NYISO Management Committee Meeting

2 August 2001 Desmond Hotel Albany, NY

Meeting Minutes

1. Introductions and Meeting Objectives & Chairman's Report

Mr. Reed called the meeting to order at 10:21AM.

There are a number of items that need to be voted on.

There are several "non-controversial" tariff changes to be voted upon and nearly final tariff proposals for VB and MHBT.

NYISO is also asking for extension of bid cap and TEP authority.

He noted that some of the Project Priority Team items are moved back to January, mainly as a placeholder to recognize the uncertainty in the RTO process. Still, there are projects that need to be done despite the direction of the RTO process.

In response to Mark Younger's question about reporting of prices for 24 and 25 July, Mr. Reed suggested the NYISO staff was prepared to discuss it later in the morning.

The unbundling issue was removed from the agenda. As many had heard, the Board did not approve the proposal passed by the Management Committee in July. Mr. Museler will expand on this issue in item 3 of the agenda.

2. Approval of May 23, and July 12, 2001 Minutes

In response to a Motion to approve that was seconded, the 23 May minutes were approved by a show of hands. In response to a Motion to approve that was seconded, the 12 July minutes were approved by a show of hands.

3. President's Report

Mr. Museler recapped some of the information presented in the charts distributed as part of the August MC packet. He presented a temperature chart showing the differences between same day mean temperatures from 2000 to 2001 for the months of June and July. He also displayed a draft of the Average Daily NYISO – Administered Total Price chart (4-A in the Monthly Report). Other than a spike in real-time prices near the end of July, prices for the month have been relatively

calm. Charts 4-K through 4-N indicate that real-time prices were higher in July than in June, while Day-Ahead prices were lower in July than in June in the eastern part of the state. In the City, lower fuel prices, software fixes, and presence of new generation helped to keep prices around the levels of last year.

He noted further that the number of price reservations should be falling after Labor Day as the NYISO tightens up its standards for reservation. Actual price corrections are still quite low, they jump when there are data link problems.

Mr. Masti raised a question about 24 and 25 July, uplift costs and purported DAM underbidding. Mr. Museler responded that Mr. Calimano would be addressing those issues in his presentation.

Mr. Museler also reported on mitigation actions undertaken by the Market Monitoring and Performance Department. AMP triggered three times and mitigated twice in July. Real-time mitigation took place twice in July and once in June (correction to the handout). There have been eleven thunderstorm alerts since the beginning of June – four in June and seven in July. Mitigation has triggered twice in each month.

In referring to the handouts on the Demand Response Programs, Mr. Museler noted that the Emergency Demand Response Program has 23 registrations and five in process for a total of 477.5 MW of interruptible generation. For the Day-Ahead Demand Response Program there are 498.3 MW across 29 bid slots, both dedicated and aggregate. On Monday 23 July, three bids totaling 88 MWHr of energy reduction were scheduled in the DAM.

Mr. Museler then updated the MC on the project schedules resulting from the recent meeting of the Project Priority Team:

Virtual Bidding is on track for 1 Nov., but tight.

The Budget Standards and Performance Subcommittee needs to define a credit policy for the Virtual Bidding environment ASAP.

SAS-70 is on track for the 1 November audit.

Deployment of Multi-hour Block Bidding was moved back 1 month to facilitate orderly startup subsequent to Virtual Bidding.

Billing improvements are on track per the BAWG schedule.

Finally, Mr. Museler reported to the MC the Board's issues with Unbundling of Rate Schedule 1:

The Board recognizes the effort of Market Participants to resolve this issue. Still, some issues remain: All ISOs have developed a method of shared costs. The Board believes that it is important to have a contribution from sellers as well as buyers. The allocation method looked to some members of the Board like traditional utility cost pass-through. The Board thought that the approach should be analogous to the PJM approach, but with recognition of the difference between the two market models. Mr. Museler and Mr. Reed would like to ask FERC to put the issue on hold pending the RTO process.

Mr. Parmelee said that he did not remember any discussion in the Board Liaison meeting, and thinks that there should be some when there is disagreement with the MC. Mr. Butterklee asked if there was any consideration of recovery of overcharges in the Board's discussion. Mr. Rudebusch stated that the municipal utilities wanted to move the issue forward. Garry Brown stated that it might not be time well spent at the moment, in light of the human resource demands of the RTO process. He suggested the Committee revisit the issue at the October meeting.

Aaron Breidenbaugh asked about FERC's rejection of the ISO-NE standard market design, given their RTO direction. Mr. Museler replied that he had not gotten a clear signal from FERC on the standard market design, although staff thinks that design improvements to the current models ought to go forward.

Mr. Museler noted that the Board will not try to stop the RTO process, but is still considering its options on rehearing. The Board is mindful that the NYISO operates in a shared governance environment. Some Market Participants were concerned that there might not be consultation with the MC pending a possible Board filing. Other aspects of the MC discussion touched on legal issues: The threshold issue for the need for a rehearing is due to FERC's rejection of the NYISO's filing and the need to preserve the right to appeal.

Some Market Participants raised a question about informing participants who were being mitigated. Jim Savitt responded that such notification does take place, but he also recognized that there needs to be a process for designating a person to be informed. In response to a question from Mr. Picardi, Mr. Savitt clarified how mitigation works in real-time in the context of price reservations. He underscored the fact that mitigation goes only forward in time from its declaration. In real-time mitigation, some price interval corrections will reflect the application of mitigation from the time that it was imposed, to the time that mitigated bids are passed from BME to SCD.

There was a question about ISO best practices and whether there would be a committee process to articulate and advocate that. Mr. Museler replied that ISOs will have an important role in the best practices mediation and consensus in the RTO process. Mr. Breidenbaugh commented that since ISOs are the logical conduit, the MC should start thinking about a participation and voting process.

4. Use of Out-of-Merit Generation

Mr. Calimano presented some highlights of a slide handout describing the out-of-merit (OOM) process. The NYISO requests generation to be dispatched OOM when SCD actions are insufficient to solve operational requirements or constraints. Examples of such situations include spinning reserve deficiencies following a reserve pickup, the presence of a transmission constraint when on-dispatch units are off of their basepoints, or a situation in which there is insufficient SCD redispatch response. Transmission owners (TOs) request that that generation be dispatched out of merit to meet local TO operational requirements not addressed by ISO.

