such designations be reviewed. Mr. Mancini also suggested that questions be reviewed to be sure that adequate information is provided to the NYISO to address Market Participant concerns and provide an accurate performance measure. Ms. Bullock indicated that the questions would be so reviewed for the next survey.

V Interim BME/SCD Convergence Proposal (MSWG)

Mr. Robert Pike of NYISO reported that the Scheduling & Pricing Working Group (S&PWG) had been working on the Interim BME/SCD Convergence Proposal since September, and that he was presenting the results of those discussions to the BIC for approval. He described the relevant issues to be: 1) BME/SCD price divergence; 2) schedule inconsistencies; and 3) uplift costs, and explained that the S&PWG had prioritized several converging initiatives to address these issues. Mr. Pike defined the initiatives as: 1) export transactions as reserve suppliers; 2) latent reserve; 3) downward regulation; 4) reserve/regulation ramp rate constraint; and 5) BME/SCD reserve requirement, and provided an overview of each initiative. Mr. Pike added that the proposal will also require Tariff changes, and that the intent was to complete the project in time for the Summer 2002 Capability Period.

In response to a question about the potential impact on settlements, Mr. Pike noted that the clearing price for 30-Minute Reserves would have gone down and energy prices would have gone up had the proposed process been modeled over the past six months.

Mr. Ray Kinney, Chairperson of the S&PWG, presented Motion #1 and indicated that the proposal had general consensus within the S&PWG although some generators had expressed concern over certain provisions of the proposal. Some Market Participants expressed concern over the price curve for reserves as exports that was included in the proposal and Mr. Kinney explained that the proposal includes provisions for re-addressing the curve at the BIC.

Ms. Doreen Saia presented an amendment to Motion #1 (Motion #2) calling for the NYISO to designate resources in January 2002 to work with the Committee Structure to consider payment to on-dispatch providers as part of the BME/SCD short term convergence assignment.

Motion #1:

Motion to approve the five BME/SCD Converging Initiatives as presented to BIC on 12/13/2001 as Agenda Item #5 and described in the document *BME-SCD Convergence Proposal.doc* (Motion passed with 100 % affirmative votes with abstentions)

Motion #2:

Motion to amend Motion #1 to add that the BIC requests the NYISO to designate resources as part of the BME/SCD short term convergence assignment in January 2002 to work with the Committee Structure to consider payment to on-dispatch providers. (Motion failed with 56.69 % affirmative votes)

VI Proposal to enhance the Price Responsive Load programs

Mr. Lawrence DeWitt, Chairperson of the Price Responsive Load Working Group (PRLWG), presented a summary of various load relief measures utilized during 2001 and indicated that the EDRP and SCR programs contributed 580 MW of the 1,580 MW of relief realized. He explained that the current EDRP runs for one more year and that the Day-Ahead Program runs for two more years.

Mr. DeWitt proposed changes that would revise the Customer Baseline Load calculation methodology, add competition to the Day-Ahead program, and implement a pilot aggregation program for small, unmetered customers. He also reported that there was consensus on the proposed changes within the PRLWG.

Motion #3:

Motion to amend the NYISO Emergency Demand Response Program (EDRP) and the Day-Ahead Demand Response Program (DADRP) as described in the material presented to the Business Issues Committee on 12/13/01. Amendments during the meeting are reflected in the three categories listed below.

The program changes fall into the following three categories:

1. Customer Base Load (CBL) calculation. Provide customers with an alternative mechanism for calculating the CBL to avoid shortcomings in the current mechanism, which is biased against temperature-sensitive loads.
2. Provide a settlement mechanism for the competitive Demand Response Providers (DRPs) in the DADRP that the approved tariff calls for as of January 1, 2002. A mechanism needs to be provided to cover settlements for the tariff-specified category of Demand Response Providers that will be able to provide DADRP to any customers. Until January 1, 2002, only the electric commodity providing LSE can provide such service. The Business Issues Committee requests

that the NYISO staff in consultation with the Credit Policy Review Committee propose appropriate credit worthiness and, if necessary, collateral requirements for DRPs.

3. Provide a pilot program, limited to 25 MW of load reduction, for small customers that do not have interval meters so that they can participate in the EDRP and DADRP. Verification of load reduction performance would be the burden of the proposing DRP or CSP. Verification Plans for such participation would be approved by the NYISO and by the Chairs and Vice-Chairs of the Management Committee and the Business Issues Committee and the Chair of the Price Responsive Load Working Group after review by the Price Responsive Load Working Group.