In response to concerns expressed by Market Participants over the past months, the NYISO has implemented a number of requirements on TOs requesting OOM generation. New reporting requirements include the identification of specific constraints, and whether they are requesting OOM for NOx 24-hour averaging requirements. New NYISO/TO procedures call for limiting OOM requests to 50 MW incremental blocks. In addition, the NYISO will implement a new transmission interface in SCD to secure the NY 138kV load pocket, reducing Con Edison's need to use OOM generation to secure the pocket. Other appropriate system improvements will also be considered to assure DAM/BME/RT consistency.

Mr. Calimano responded to a question about uplift by noting that the allocation remains a function of who calls the OOM.

Mr. Calimano next presented a review of July 24-25 prices. The summary explanation is that SCD has access to more capacity than does BME, partially due to BME solving for constraints that SCD does not.

There were a number of specific circumstances that would push BME prices high during periods of shortage. First, BME secures for forecasted peak for the operating hour under consideration; second, BME secures for 1,800 MW of reserves and required regulation. One of the consequences of BME securing for reserves is that it will schedule expensive internal and external energy resources so that other internal NYCA resources are backed down for reserves. If reserve requirements still cannot be met, then the high cost of violating the reserve requirement constraint manifests itself as a high BME price.

On the days in question there were high export loads, but some transactions were cut after BME for ramp and emergency requirements. These actions would also have the effect of providing SCD with effective capacity that was unavailable to BME. Market Participants expressed major concerns that if the NYISO was backing down exports, then real-time prices should have been rising to reflect increased internal load being served.

Some questions from Market Participants focused on ECA-B. There was some confusion in the questions about reserves needs and external transactions scheduling under congestion. Mr. Thompson responded that if proxy prices are not the result of constraints, then settlement is at the real-time price. Mr. Hartshorn elaborated on the explanation, pointing out that the high BME prices were resulting from reserve shortages rather than from congestion. There was a question of whether the BME reserve issue might be addressed analogously to ECA-B. Mr. Reed assigned it to BIC and the relevant committee. Mr. Bush offered the thought that SCD should be able to solve for the appropriate level of reserves. Mr. Brown said that he would assign the issue to S&P. He and others asked if the NYISO would consider using its TEP/ECA authority to fix the situation. Mr. Museler took as an ACTION ITEM the request to consider whether the use of TEP/ECA authority is appropriate to address the issue immediately.

Mr. Scheiderich offered as a final thought on this issue that at one point in the ECA-B discussions the task force had considered the use of BME as a settlement tool all of the time, not just during congestion. Mr. Younger noted that the issue of the drivers of BME prices is different from the generic BME/SCD concerns.

Mr. Calimano concluded the presentation with the observation that there are some units that (by tariff) do not set real-time prices, for example, off-dispatch units, external units with BME schedules, and OOM units.

He noted that on 25 July the real-time market was much tighter than the real-time market on 24 July, although BME conditions were similar. The weather-adjusted peak was 30,500 MW. Because downstate and upstate peaked on different days, the peaks were fairly close – 29,508 MW on 24 July, and 29,617 MW on 25 July.

5. Proposal to amend tariffs to revise time period within which bills may be challenged

Ms. Lampi presented the motion. After the motion was presented and seconded, there was a brief discussion on appropriate terminology.

Motion #3:

The Management Committee requests that the NYISO Board make a Section 205 filing to revise the time period within which bills may be challenged, such that the right to challenge the accuracy of Settlement information is limited to (12) months from the date on which a final billing invoice is issued. The language for the Tariff filing shall reflect discussion and amendments made at the August 2, 2001 Management Committee Meeting. It is further requested that the Accounting & Billing Manual address what criteria determine an invoice is "final," after consultation with the BAWG.

(Motion passed unanimously by a show of hands)

6. Tariff amendment re: default bids

Mr. Thompson presented and explained this motion. The objective of the motion is to clarify the language in several places in the tariff addressing the default decremental bid. Mr. Thompson recapped the current tariff, stating that decremental bids have been and continue to be required for all import and wheel-throughs. He explained further that default bids are utilized for ranking export transactions in IS+ for curtailment purposes. Upon the appropriate approvals, Sink Price Cap Bids will replace the use of default decremental bids in IS+ for determining the rank order of curtailments.

Motion #4:

Motion to modify tariff to remove existing incorrect references to default decremental bids, to become effective simultaneously with, or shortly after, approval of use of sink price cap bids.

(Motion passed by a majority show of hands)

7. Report on tariff preparation for Multi-hour block transactions

Mr. Thompson gave a brief recap of the substance of a key issue that the task force had resolved in the development of the multi-hour block transaction software. The software itself in the MIS must incorporate the necessary bid parameters to define the block transaction. In SCUC, transactions with effective cost greater than the bid cap in the hours in which the capacity is needed will not be scheduled to meet forecast load. In committing resources to meet forecast load SCUC will reject imports not committed in Pass One if for the hours they are economic, their effective cost exceeds the bid cap. The intent of this adjustment is to prevent SCUC from being forced to take a bid that is fundamentally uneconomic but that shows as economic for a small number of hours.

Motion #5:

The Management Committee requests the NYISO Board to concur in a Section 205 filing to implement the capability to schedule multi-hour block transactions, as discussed at the Management Committee meeting of August 2, 2001. Final tariff language to be reviewed by the Chairs and Vice Chairs of the Management and Business Issues Committees in consultation with the members of the Market Structures Working group.

(Motion passed by a majority show of hands)

8. Discussion of Project Priority Team Report

John Hickey recapped the basic Project Priority Team process. The team identified anchor projects. It identified seams issues, then strategic initiatives – in support of the anchor projects and the seams/performance projects. There is a schedule of the projects in the handout materials.

Mr. Scheiderich asked about the TCC on-line auction automation. He was concerned that it was being pushed out. Mr. Museler replied that in fact that project has been pulled in and moved forward, due to some shuffling of projects that might conflict with RTO outcomes.

Mr. Hickey commented that outsourcing development will not help the schedule because of the need for NYISO subject matter experts to guide the projects.

Finally, Mr. Hickey reviewed the process for updating the list and adding new projects.

9. Report on tariff preparations for Virtual Bidding

Mr. Thompson provided a quick summary of the status of the Virtual Bidding project. He noted that the technical requirements are well defined and have been discussed thoroughly, and that tariff changes have drafted. While he sees no major issues, he noted that approval of tariff language is needed. One of the changes to the existing tariff language is an update of the bid price to recognize that virtual supply is a service.

Some discussion ensued after the motion was made and seconded. Mr. Thompson noted that if IS finds problems in the testing process, they will delay implementation until they are satisfied that it is working properly. Mr. Museler promised a report at six months, and more frequently as appropriate. He noted that the Board wants to file before Labor Day in order to be able to implement Virtual Bidding by 1 November.

Mr. Younger raised a question about the timing of the Schedule 1 changes. He wanted to know if a delay in Virtual Bidding would delay the Schedule1 changes. Mr. Thompson said that the NYISO would look at the question. He promised to clarify how the virtual bids of real suppliers will be distinguished from those of virtual bidders.

Motion #6:

The Management Committee requests the NYISO Board to concur in a Section 205 filing to implement virtual bidding, as discussed at the Management Committee meeting of August 2, 2001, provided however:

1) the NYISO and Market Participants shall jointly create a consensus credit policy with respect to virtual bidding for implementation by November 1. In the event that such a jointly created policy is unavailable for the implementation of virtual bidding by November 1, 2001, the NYISO Board in consultation with NYISO staff shall create and implement an interim credit policy with regard to Virtual Bidding for implementation with virtual bidding by November 1, 2001;

- 2) and provided further that the NYISO's Market Monitoring and Performance unit shall report on mitigation measures applicable to virtual bidding and shall propose revisions that may be necessary in its Market Monitoring Plan to be effective as of the implementation date of virtual bidding.
- 3) Final tariff language to be reviewed by the Chairs and Vice Chairs of the Management and Business Issues Committees in consultation with the members of the Market Structures Working Group.

(Motion passed by a majority show of hands)

10. Report on Extraordinary Authority Provisions and Bid Cap Extension

Mr. Fernandez reported on the NYISO's desire to extend the Bid Cap. He noted that little has changed to warrant taking the cap away. There is virtually no new supply or transmission. The position of the NYISO is that the Bid Cap acts as a safety net, and still exists in PJM (permanent) and in ISO-NE (temporary). The Motion was made and seconded to extend the bid cap to 30 April 2002.

Mr. Brown asked if the NYISO had looked at limiting the cap to a shorter period. Mr. Fernandez replied that the NYISO had not considered a shorter period.

Motion #7:

Motion to extend the \$1000 Bid Cap to April 30, 2002. The Management Committee requests the NYISO Board to concur in a Section 205 filing to extend the \$1000 bid cap until April 30, 2002.

(Motion passed with 65.71 % affirmative votes)

Mr. Fernandez next addressed the issue of TEP authority. He summarized the original intent of the TEPs by noting that they were designed to address market design flaws quickly. They may address either price or reliability issues resulting from the design of the markets. He stated that they are not designed as a mitigation tool. The NYISO has recognizes that it continues to get unintended consequences of the current design. With Price Responsive Load expanding and Virtual Bidding yet to come, there may be further consequences. In response to a follow-up question from an earlier discussion, Mr. Fernandez underscored the fact that the NYISO will address the BME/SCD/Reserves issue quickly.

The Motion was made and seconded.

John Reese asked if the NYISO has looked at what permanent tools it has in this area. Mr. Fernandez answered that the NYISO has considered a permanent fix. However, given the RTO process, it was thought that an extension would be the simplest route

Motion #8:

Motion to extend the Temporary Extraordinary Procedures Authority. The Management Committee requests the NYISO Board to concur in a Section 205 filing to extend the Temporary Extraordinary Procedures until April 30, 2002. (Motion passed with 64.79 % affirmative votes)

11. New Business

MC members were requested to reserve time for a conference call on 17 August at 9:30 to vote on a credit policy.

Sector input on the RTO

Paul Gioia, representing the TOs, stated that they appreciate that the NYISO wants to preserve its rights to file a response, and they have no objections to a filing. They would expect that a filing would not work against the FERC RTO policy, but would work constructively.

Peter Brown, representing Aquila in the Other Suppliers sector, noted that the filing was from the NYISO and the TOs. He said that for the Board to file without MC input is not consistent with governance process. The Generation Owners expect that Board would go forward constructively in the process.

Ad Hoc Users said that there is no reason to try to overturn the order, although NYISO should seek to protect itself.

The meeting was adjourned at 2:32 PM.

NYISO Management Committee Meeting

August 2, 2001

Desmond Hotel, Albany New York

MOTIONS FROM THE MEETING

Motion #1:

Motion to approve the Minutes of May 23, 2001 (Motion passed unanimously by a show of hands)

Motion #2:

Motion to approve the Minutes of July 12, 2001 (Motion passed unanimously by a show of hands)

Motion #3:

The Management Committee requests that the NYISO Board make a Section 205 filing to revise the time period within which bills may be challenged, such that the right to challenge the accuracy of Settlement information is limited to (12) months from the date on which a final billing invoice is issued. The language for the Tariff filing shall reflect discussion and amendments made at the August 2, 2001 Management Committee Meeting. It is further requested that the Accounting & Billing Manual address what criteria determine an invoice is "final," after consultation with the BAWG.