This program will be limited to two years unless renewed by the appropriate NYISO Committees. A detailed evaluation of the program, focusing particularly on provision of capacity, will be conducted after the first summer capability period. This report will be sent to a joint group comprised of the PRLWG and the ICAP WG, and they will in turn report their findings to the BIC.

(Motion passed unanimously by a show of hands)

VII Status on Final Bill Process and Billing Issues Resolution

Mr. Andrew Ragona of NYISO advised the BIC that the NYISO would like to get to the point where the 4-month True-up is the final bill. He reported that the Final Bill Working Group currently includes most of the TOs, but does not have representation from all sectors. Mr. Ragona added that he would like to have two representatives from each sector participate in the Working Group.

Mr. Ragona explained that the NYISO believes that they have identified all outstanding billing issues and added that remaining coding issues can be cleaned up by the end of the first quarter of 2002. Mr. Ragona then addressed the length of time that it takes to get good meter readings and advised the BIC that the 4-month invoice can get to 90-95% accuracy. He also explained that, per the Tariff, Market Participants have 12 months to challenge the bill and that the 12-month period will cover the time required to get better meter readings as required. He added that challenges to the bills are first submitted to the NYISO for review and then, if denied, the Market Participant can go to Dispute Resolution. In response to a question concerning the status of a non-disputing entity's bill when another entity has bill changes, Mr. Ragona replied that NYISO legal staff is still investigating the issue.

Referring to the "Elimination of the 8-month True-up Proposal", Mr. Ragona suggested that the motion be amended to allow for re-invoicing if significant problems are noted in the 4-month true-up. Mr. Wemple replied that the NYISO should come to the BIC by exception when such a case arises.

VIII Motion to suspend the 8-month true-up

Mr. Wes Yeomans of Niagara Mohawk reported that the Billing and Accounting Working Group (BAWG) had reached consensus on the elimination of the 8-month True-up. He explained that the current number of true-ups, is very time consuming for both the NYISO and Market Participants. Mr. Yeomans added that the change does not require a Tariff change.

Motion #4:

Motion to eliminate the 8 month True-up as recommended by the BAWG.
(Motion passed unanimously by a show of hands)

IX Virtual Bidding Credit Limit Proposal

Mr. Mark Younger of Slater Consulting, in a proposal concerning virtual bidding credit policy, defined the objectives of the proposal and reviewed aspects of the current credit policy. Mr. Younger indicated that he thought that the current policy imposed excessive collateral requirements on bidders because it is based upon the highest price delta (DAM vs. RTM) for the entire state rather than just the specific zones in which the bidder had registered to participate in virtual bidding.

Mr. Younger explained that Market Participants are required to identify the zones in which they will participate in virtual bidding when they register, and that they cannot bid outside of the approved zones, adding that the price delta exposure is not the same in all zones. He identified the financial impacts of the credit policy to be the cost of posting a letter of credit, and the resulting reduction in the Market Participants accessible working capital, and stated that the financial requirements reduce participation in virtual bidding. Mr. Younger presented a table showing what the DAM vs. RTM price delta for each zone would be under the proposal and concluded with a summary of the benefits of the proposal.

Mr. Andrew Ragona of the NYISO explained that the credit policy for virtual bidding was originally designed to be conservative, and that the Management Committee (MC) had acknowledged that it was to be an interim policy. Mr. Ragona added that he would like to have two to three months of experience with virtual bidding prior to revising the credit policy, and added that he did not think that there would be enough information available to present the proposal for action at the January MC Meeting.

Mr. Ragona advised the BIC that he objected to the time frame requirements of the proposal and not the concept. He suggested that he try to gather information for the Credit Policy Review Committee to evaluate in January, and that the presentation of the proposal to the MC be deferred until February. Mr. Younger agreed to the deferral and Motion #5 was presented.

Motion #5:

Motion to amend the credit support requirement for participation in virtual bidding in New York to reflect the differing risk exposure to the market depending upon the selected zone(s) in which a market participant chooses to participate.

The Business Issues Committee hereby recommends to the Management Committee that it implement a change to require credit limits/collateralization for undertaking virtual bidding in New York at levels commensurate with the specific zones in which a market participant is bidding. This amendment would not alter the level of protection in place under the present virtual bidding credit support policy.

The Business Issues Committee further asks that the NYISO staff, in consultation with the Credit Policy Review Committee, review this proposed change and report on it at the February Management Committee meeting.

DESCRIPTION: A credit requirement for each zone in New York shall be calculated using the same methodology as used in the present policy. That calculation is based on the widest gap (delta) between day ahead (DAM) and real time (RT) prices that would be expected to exist 97% of the time. Under the present policy, those wanting to participate in virtual bidding are required to (a) advise the NYISO of those zones in which it will participate; and (b) post collateral in an amount sufficient to cover risk exposure in the zone with the widest DAM/RT delta, regardless of whether the participant chooses to engage in virtual bidding in that zone. This amendment proposes to require the posting of collateral to reflect the risk exposure in the zone with the widest delta (most expensive) in which the market participant chooses to engage in virtual bidding, and not necessarily the widest delta statewide. In short, the credit requirement for an individual market participant will be determined based on the most expensive zone in which the participant wishes to be active for purposes of virtual bidding. A market participant would be ineligible to participate in virtual bidding in a zone in which it does not qualify by posting adequate collateral.

(Motion passed by a majority show of hands with one opposed and two abstentions)

X Working Group Updates

Billing and Accounting Working Group (BAWG)

Mr. Yeomans reported that the BAWG had compiled a list of BAWG assignments at their last meeting and that the list should be posted on the NYISO web site early next week.

Market Structure Working Group (MSWG)

Mr. James Scheiderich, the MSWG Chairperson, reported that Virtual Bidding was implemented but the data posting needs must still be addressed. Mr. Scheiderich then presented a list of issues that the MSWG is currently addressing including: multi-hour block transactions; pre-scheduled transactions; flexible TSCs; BME/SCD long term solutions; TCC allocations; ICAP deliverability; congestion reduction; and unaccounted for loss/load issues.

Mr. Scheiderich explained that implementation of the Pre-Scheduled Transactions initiative had been delayed until early March to allow for complete testing, and added that there were some PJM business rule and OSS/CSS issues to be addressed.

With respect to TCC Allocations, Mr. Scheiderich reported that there were two LECG presentations available for review on the NYISO MSWG web page. He added that implementation was targeted for Winter 2002-2003, coincident with the end state TCC auction.

Scheduling and Pricing Working Group (S&PWG)

Mr. Ray Kinney, the S&PWG Chairperson, reported that the S&PWG had conducted early discussions on the Automated Mitigation Procedure (AMP) modifications and that they had impaneled a group, headed by Ms. Elaine Robinson of NYISO, to study in-city mitigation and AMP. He added that the meetings would go on weekly until the compliance filing was completed.

Price Responsive Load Working Group (PRLWG)

Mr. Larry Dewitt, the PRLWG Chairperson, reported that the PRLWG was conducting an extensive evaluation of the first year of the price responsive load programs. The Working Group hopes to have written reports from Neenan Associates and Lawrence Berkeley Labs by January. The Working Group also plans to present a non-incentivized plan for BIC action sometime during the next year.

XI New Business

Mr. Bradley Kranz, the BIC liaison, reviewed the BIC Action Item list.

XII Administrative Matters

No administrative matters were discussed at this meeting.

XIII Adjournment

The meeting was adjourned at 2:30 PM.

Motion # 6:

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
BIC.12.13.01-1	Add uplift data to the Market Operations Report - Chart 4B.	J. Savitt
BIC.12.13.01-2	Add BME prices to the External Comparison Graphs of the NYISO Market Operations Update Report – Charts 4P and 4O.	J. Savitt
BIC.12.13.01-3	Develop a report to show hours when prices settled on the BME price.	J. Savitt

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(Motion passed by a majority show of hands)

New York Independent System Operator - Committee Membership

Business Issues Committee - Attendance December 13, 2001 - Albany, NY - Parties Checked in Attendance