(Motion passed unanimously by a show of hands)

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(Motion passed by a majority show of hands)

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policy with regard to Virtual Bidding for implementation with virtual bidding by November 1,
2001;

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New York Independent System Operator - Committee Membership

Management Committee - August 2, 2001 - Meeting in Albany - Members Checked in Attendance

Organization	Sector	Representative	Proxy	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Guest
			rioxy			Aiternates	Alternates	Alternates	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	Jonathan Wallach	 ✓ Charles Kowalski Richard Miller 	Jeffrey Gerber				
Alcoa/Reynolds Metals Company	End Use - Large Consumers	Leonard Singer	Johan all Wallach	✓ Robert Loughney	Michael Mager				
Amerada Hess Corporation	End Use - Large Consumers	John Schultz		Mark Wilson	Michael DiBella	Greg Sticka			
ATCO Management Co.	End Use - Large Consumers	Peter DiCapua		Scott Petersen	✓ George Diamantopoulos Michael Mages	Steven Latargia			
IBM Corporation Occidental Chemical Corp.	End Use - Large Consumers End Use - Large Consumers	Leonard Singer Leonard Singer		 ✓ Robert Loughney ✓ Robert Loughney 	Michael Mager 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 Association for Energy Affordability, Inc.	End Use - Small Consumers End Use - Small Consumers	 ✓ Aaron Breidenbaugh ✓ David Hepinstall 		✓ Larry DeWitt					
Beth Israel Health Care System	End Use - Small Consumers	Catherine Luthin		John Dowling	Jennifer Kearney	✓ Tariq Niazi	Doug Elfner		
Building and Realty Institute	End Use - Small Consumers	Herb Rose	✓ Tariq Niazi	Jeff Hanley	Catherine Luthin	John Dowling	Jennifer Kearney		
Caithness Energy, L.L.C	End Use - Small Consumers	Daniel McBrearty		✓ Jack Feinstein					
Citizens Advisory Panel CNYC Inc. (Council of NY Coop & Condo)	End Use - Small Consumers End Use - Small Consumers	Gordian Raacke Herb Rose	✓ Tariq Niazi	 ✓ Larry DeWitt MaryAnn Rothman 	Catherine Luthin	John Dowling	Jennifer Kearney		
Columbia University	End Use - Small Consumers	Catherine Luthin	· rang Nazi	John Dowling	Jennifer Kearney	✓ Tariq Niazi	Doug Elfner		
Hudson River Energy Group	End Use - Small Consumers	Frank Radigan				·	3		
Mount Sinai Medical Center	End Use - Small Consumers	Catherine Luthin		John Dowling	Jennifer Kearney	✓ Tariq Niazi	Doug Elfner		
New York Energy Buyers Forum	End Use - Small Consumers	Catherine Luthin		John Dowling	Jennifer Kearney	 ✓ Tariq Niazi ✓ Tariq Niazi 	Doug Elfner		
New York Presbyterian Hospital New York University	End Use - Small Consumers End Use - Small Consumers	Catherine Luthin Catherine Luthin		John Dowling John Dowling	Jennifer Kearney Jennifer Kearney	✓ Tariq Niazi	Doug Elfner Doug Elfner		
Refined Sugars, Inc.	End Use - Small Consumers	John Gebhard		Paul Faia	Catherine Luthin	John Dowling	Jennifer Kearney		
William P. Short	End Use - Small Consumers	William Short	Roberto Denis	Marc Schaefer	Joe DeVito	✓ John Brodbeck	Ron Matlock	Paul Savage	
NY State Consumer Protection Board AES NY	End Use - State Agency Generation Owners	✓ Tariq Niazi✓ Christopher Wentlent		Doug Elfner Rick Santoroski					✓ Chuck Sjoberg
AES NY American National Power, Inc.	Generation Owners Generation Owners	Dorothy Capra		Bill Henson					- Criuck Sjoberg
CH Resources	Generation Owners	Gary Thorn		Gary Miller	Diane Seitz				
East Coast Power	Generation Owners	Gary Keevill		Asavari Alvarez					✓ Roy Shanker
Edison Mission Marketing & Trading	Generation Owners	✓ William Roberts		Robert Agnello	Jeff Ellis				
Entergy Nuclear Northeast	Generation Owners Generation Owners	Marc Potkin		✓ William Stone John Schrage	✓ Mark Younger				
Indeck Energy Services KeySpan Ravenswood, Inc	Generation Owners Generation Owners	Mike Ferguson Howard Kosel		John Schrage James Brennan	▼ Mark Younger Dick Ackerson	Ron Lukas	Terrence Kain	✓ James D'Andrea	
Mirant New York, Inc.	Generation Owners	✓ Joe Holtman		Mark Petro	✓ Doreen Saia				
NRG Energy	Generation Owners	Joe DeVito	✓ Frank Rapley	Paul Savage	Marc Dworkin	Ruben Brown	Peter Chamberlain	Keith O'Neal	
Orion Power New York	Generation Owners	Mark Sudbey Steve McDonald		✓ Janet Audunson Jeff Simmons	✓ John Reese				
PG&E Generating PSEG Energy Resources & Trade	Generation Owners Generation Owners	✓ James Hebson		Michael LaFalce					
Sithe Energies, Inc.	Generation Owners	✓ Tim Bush		✓ Garry Brown	✓ David Applebaum				✓ Glenn Haake
TransCanada Power Marketing	Generation Owners	William Taylor		Elaine Beaudry					
NYS Department of Public Service	Non-voting	Saul Rigberg		✓ Joel Brainard					✓ Howard Tarler