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Proxy	Guest
NYS Energy Research & Develop. Auth. The City of New York	End Use - Gov. Agency/Aggr. End Use - Gov. Agency/Aggr.	Paul DeCotis Jay Kooper		Richard Miller			
Alcoa/Reynolds Metals Company	End Use - Large Consumers	Leonard Singer	✓ Robert Loughney	Michael Mager		Jonathan Wallach	
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.	Jesse Samberg	Gary Caplan	Walter McCarroll			
Aaron Breidenbaugh	End Use - Small Consumers	✓ Aaron Breidenbaugh					✓ Howard Fromer
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				
Cianbro Corporation	End Use - Small Consumers	Ed Krapels	Brian Chernack				
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	Doug Roll	✓ Charles Sjoberg				
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 Thorn	Gary Miller				
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	✓ Ron Mackowiak			
Indeck Energy Services	Generation Owners	Mike Ferguson	John Schrage	✓ Mark Younger			
KeySpan Ravenswood, Inc	Generation Owners	Kevin Knapp	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			✓ Kathy Logan
PG&E Generating	Generation Owners	Steve McDonald	Jeff Simmons			✓ Roy Shanker	
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			
TransCanada Power Marketing	Generation Owners	William Taylor	Elaine Beaudry				
NYS Department of Public Service	Non-voting	Joel Brainard	✓ Bill Heinrich				✓ Harvey Happ
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	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			✓ Russel Like	
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		
FPL Energy	Other Suppliers	✓ Bill Fenerty	Dan Wheeler				
HQ Energy Services	Other Suppliers	Michel Prevost	Paul Norris				
KeySpan Energy Services	Other Suppliers	Ron Lukas	Ruben Brown	Peter Chamberlain	John Smith		
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	Dave French				
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	Tom Halleran	Dana Volpe	✓ Russel Like	Mally Becker		
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			
Transalta (formerly MEGA)	Other Suppliers	Daniel Lobue	John Carmody				
TransEnergie U.S. Ltd.	Other Suppliers	Michael Jacobs	José Rotger				
Williams Energy Marketing & Trading Co.	Other Suppliers	Dennis Keener	Robert O'Connell				
Long Island Power Authority	Public Power - Authorities	✓ James Parmelee	Alan Elberfeld	✓ Kevin Jones			
New York Power Authority	Public Power - Authorities	Dave Wang	✓ Robert Gow	✓ Bob Deasy			
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	✓ 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	✓ Anthony 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	Matthew Benesh	Jack Brown	✓ Tom Rudebusch	
Central Hudson Gas & Electric	Transmission Owners	✓ James Valteau	✓ Thomas Canino	Jeff May	Rick Greener		
Consolidated Edison	Transmission Owners	Michael Forte	Gary Rozmus	✓ Gerry Dunbar			

New York Independent System Operator - Committee Membership

Business Issues Committee - Attendance December 13, 2001 - Albany, NY - Parties Checked in Attendance

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Proxy	Guest
Niagara Mohawk Power Company	Transmission Owners	✓ Jerry Ancona	Martin Amati	Scott Leuthauser			
NY State Electric Gas (NYSEG)	Transmission Owners	✓ Rick Mancini	John Kobuskie	✓ Ray Kinney			
Orange & Rockland, Inc.	Transmission Owners	Gary Rozmus			✓ Gary Freeland	David Kimiecik(BIC)	✓ Wes Yeomans
Rochester Gas & Electric	Transmission Owners	✓ Laurie King-Pirchner	Gerald Walter				
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:

Ira Freilicher	Hunton & Williams
Gina Fedele	Hunton & Williams
✓ Andy Ragogna	NYISO
✓ Jonathan Mayo	NYISO
✓ Chuck King	NYISO
✓ Kristen Kranz	NYISO
✓ Robb Pike	NYISO
✓ Vinny Budd	NYISO
✓ Leigh Bullock	NYISO
✓ Mollie Lampi	NYISO
✓ Brad Kranz	NYISO
✓ Doug Deay	NYISO
✓ Mike Jaeger	NYISO
✓ John Charlton	NYISO
✓ Rick Hoefler	NYISO
✓ Dave Lawrence	NYISO

Key:

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

New York Independent System Operator

Business Issues Committee - December 13, 2001

Motion: Motion #1

Result: Motion Passed

Sector with base percent	%	Active	Quorum	Adj. Percent	For	Against	Abstain	% For	% Against	
Generation Owners	21.5	✓	✓	21.50	4.00	0.00	6	21.50	0.00	
Other Suppliers	21.5	✓	✓	21.50	4.00	0.00	4	21.50	0.00	
Transmission Owners	20.0	✓	✓	20.00	3.00	0.00	2	20.00	0.00	
End Use Consumers			✓							
Large Consumers	9.0	✓		9.00	5.00	0.00	0	10.33	0.00	
Large Cons. Gov. Agency	2.0	✓		2.00	0.00	0.00	0	0.00	0.00	
Small Consumers	4.5	✓		4.50	11.00	0.00	1	5.17	0.00	
Gov. State-wide Cons. Advocate	2.7	✓		2.70	1.00	0.00	0	4.50	0.00	
Gov. Sm. Cons. & Retail Aggr.	1.8	✓		1.80	0.00	0.00	0	0.00	0.00	
Public Power			✓							
State Power Authorities	8	✓		8.00	1.00	0.00	1	8.00	0.00	
Munis and Coops	7	✓		7.00	7.00	0.00	0	7.00	0.00	
Environmental	2	✓		2.00	5.00	0.00	0	2.00	0.00	
				5	100.00	41.00	0.00	14	100.00	0.00
					100.00	Normalized to 100% :		100.00	0.00	