1st Rochdale Cooperative NYC Advantage Energy, Inc.	Other Suppliers Other Suppliers	Phyllis Kessler Kyle Storie		Gregory Wortham	Andrea Mendez				
Aquila Energy Marketing Corp.	Other Suppliers	Jason Stever		✓ Peter Brown	David Wiesner	Pamela VanHorn	Richard Mooney		
Automated Power Exchange (APX)	Other Suppliers	Gary Zielanski		Mike FitzPatrick					
Cinergy Capital and Trading	Other Suppliers	Walt Yeager		Jan Bagnall					
Cinergy Services Con Edison Energy	Other Suppliers Other Suppliers	Walt Yeager Ken Bekman		Jan Bagnall Ivan Kimball					
Con Edison Solutions	Other Suppliers Other Suppliers	Ken Bekman		✓ Stephen Wemple					
Conectiv	Other Suppliers	Steve Huntoon		Bill Fehr					
Constellation Power Source	Other Suppliers	✓ Harvey Reed		Glen McCartney	David Taylor				
Duke Energy North America, LLC Dynegy	Other Suppliers Other Suppliers	Ronald Matlock Chad Wagner		Del Disher ✓ Matthew Picardi	Tom Bankert				
El Paso Merchant Energy	Other Suppliers Other Suppliers	✓ Alan Foster		Eric Stoerr					
Energetix, Inc.	Other Suppliers	Barney Farnsworth							
Enron Power Marketing Inc.	Other Suppliers	Howard Fromer							
Exelon Generation - Power Team	Other Suppliers	Regina Carrado Roberto Denis		✓ Garry Brown Bill Fenerty	✓ David Applebaum	✓ Tim Bush	Jack Crowley		
FPL Energy HQ Energy Services	Other Suppliers Other Suppliers	Benoit Goyette		✓ Michel Prevost	Paul Norris	Joel Zipp	✓ Gunnar Birgisson		
KeySpan Energy Services	Other Suppliers	Ron Lukas		Ruben Brown	Peter Chamberlain	John Smith	3		
MEGA (Merchant Energy Group of the Ar		Joseph Limone		John Carmody	l				
Morgan Stanley Capital Group	Other Suppliers	Patrick Murray		Karen Kochonies	Levon Kazarian	✓ Doron Ezickson			
New Energy Inc. Niagara Mohawk Energy Marketing	Other Suppliers Other Suppliers	Peter Duprey ✓ Marc Overdyk		 Stephen Fernands Jim Cifaratta 					✓ Don Barker
NU / Select Energy	Other Suppliers	Gunnar Jorgensen		✓ James Scheiderich					
Ontario Power Generation Inc.	Other Suppliers	✓ Barry Green		Tasos Karatsoreos	Ken Lacivita				
PP&L Energy Plus PSEG Energy Technologies Inc.	Other Suppliers Other Suppliers	✓ John Brodbeck Patricia Esposito			Roger Dolan	Garreth Kirkner			
Sempra Energy Trading	Other Suppliers	Bill Winget		Dana Volpe	✓ Russel Like				
Strategic Energy LLC	Other Suppliers	3		Jeffrey Knox	James McCormick	Lisa Barton			
Strategic Power Management, Inc.	Other Suppliers	Dan Duthie		✓ Mario DiValentino					
TransÉnergie U.S. Ltd. Williams Energy Marketing & Trading Co.	Other Suppliers Other Suppliers	José Rotger Dennis Keener		Michael Jacobs Robert O'Connell					
Long Island Power Authority	Public Power - Authorities	✓ Jim Parmelee		Seth Hulkower	Alan Elberfield				
New York Power Authority	Public Power - Authorities	✓ Robert Hiney		✓ William Palazzo	Kim Byham				
American Wind Energy Association	Public Power - Environmental	David Wooley		✓ Larry DeWitt					
Environmental Advocates Nat'l Resources Defense Council	Public Power - Environmental Public Power - Environmental	Anne Reynolds Dale Bryk		✓ Larry DeWitt ✓ Larry DeWitt					
Pace University	Public Power - Environmental Public Power - Environmental	Edward Smeloff		✓ Larry DeWitt					
Scenic Hudson	Public Power - Environmental	✓ Larry DeWitt							
Bath Electric, Gas & Water Systems	Public Power - Munis & Co-ops	Neil Wrinkle	✓ Tom Rudebusch	✓ Paul Pallas	Jim Hamilton	Jack Brown	Ken Moore		
City of Jamestown Board of Pub. Util.	Public Power - Munis & Co-ops	✓ Michael Darroch		Wally Haase ✓ Paul Pallas	✓ Tom Rudebusch ✓ Tom Rudebusch				
Plattsburgh Municipal Lighting Dept. Village of Fairport	Public Power - Munis & Co-ops Public Power - Munis & Co-ops	Jack Brown Ken Moore		 ✓ Paul Pallas ✓ Tom Rudebusch 	✓ Tom Rudebusch ✓ Paul Pallas				
Village of Freeport	Public Power - Munis & Co-ops Public Power - Munis & Co-ops	✓ Hubert Bianco		Robert Kortright					
Village of Rockville Centre	Public Power - Munis & Co-ops	✓ Paul Pallas	✓ Tom Rudebusch	Jim Hamilton	Jack Brown	Ken Moore	Neil Wrinkle		
Village of Westfield	Public Power - Munis & Co-ops	Jim Hamilton	✓ Tom Rudebusch	✓ Paul Pallas	Neil Wrinkle	Jack Brown	Ken Moore		
Central Hudson Gas & Electric Consolidated Edison	Transmission Owners Transmission Owners	 ✓ Charles Freni Robert Saya 	✓ Neil Butterklee	John Watzka Joseph Oates	Ronald Brand Bill Jaeger				✓ Mayer Sasson
Niagara Mohawk Power Company	Transmission Owners	✓ Clement Nadeau	THOSE DESCRIPTION	✓ Jerry Ancona	Martin Amati				 ✓ H. Schrayshuen
NY State Electric Gas (NYSEG)	Transmission Owners	Denis Wickham	David Kimiecik(BIC)	Raymond Kinney	✓ Hank Masti				✓ Paul Gioia
Orange & Rockland, Inc.	Transmission Owners	Phil Nannery		1					
Rochester Gas & Electric New Member	Transmission Owners Non-voting	✓ Clifton Olson		Laurie King-Pirchner					
New Member	Non-voting								
<u> </u>		+		+			·		