New York Independent System Operator

Business Issues Committee - December 13, 2001

Motion

Motion #1

Sector	Organization	Representative	Affiliate	Present	For	Against
End Use - Gov. Agency/Aggr.	NYS Energy Research & Develop. Auth.					
End Use - Gov. Agency/Aggr.	The City of New York					
End Use - Large Consumers	Alcoa/Reynolds Metals Company	Robert Loughney		y	1.00	
End Use - Large Consumers	Amerada Hess Corporation					
End Use - Large Consumers	ATCO Management Co.					
End Use - Large Consumers	IBM Corporation	Robert Loughney		y	1.00	
End Use - Large Consumers	Occidental Chemical Corp.	Robert Loughney		y	1.00	
End Use - Large Consumers	Praxair Inc.	Robert Loughney		y	1.00	
End Use - Large Consumers	Xerox Corporation	Robert Loughney		y	1.00	
End Use - Large Cons. Gov.	Metropolitan Transportation Authority					
End Use - Small Consumers	Aaron Breidenbaugh	Aaron Breidenbaugh		y	1.00	
End Use - Small Consumers	Association for Energy Affordability, Inc.	David Hepinstall		y		
End Use - Small Consumers	Beth Israel Health Care System	John Dowling		y	1.00	
End Use - Small Consumers	Building and Realty Institute	John Dowling		y	1.00	
End Use - Small Consumers	Cathness Energy, L.L.C					
End Use - Small Consumers	Clanbro Corporation					
End Use - Small Consumers	Citizens Advisory Panel	Larry DeWitt		y	1.00	
End Use - Small Consumers	CNYC Inc. (Council of NY Coop & Condo)	John Dowling		y	1.00	
End Use - Small Consumers	Columbia University	John Dowling		y	1.00	
End Use - Small Consumers	Hudson River Energy Group					
End Use - Small Consumers	Mount Sinai Medical Center	John Dowling		y	1.00	
End Use - Small Consumers	New York Energy Buyers Forum	John Dowling		y	1.00	
End Use - Small Consumers	New York Presbyterian Hospital	John Dowling		y	1.00	
End Use - Small Consumers	New York University	John Dowling		y	1.00	
End Use - Small Consumers	Refined Sugars, Inc.	John Dowling		y	1.00	
End Use - Small Consumers	William P. Short					
End Use - State Agency	NY State Consumer Protection Board	Tariq Nazi		y	1.00	
Generation Owners	AES NY	Charles Sjoberg		y		
Generation Owners	American National Power, Inc.					
Generation Owners	Astoria Energy LLC					
Generation Owners	Calpine					
Generation Owners	CH Resources		y			
Generation Owners	East Coast Power	Roy Shanker	y	y		
Generation Owners	Edison Mission Marketing & Trading	William Roberts		y	1.00	
Generation Owners	Entergy Nuclear Northeast	Ron Mackowiak		y		
Generation Owners	Indeck Energy Services	Mark Younger		y	1.00	
Generation Owners	KeySpan Ravenswood, Inc	Dick Ackerson		y		
Generation Owners	Mirant New York, Inc.	Doreen Saia		y		
Generation Owners	NRG Energy	Frank Rapley		y		
Generation Owners	Orion Power New York	Mary Lynch		y		
Generation Owners	PG&E Generating	Roy Shanker		y	1.00	
Generation Owners	PSEG Energy Resources & Trade	Bob Logan		y	1.00	
Generation Owners	Sithe Energies, Inc.	Tim Bush	y	y		
Generation Owners	TransCanada Power Marketing					
Non-voting	NYS Department of Public Service	Bill Heinrich	y	y		
Other Suppliers	1st Rochdale Cooperative NYC					
Other Suppliers	Advantage Energy, Inc.					
Other Suppliers	Aquila Energy Marketing Corp.	Pamela VanHorn		y	1.00	
Other Suppliers	Automated Power Exchange (APX)					
Other Suppliers	Cinergy Capital and Trading		y			
Other Suppliers	Cinergy Services					
Other Suppliers	Con Edison Energy	Stephen Wemple	y	y		
Other Suppliers	Con Edison Solutions	Stephen Wemple	y	y		
Other Suppliers	Conectiv					
Other Suppliers	Constellation Power Source	Glen McCartney		y	1.00	
Other Suppliers	Duke Energy North America, LLC					
Other Suppliers	Dynegy					
Other Suppliers	El Paso Merchant Energy	Russel Like		y		
Other Suppliers	Energetix, Inc.		y			
Other Suppliers	Enron Power Marketing Inc.	Howard Fromer		y		
Other Suppliers	Exelon Generation - Power Team	Tim Bush		y	1.00	
Other Suppliers	FPL Energy	Bill Fenerty		y		
Other Suppliers	HQ Energy Services					
Other Suppliers	KeySpan Energy Services		y			
Other Suppliers	Morgan Stanley Capital Group					
Other Suppliers	New Energy Inc.	Stephen Fernands	y	y		
Other Suppliers	Niagara Mohawk Energy Marketing		y			
Other Suppliers	NU / Select Energy	James Scheiderich		y	1.00	
Other Suppliers	Ontario Power Generation Inc.					
Other Suppliers	PP&L Energy Plus					
Other Suppliers	PSEG Energy Technologies Inc.					
Other Suppliers	Sempra Energy Trading	Russel Like		y		
Other Suppliers	Strategic Energy LLC					
Other Suppliers	Strategic Power Management, Inc.					
Other Suppliers	Transalta (formerly MEGA)					
Other Suppliers	TransEnergie U.S. Ltd.		y			
Other Suppliers	Williams Energy Marketing & Trading Co.					
Public Power - Authorities	Long Island Power Authority	James Parmelee		y		
Public Power - Authorities	New York Power Authority	Robert Gow		y	1.00	
Public Power - Environmental	American Wind Energy Association	Larry DeWitt		y	1.00	
Public Power - Environmental	Environmental Advocates	Larry DeWitt		y	1.00	
Public Power - Environmental	Natl Resources Defense Council	Larry DeWitt		y	1.00	
Public Power - Environmental	Pace University	Larry DeWitt		y	1.00	
Public Power - Environmental	Scenic Hudson	Larry DeWitt		y	1.00	
Public Power - Munis & Co-ops	Bath Electric, Gas & Water Systems	Tom Rudebusch		y	1.00	
Public Power - Munis & Co-ops	City of Jamestown Board of Pub. Util.	David Gustafson		y	1.00	
Public Power - Munis & Co-ops	Plattsburgh Municipal Lighting Dept.	Tom Rudebusch		y	1.00	
Public Power - Munis & Co-ops	Village of Fairport	Tom Rudebusch		y	1.00	
Public Power - Munis & Co-ops	Village of Freeport	Anthony Fiore		y	1.00	
Public Power - Munis & Co-ops	Village of Rockville Centre	Tom Rudebusch		y	1.00	
Public Power - Munis & Co-ops	Village of Westfield	Tom Rudebusch		y	1.00	
Transmission Owners	Central Hudson Gas & Electric	James Valleau		y	1.00	
Transmission Owners	Consolidated Edison	Gerry Dunbar		y		
Transmission Owners	Niagara Mohawk Power Company	Jerry Ancona		y	1.00	
Transmission Owners	NY State Electric Gas (NYSEG)	Rick Mandini		y	1.00	
Transmission Owners	Orange & Rockland, Inc.		y			
Transmission Owners	Rochester Gas & Electric	Laurie King-Pirchner		y		
Non-voting	American Electric Power (AEP)		y			
Non-voting	New Member		y			
Non-voting	New Member		y			