New York Independent System Operator - Committee Membership

Management Committee - August 2, 2001 - Meeting in Albany - Members Checked in Attendance

Organization	Sector	Representative	Proxy	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Guest
YISO and Hunton & Willia	I ams Members in Attendance:	I		I	I	ı	ļ	ı	l
Ira Freilicher	Hunton & Williams								
Kathy Robb	Hunton & Williams								
✓ James Schmidt	Hunton & Williams								
Rob Fernandez	NYISO								
✓ Brad Kranz	NYISO								
Kristen Kranz	NYISO								
Jonathan Mayo	NYISO								
Bill Museler	NYISO								
Leigh Bullock	NYISO								
/ Dan Didio	NYISO								
✓ Jane Lathrop	NYISO								
Mollie Lampi	NYISO								
Elaine Robinson	NYISO								
Belinda Thornton	NYISO								
✓ Andy Ragogna	NYISO								
Bob Ricketts	NYISO								
Mike Calimano	NYISO								
✓ Andy Hartshorn	Navigant								

New York Independent System Operator Management Committee - August 2, 2001

Motion: Motion #7

Result: Motion Passed

Sector with base percent	%	Active	Quorum	Adj. Percent	For	Against	Abstain	% For	% Against
Generation Owners	21.5	✓	✓	21.50	1.00	6.00	2	3.07	18.43
Other Suppliers	21.5	✓	✓	21.50	3.00	7.00	2	6.45	15.05
Transmission Owners	20.0	✓	✓	20.00	5.00	0.00	0	20.00	0.00
End Use Consumers			✓						
Large Consumers	9.0	✓		9.00	6.00	0.00	0	9.00	0.00
Large Cons. Gov. Agency	2.0	✓		2.00	1.00	0.00	0	2.00	0.00
Small Consumers	4.5	✓		4.50	10.00	1.00	2	4.09	0.41
Gov. State-wide Cons. Advocate	2.7	✓		2.70	1.00	0.00	0	2.70	0.00
Gov. Sm. Cons. & Retail Aggr.	1.8	✓		1.80	2.00	0.00	0	1.80	0.00
Public Power			✓						
State Power Authorities	8	✓		8.00	2.00	0.00	0	8.00	0.00
Munis and Coops	7	✓		7.00	7.00	0.00	0	7.00	0.00
Environmental	2	✓		2.00	4.00	1.00	0	1.60	0.40
			5	100.00	42.00	15.00	6	65.71	34.29
					.2.00				
				100.00 No	ormalized t	to 100% :		65.71	34.29

New York Independent System Operator

Management Committee - August 2, 2001

Motion Motion #7

Sector	Organization	Representative	Affiliate	Present	For	Against
End Use - Gov. Agency/Aggr.	NYS Energy Research & Develop. Auth.	Charles Kowalski		У	1.00	
End Use - Gov. Agency/Aggr.	The City of New York	Jay Kooper		У	1.00	
End Use - Large Consumers	Alcoa/Reynolds Metals Company	Robert Loughney		У	1.00	
End Use - Large Consumers End Use - Large Consumers	Amerada Hess Corporation ATCO Management Co.	George Diamantopou		у	1.00	
End Use - Large Consumers	IBM Corporation	Robert Loughney		у	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		ý	1.00	
End Use - Large Cons. Gov.	Metropolitan Transportation Authority	Jesse Samberg		у	1.00	
End Use - Small Consumers	Aaron Breidenbaugh	Aaron Breidenbaugh		У		
End Use - Small Consumers	Association for Energy Affordability, Inc.	David Hepinstall		у	1.00	
End Use - Small Consumers	Beth Israel Health Care System	Tariq Niazi		у	1.00	
End Use - Small Consumers	Building and Realty Institute	Tariq Niazi		у	1.00	
End Use - Small Consumers	Caithness Energy, L.L.C	Jack Feinstein		У		
End Use - Small Consumers	Citizens Advisory Panel	Larry DeWitt		У	1.00	
End Use - Small Consumers End Use - Small Consumers	CNYC Inc. (Council of NY Coop & Condo) Columbia University	Tariq Niazi		У	1.00	-
End Use - Small Consumers	Hudson River Energy Group	Tariq Niazi		У	1.00	
End Use - Small Consumers	Mount Sinai Medical Center	Tariq Niazi		у	1.00	-
End Use - Small Consumers	New York Energy Buyers Forum	Tariq Niazi		V	1.00	-
End Use - Small Consumers	New York Presbyterian Hospital	Tariq Niazi		y	1.00	
End Use - Small Consumers	New York University	Tariq Niazi		у	1.00	
End Use - Small Consumers	Refined Sugars, Inc.					
End Use - Small Consumers	William P. Short	John Brodbeck		у		1.00
End Use - State Agency	NY State Consumer Protection Board	Tariq Niazi		У	1.00	
Generation Owners	AES NY	Christopher Wentlent		у	1.00	
Generation Owners	American National Power, Inc.					
Generation Owners	CH Resources		у			
Generation Owners	East Coast Power	William Date	у			4.00
Generation Owners	Edison Mission Marketing & Trading	William Roberts William Stone		У		1.00
Generation Owners Generation Owners	Entergy Nuclear Northeast Indeck Energy Services			У		
Generation Owners Generation Owners	Indeck Energy Services KeySpan Ravenswood, Inc	Mark Younger James D'Andrea		y y		1.00
Generation Owners	Mirant New York, Inc.	Joe Holtman		у		
Generation Owners	NRG Energy	Frank Rapley		y		1.00
Generation Owners	Orion Power New York	Janet Audunson		y		1.00
Generation Owners	PG&E Generating			,		
Generation Owners	PSEG Energy Resources & Trade	James Hebson		у		1.00
Generation Owners	Sithe Energies, Inc.	Tim Bush	у	у		
Generation Owners	TransCanada Power Marketing					
Non-voting	NYS Department of Public Service	Joel Brainard	у	У		
Other Suppliers	1st Rochdale Cooperative NYC					
Other Suppliers	Advantage Energy, Inc.					
Other Suppliers	Aquila Energy Marketing Corp.	Peter Brown		У		1.00
Other Suppliers	Automated Power Exchange (APX)					
Other Suppliers	Cinergy Capital and Trading		у			
Other Suppliers Other Suppliers	Cinergy Services Con Edison Energy		у			
Other Suppliers	Con Edison Solutions	Stephen Wemple	V	V		
Other Suppliers	Conectiv	Otephen Wemple	,	y		
Other Suppliers	Constellation Power Source	Harvey Reed		V		
Other Suppliers	Duke Energy North America, LLC					
Other Suppliers	Dynegy	Matthew Picardi		у		1.00
Other Suppliers	El Paso Merchant Energy	Alan Foster		у		
Other Suppliers	Energetix, Inc.		у			
Other Suppliers	Enron Power Marketing Inc.					
Other Suppliers	Exelon Generation - Power Team	Garry Brown		У	1.00	
Other Suppliers	FPL Energy	Michal Drayant				1.00
Other Suppliers	HQ Energy Services	Michel Prevost		У		1.00
Other Suppliers Other Suppliers	KeySpan Energy Services MEGA (Merchant Energy Group of the Ame	ri	у			
Other Suppliers	Morgan Stanley Capital Group	Doron Ezickson		٧		1.00
Other Suppliers Other Suppliers	New Energy Inc.	Stephen Fernands	у	y		7.00
Other Suppliers	Niagara Mohawk Energy Marketing	Marc Overdyk	у	y		
Other Suppliers	NU / Select Energy	James Scheiderich	,	y	1.00	
Other Suppliers	Ontario Power Generation Inc.	Barry Green		y		1.00
Other Suppliers	PP&L Energy Plus	John Brodbeck		у		1.00
Other Suppliers	PSEG Energy Technologies Inc.					
Other Suppliers	Sempra Energy Trading	Russel Like		у		1.00
Other Suppliers	Strategic Energy LLC	Maria Port			4.00	
Other Suppliers	Strategic Power Management, Inc. TransÉnergie U.S. Ltd.	Mario DiValentino		У	1.00	
Other Suppliers	Williams Energy Marketing & Trading Co.		у			
Other Suppliers Public Power - Authorities	Long Island Power Authority	Jim Parmelee		У	1.00	
Public Power - Authorities	New York Power Authority	Robert Hiney		у	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	Nat'l Resources Defense Council	Larry DeWitt		у		1.00
Public Power - Environmental	Pace University	Larry DeWitt		у	1.00	
Public Power - Environmental	Scenic Hudson	Larry DeWitt		У	1.00	
Public Power - Munis & Co-ops	Bath Electric, Gas & Water Systems	Paul Pallas		у	1.00	
Public Power - Munis & Co-ops	City of Jamestown Board of Pub. Util.	Michael Darroch		У	1.00	
Public Power - Munis & Co-ops	Plattsburgh Municipal Lighting Dept.	Paul Pallas		у	1.00	
Public Power - Munis & Co-ops	Village of Fairport	Paul Pallas		У	1.00	
Public Power - Munis & Co-ops	Village of Peologilla Contro	Hubert Bianco		у	1.00	
Public Power - Munis & Co-ops	Village of Rockville Centre	Paul Pallas		У	1.00	
Public Power - Munis & Co-ops Transmission Owners	Village of Westfield Central Hudson Gas & Electric	Paul Pallas Charles Freni		У	1.00	
Transmission Owners	Consolidated Edison	Neil Butterklee		y y	1.00	
Transmission Owners	Niagara Mohawk Power Company	Clement Nadeau		V	1.00	
Transmission Owners	NY State Electric Gas (NYSEG)	Hank Masti		у	1.00	
Transmission Owners	Orange & Rockland, Inc.		у	,		
Transmission Owners	Rochester Gas & Electric	Clifton Olson		у	1.00	
Non-voting	New Member					
Ttorr Totalig						
Non-voting	New Member					