New York Independent System Operator

Business Issues Committee - December 13, 2001

Motion: Motion #2

Result: Motion Failed

Sector with base percent	%	Active	Quorum	Adj. Percent	For	Against	Abstain	% For	% Against	
Generation Owners	21.5	✓	✓	21.50	8.00	0.00	2	21.50	0.00	
Other Suppliers	21.5	✓	✓	21.50	3.00	1.00	4	16.13	5.38	
Transmission Owners	20.0	✓	✓	20.00	2.00	2.00	1	10.00	10.00	
End Use Consumers			✓							
Large Consumers	9.0	✓		9.00	0.00	5.00	0	0.00	10.33	
Large Cons. Gov. Agency	2.0	✓		2.00	0.00	0.00	0	0.00	0.00	
Small Consumers	4.5	✓		4.50	0.00	10.00	2	0.00	5.17	
Gov. State-wide Cons. Advocate	2.7	✓		2.70	0.00	1.00	0	0.00	4.50	
Gov. Sm. Cons. & Retail Aggr.	1.8	✓		1.80	0.00	0.00	0	0.00	0.00	
Public Power			✓							
State Power Authorities	8	✓		8.00	2.00	0.00	0	9.07	0.00	
Munis and Coops	7	✓		7.00	0.00	7.00	0	0.00	7.93	
Environmental	2	✓		2.00	0.00	0.00	5	0.00	0.00	
				5	100.00	15.00	26.00	14	56.69	43.31
				100.00 Normalized to 100% :				56.69	43.31	

New York Independent System Operator

Business Issues Committee - December 13, 2001

Motion

Motion #2

Sector	Organization	Representative	Affiliate	Present	For	Against
End Use - Gov. Agency/Aggr.	NYS Energy Research & Develop. Auth.					
End Use - Gov. Agency/Aggr.	The City of New York					
End Use - Large Consumers	Alcoa/Reynolds Metals Company	Robert Loughney		y		1.00
End Use - Large Consumers	Amerada Hess Corporation					
End Use - Large Consumers	ATCO Management Co.					
End Use - Large Consumers	IBM Corporation	Robert Loughney		y		1.00
End Use - Large Consumers	Occidental Chemical Corp.	Robert Loughney		y		1.00
End Use - Large Consumers	Praxair Inc.	Robert Loughney		y		1.00
End Use - Large Consumers	Xerox Corporation	Robert Loughney		y		1.00
End Use - Large Cons. Gov.	Metropolitan Transportation Authority					
End Use - Small Consumers	Aaron Breidenbaugh	Aaron Breidenbaugh		y		1.00
End Use - Small Consumers	Association for Energy Affordability, Inc.	David Hepinstall		y		
End Use - Small Consumers	Beth Israel Health Care System	John Dowling		y		1.00
End Use - Small Consumers	Building and Realty Institute	John Dowling		y		1.00
End Use - Small Consumers	Caithness Energy, L.L.C					
End Use - Small Consumers	Clanbro Corporation					
End Use - Small Consumers	Citizens Advisory Panel	Larry DeWitt		y		
End Use - Small Consumers	CNYC Inc. (Council of NY Coop & Condo)	John Dowling		y		1.00
End Use - Small Consumers	Columbia University	John Dowling		y		1.00
End Use - Small Consumers	Hudson River Energy Group					
End Use - Small Consumers	Mount Sinai Medical Center	John Dowling		y		1.00
End Use - Small Consumers	New York Energy Buyers Forum	John Dowling		y		1.00
End Use - Small Consumers	New York Presbyterian Hospital	John Dowling		y		1.00
End Use - Small Consumers	New York University	John Dowling		y		1.00
End Use - Small Consumers	Refined Sugars, Inc.	John Dowling		y		1.00
End Use - Small Consumers	William P. Short					
End Use - State Agency	NY State Consumer Protection Board	Tariq Nazi		y		1.00
Generation Owners	AES NY	Charles Sjoberg		y	1.00	
Generation Owners	American National Power, Inc.					
Generation Owners	Astoria Energy LLC					
Generation Owners	Calpine					
Generation Owners	CH Resources		y			
Generation Owners	East Coast Power	Roy Shanker	y	y		
Generation Owners	Edison Mission Marketing & Trading	William Roberts		y		
Generation Owners	Entergy Nuclear Northeast	Ron Mackowiak		y	1.00	
Generation Owners	Indeck Energy Services	Mark Younger		y	1.00	
Generation Owners	KeySpan Ravenswood, Inc	Dick Ackerson		y	1.00	
Generation Owners	Mirant New York, Inc.	Doreen Saia		y	1.00	
Generation Owners	NRG Energy	Frank Rapley		y	1.00	
Generation Owners	Orion Power New York	Mary Lynch		y	1.00	
Generation Owners	PG&E Generating	Roy Shanker		y		
Generation Owners	PSEG Energy Resources & Trade	Bob Logan		y	1.00	
Generation Owners	Sithe Energies, Inc.	Tim Bush	y	y		
Generation Owners	TransCanada Power Marketing					
Non-voting	NYS Department of Public Service	Bill Heinrich	y	y		
Other Suppliers	1st Rochdale Cooperative NYC					
Other Suppliers	Advantage Energy, Inc.					
Other Suppliers	Aquila Energy Marketing Corp.	Pamela VanHorn		y		
Other Suppliers	Automated Power Exchange (APX)					
Other Suppliers	Cinergy Capital and Trading		y			
Other Suppliers	Cinergy Services					
Other Suppliers	Con Edison Energy	Stephen Wemple	y	y		
Other Suppliers	Con Edison Solutions	Stephen Wemple	y	y		
Other Suppliers	Conectiv					
Other Suppliers	Constellation Power Source	Glen McCartney		y	1.00	
Other Suppliers	Duke Energy North America, LLC					
Other Suppliers	Dynegy					
Other Suppliers	El Paso Merchant Energy	Russel Like		y		
Other Suppliers	Energetix, Inc.		y			
Other Suppliers	Enron Power Marketing Inc.	Howard Fromer		y		
Other Suppliers	Exelon Generation - Power Team	Tim Bush		y	1.00	
Other Suppliers	FPL Energy	Bill Fenerty		y	1.00	
Other Suppliers	HQ Energy Services					
Other Suppliers	KeySpan Energy Services		y			
Other Suppliers	Morgan Stanley Capital Group					
Other Suppliers	New Energy Inc.	Stephen Fernands	y	y		
Other Suppliers	Niagara Mohawk Energy Marketing		y			
Other Suppliers	NU / Select Energy	James Scheiderich		y		1.00
Other Suppliers	Ontario Power Generation Inc.					
Other Suppliers	PP&L Energy Plus					
Other Suppliers	PSEG Energy Technologies Inc.					
Other Suppliers	Sempra Energy Trading	Russel Like		y		
Other Suppliers	Strategic Energy LLC					
Other Suppliers	Strategic Power Management, Inc.					
Other Suppliers	Transalta (formerly MEGA)					
Other Suppliers	TransEnergie U.S. Ltd.		y			
Other Suppliers	Williams Energy Marketing & Trading Co.					
Public Power - Authorities	Long Island Power Authority	James Parmelee		y	1.00	
Public Power - Authorities	New York Power Authority	Robert Gow		y	1.00	
Public Power - Environmental	American Wind Energy Association	Larry DeWitt		y		
Public Power - Environmental	Environmental Advocates	Larry DeWitt		y		
Public Power - Environmental	Natl Resources Defense Council	Larry DeWitt		y		
Public Power - Environmental	Pace University	Larry DeWitt		y		
Public Power - Environmental	Scenic Hudson	Larry DeWitt		y		
Public Power - Munis & Co-ops	Bath Electric, Gas & Water Systems	Tom Rudebusch		y		1.00
Public Power - Munis & Co-ops	City of Jamestown Board of Pub. Util.	David Gustafson		y		1.00
Public Power - Munis & Co-ops	Plattsburgh Municipal Lighting Dept.	Tom Rudebusch		y		1.00
Public Power - Munis & Co-ops	Village of Fairport	Tom Rudebusch		y		1.00
Public Power - Munis & Co-ops	Village of Freeport	Anthony Fiore		y		1.00
Public Power - Munis & Co-ops	Village of Rockville Centre	Tom Rudebusch		y		1.00
Public Power - Munis & Co-ops	Village of Westfield	Tom Rudebusch		y		1.00
Transmission Owners	Central Hudson Gas & Electric	James Valleau		y		1.00
Transmission Owners	Consolidated Edison	Gerry Dunbar		y		1.00
Transmission Owners	Niagara Mohawk Power Company	Jerry Ancona		y	1.00	
Transmission Owners	NY State Electric Gas (NYSEG)	Rick Mandini		y	1.00	
Transmission Owners	Orange & Rockland, Inc.		y			
Transmission Owners	Rochester Gas & Electric	Laurie King-Pirchner		y		
Non-voting	American Electric Power (AEP)		y			
Non-voting	New Member		y			
Non-voting	New Member		y			