New York Independent System Operator Management Committee - August 2, 2001

Motion: Motion #8

Result: Motion Passed

Sector with base percent	%	Active	Quorum	Adj. Percent	For	Against	Abstain	% For	% Against
Generation Owners	21.5	✓	✓	21.50	0.00	4.00	5	0.00	21.50
Other Suppliers	21.5	✓	✓	21.50	2.00	3.00	7	8.60	12.90
Transmission Owners	20.0	✓	✓	20.00	5.00	0.00	0	20.00	0.00
End Use Consumers			✓						
Large Consumers	9.0	✓		9.00	6.00	0.00	0	9.00	0.00
Large Cons. Gov. Agency	2.0	✓		2.00	1.00	0.00	0	2.00	0.00
Small Consumers	4.5	✓		4.50	10.00	1.00	2	4.09	0.41
Gov. State-wide Cons. Advocate	2.7	✓		2.70	1.00	0.00	0	2.70	0.00
Gov. Sm. Cons. & Retail Aggr.	1.8	✓		1.80	2.00	0.00	0	1.80	0.00
Public Power			✓						
State Power Authorities	8	✓		8.00	2.00	0.00	0	8.00	0.00
Munis and Coops	7	✓		7.00	7.00	0.00	0	7.00	0.00
Environmental	2	✓		2.00	4.00	1.00	0	1.60	0.40
			5	100.00	40.00	9.00	14	64.79	35.21
				100.00 No	ormalized t	o 100% :		64.79	35.21

New York Independent System Operator

Management Committee - August 2, 2001

Motion Motion #8

Sector	Organization	Representative	Affiliate	Present	For	Against
End Use - Gov. Agency/Aggr.	NYS Energy Research & Develop. Auth.	Charles Kowalski		у	1.00	
End Use - Gov. Agency/Aggr.	The City of New York	Jay Kooper		у	1.00	
End Use - Large Consumers	Alcoa/Reynolds Metals Company	Robert Loughney		У	1.00	
End Use - Large Consumers	Amerada Hess Corporation	0 5:			4.00	
End Use - Large Consumers	ATCO Management Co.	George Diamantopou		У	1.00	
End Use - Large Consumers	IBM Corporation Occidental Chemical Corp.	Robert Loughney Robert Loughney		У	1.00	
End Use - Large Consumers End Use - Large Consumers	•	Robert Loughney Robert Loughney		У	1.00	-
End Use - Large Consumers	Praxair Inc. Xerox Corporation	Robert Loughney Robert Loughney		y y	1.00	
End Use - Large Cons. Gov.	Metropolitan Transportation Authority	Jesse Samberg		у	1.00	
End Use - Small Consumers	Aaron Breidenbaugh	Aaron Breidenbaugh		y	1.00	
End Use - Small Consumers	Association for Energy Affordability, Inc.	David Hepinstall		V	1.00	
End Use - Small Consumers	Beth Israel Health Care System	Tariq Niazi		у	1.00	
End Use - Small Consumers	Building and Realty Institute	Tariq Niazi		У	1.00	
End Use - Small Consumers	Caithness Energy, L.L.C	Jack Feinstein		у		
End Use - Small Consumers	Citizens Advisory Panel	Larry DeWitt		У	1.00	
End Use - Small Consumers	CNYC Inc. (Council of NY Coop & Condo)	Tariq Niazi		у	1.00	
End Use - Small Consumers	Columbia University	Tariq Niazi		У	1.00	
End Use - Small Consumers	Hudson River Energy Group	- · · ·			4.00	
End Use - Small Consumers	Mount Sinai Medical Center	Tariq Niazi		У	1.00	
End Use - Small Consumers	New York Energy Buyers Forum	Tariq Niazi		У	1.00	
End Use - Small Consumers	New York Presbyterian Hospital	Tariq Niazi		У	1.00	
End Use - Small Consumers End Use - Small Consumers	New York University Refined Sugars, Inc.	Tariq Niazi		У	1.00	
End Use - Small Consumers	William P. Short	John Brodbeck		٧		1.00
End Use - State Agency	NY State Consumer Protection Board	Tariq Niazi		у	1.00	1.00
Generation Owners	AES NY	Christopher Wentlent		У	1.00	
Generation Owners	American National Power, Inc.			,		
Generation Owners	CH Resources		у			
Generation Owners	East Coast Power		у			
Generation Owners	Edison Mission Marketing & Trading	William Roberts		у		1.00
Generation Owners	Entergy Nuclear Northeast	William Stone		У		
Generation Owners	Indeck Energy Services	Mark Younger		у		1.00
Generation Owners	KeySpan Ravenswood, Inc	James D'Andrea		У		
Generation Owners	Mirant New York, Inc.	Joe Holtman		У		
Generation Owners	NRG Energy	Frank Rapley		У		1.00
Generation Owners	Orion Power New York	Janet Audunson		У		
Generation Owners Generation Owners	PG&E Generating PSEG Energy Resources & Trade	James Hebson		у		1.00
Generation Owners	Sithe Energies, Inc.	Tim Bush	у	у		1.00
Generation Owners	TransCanada Power Marketing	Tilli Dusii	y	У		-
Non-voting	NYS Department of Public Service	Joel Brainard	у	V		
Other Suppliers	1st Rochdale Cooperative NYC		,			
Other Suppliers	Advantage Energy, Inc.					
Other Suppliers	Aquila Energy Marketing Corp.	Peter Brown		у		1.00
Other Suppliers	Automated Power Exchange (APX)					
Other Suppliers	Cinergy Capital and Trading		у			
Other Suppliers	Cinergy Services					
Other Suppliers	Con Edison Energy		у			
Other Suppliers	Con Edison Solutions	Stephen Wemple	у	у		\longrightarrow
Other Suppliers	Conectiv	Harris Band				
Other Suppliers Other Suppliers	Constellation Power Source Duke Energy North America, LLC	Harvey Reed		У		-
Other Suppliers Other Suppliers	Dynegy Dynegy	Matthew Picardi		у		
Other Suppliers	El Paso Merchant Energy	Alan Foster		V		-
Other Suppliers	Energetix, Inc.	Aldi i Ostoi	у	y		
Other Suppliers	Enron Power Marketing Inc.		,			
Other Suppliers	Exelon Generation - Power Team	Garry Brown		у		
Other Suppliers	FPL Energy					
Other Suppliers	HQ Energy Services	Michel Prevost		У		
Other Suppliers	KeySpan Energy Services		у			
Other Suppliers	MEGA (Merchant Energy Group of the Ame					
Other Suppliers	Morgan Stanley Capital Group	Doron Ezickson		у		1.00
Other Suppliers	New Energy Inc.	Stephen Fernands	у	У		
Other Suppliers Other Suppliers	Niagara Mohawk Energy Marketing NU / Select Energy	Marc Overdyk James Scheiderich	у	У	1.00	
Other Suppliers Other Suppliers	Ontario Power Generation Inc.	Barry Green		y y	1.00	
Other Suppliers Other Suppliers	PP&L Energy Plus	John Brodbeck		y		1.00
Other Suppliers	PSEG Energy Technologies Inc.			,		
Other Suppliers	Sempra Energy Trading	Russel Like		у		
Other Suppliers	Strategic Energy LLC					
Other Suppliers	Strategic Power Management, Inc.	Mario DiValentino		у	1.00	
Other Suppliers	TransÉnergie U.S. Ltd.		у			
Other Suppliers	Williams Energy Marketing & Trading Co.					
Public Power - Authorities	Long Island Power Authority	Jim Parmelee		У	1.00	
Public Power - Authorities	New York Power Authority	Robert Hiney		у	1.00	
Public Power - Environmental	American Wind Energy Association	Larry DeWitt		У	1.00	
Public Power - Environmental Public Power - Environmental	Environmental Advocates Nat'l Resources Defense Council	Larry DeWitt Larry DeWitt		У	1.00	1.00
Public Power - Environmental	Pace University	Larry DeWitt		y	1.00	1.00
Public Power - Environmental Public Power - Environmental	Scenic Hudson	Larry DeWitt		y	1.00	-
Public Power - Munis & Co-ops	Bath Electric, Gas & Water Systems	Tom Rudebusch		у	1.00	
Public Power - Munis & Co-ops	City of Jamestown Board of Pub. Util.	Michael Darroch		y	1.00	
Public Power - Munis & Co-ops	Plattsburgh Municipal Lighting Dept.	Paul Pallas		у	1.00	
Public Power - Munis & Co-ops	Village of Fairport	Tom Rudebusch		у	1.00	
Public Power - Munis & Co-ops	Village of Freeport	Hubert Bianco		у	1.00	
Public Power - Munis & Co-ops	Village of Rockville Centre	Paul Pallas		у	1.00	
Public Power - Munis & Co-ops	Village of Westfield	Tom Rudebusch		у	1.00	
Transmission Owners	Central Hudson Gas & Electric	Charles Freni		у	1.00	
Transmission Owners	Consolidated Edison	Neil Butterklee		У	1.00	
Transmission Owners	Niagara Mohawk Power Company	Clement Nadeau		У	1.00	
Transmission Owners	NY State Electric Gas (NYSEG)	Hank Masti		У	1.00	
Transmission Own			у			
Transmission Owners	Orange & Rockland, Inc.	Clifton Oleon		v	1.00	
Transmission Owners	Rochester Gas & Electric	Clifton Olson		У	1.00	
		Clifton Olson	,	у	1.00	