

NYSRC Installed Capacity Subcommittee

Conference Call 14

September 20, 2002

9:30 a.m. – 3:00 p.m.

NYISO: Wash Ave Ext. Conference Room WD

Meeting Minutes

Attendees

Members/Alternates Present:

Mr. Curt Dahl (KeySpan/LIPA) – Chairman
Mr. Kevin Donnelly (Con Ed) – Secretary (Teleconference)
Mr. John Kobuskie (NYSEG)
Mr. Mark Cordeiro (Municipals)
Mr. Carl Courant (NYPA)
Mr. Larry Eng (NMPC)
Mr. Peter Chamberlain (Wholesale Sector)

Advisers/Non-member Participants Present:

Mr. Alan Adamson (Consultant)
Mr. Greg Drake (NYISO)
Mr. Frank Vitale (Consultant)
Mr. Ed Schrom (NYPSC)

Other interested Parties:

Mr. John Charlton
Mr. Phil Fedora (NPCC)
Mr. Bill Lamanna (NYISO)
Mr. Harry Joscher (PSEG)
Mr. Jerry Biner (PSEG)
Mr. Steve Whalen (NYSEG)
Mr. Reed Armstrong (Energy Marketers)
Mr. Glen McCartney (Constellation Power Source)
Mr. John Sung (Keyspan)
Mr. Lloyd Will (UBS Warburg Energy LLC)
Ms. Laurie King-Pircher (Rochester G&E)
Mr. Mark Younger
Mr. Matthew Mahoney (Hunton & Williams) (Teleconference)

Members/Non-members/Advisers Absent:

Mr. Art Desell (NYISO)
Mr. Michael Hogan (CHGE)

1. Finalized August 5, 2002 Meeting Minutes and Finalized September 4 Meeting Minutes.

2. Reviewed Previous Assignments.

Action Items will be covered in the body of the discussion.

3. 2003-04 IRM Study

3.1 Load Shape & Load Forecast Uncertainty Model

Action item 23-5 for a sensitivity case using the 1995 Load shape is still open. Action item 23-1 is still open to review if LIPA's uncertainty model can be incorporated into the model and to then run the model as a sensitivity case if it is possible.

3.2 Transmission /Transfer Limits

Bill Lamana provided a write-up summarizing the results of NYCA transfer limit review. Action Item 23-2 is completed.

PJM to NYC transfer limit was reviewed. With each of the lines, (A, B, C) rated at approximately 500 MW under normal conditions, the total interface is 1500 MW. The B and C lines can import up to 1,000 MW alone under any conditions, and the NY ISO model for the A line will be 0, or 350 MW if AK2 O/S or 500 MW if AK3 or Linden Cogeneration Plant O/S based on considering the bottleneck through Staten Island into NYC. The amount of transfer capability for the total interface is then 1,000 MW, or 1350 MW with AK2 O/S, or 1500 MW with AK3 or Linden Cogeneration Plant O/S.

The Transition matrix for the cable system into NYC will remain the same. The Con Edison review was completed and the results reported that the failure rate has remained the same as the previous study. Con Edison's action item 20-10 remains open until the write-up is completed for this task.

Discussed that the Transmission system is not explicitly modeled in MARS. Only transfer limits between zones and transition rates on the 13 Cable system entering NYC and the cable system entering Long Island. The 13-cable system model into NYC does account for failure rates for the cables, and any transformer or PARS on those particular cables. Industry standard data is used for expected failures on the transformers and PARS, and a failure-rate for the cables on a per-mile basis is calculated using the entire underground Con Edison system history since 1988. This provides a conservative transition rate for the cable interfaces into NYC.

Transformers, underground cables, overhead lines, etc. other than the 13 cable system into NYC or the 2 cable system into Long Island mentioned, including step up transformers used by each generator are not included in the MARS model. As part of future developments for modeling the NYCA system in MARS, including additional components such as step up transformers for generators, and major transmission transformers could increase the accuracy of the model. Expanding further to the other transmission system components was also mentioned but these improvements only provide limited benefits in the model.

Action Item 22-5 for refining Conn to LIPA tie was discussed in general. One option is to include the unit in Connecticut that may influence the transfer capability into Long Island. This item is still open.

3.3 EOP's

EOP's now include a step for SCR's and a step for EDRP. Action item 22-2 is closed. The effect of modeling as an EOP was shown on the results page. This reflects how both of these programs actually work.

3.4 Generation Modeling

Planned Outages

Bob Boyle updated the 2003 scheduled maintenance after receiving the September filings from generators for maintenance schedule.

Maintenance Outages

Splinter group reviewed Unscheduled Forced Outages and unscheduled maintenance outages.

They verify how much capacity was out on unscheduled maintenance in the summer, Action Item 22-3 is closed. The added additional action item 23- 3 to develop comparison chart of a selected week for unscheduled maintenance was also completed.

Ambient de-rates were reviewed, per action item 22-4. Most of the new units added in NYC and LI are LM-6000, 2 unit sites, which are limited to 79.9 MW per site. The actual capability of each unit is 44-47 MW, totaling 88-94 MW per site. Therefore the ambient de-rate does not effect these sites. Item 22-4 is completed.

3.5 External ICAP Modeling

Plan to start with Grand-fathered contracts and then add expected contracts.

Action item 23-4 was closed, M Cordeiro provide information regarding expected use for 2003 from NE.

3.6 Draft Results

Mr. Drake reviewed Draft results.

3.7 Report Body, Appendix A and Appendix B

The first draft of Appendix A was reviewed and comments provided to Mr. Vitale.

Mr. Adamson provided the first draft of the report body and appendix B.

3.8 Schedule

Draft Report and MARS runs on target for Nov EC issuance.

4. Committee Reports

4.1 NYISO ICAP WG Report - Charlton

Nothing new reported except for ICAP UCAP translation issue scheduled for next week to review.

5. Other Business

ICAP /UCAP Translation Issue

Brief overview to set up meeting for September 24, 2002 to discuss this issue.

7. Review Action Items

8. Next Meeting

9/24/02

9:30AM

Secretary: Kevin Donnelly

New York State Reliability Council - Installed Capacity Subcommittee

Action Items List

[Bold date denotes Action Item has been completed]

No	Action Item	Responsible Individual(s)	Sched./Actual Comp. Dates
20-1	Prepare list of new generators due for 2003 Summer.	G. Drake	7/9/02
20-2	Develop transitional model for 10 NYC & Brentwood LM-6000 units.	Splinter Group	7/9/02
20-3	Analyze load shape model options.	J. Pade	7/9/02
20-4	Develop updated NYCA transmission limits.	W. Lamanna	9/04/02
20-5	Prepare letter to the EC on adequacy of existing Reliability Rules for covering deliverability requirements.	C. Dahl/A. Adamson	7/5/02
20-6	Prepare white paper to document results of Deliverability Study, Task 1.	C. Dahl/A. Adamson	7/9/02
20-7	Prepare ICS work scope.	C. Dahl/A. Adamson	7/5/02
20-8	Prepare ICS conclusion on resource adequacy LOLE criterion and send to the EC.	C. Dahl/A. Adamson	7/5/02
20-9	Update MARS model.	R. Boyle/G. Drake	7/9/02
20-10	Review status of Con Ed cable transition rate update.	K. Donnelly	9/13/02
21-1	Provide Details of EOP's	G. Drake	8/5/02
21-2	Drought conditions still in effect in Southern NY, are there any Power Plant water restrictions	K. Donnelly	8/5/02
21-3	Provide more details about summer 1998, including peak periods	J. Pade	9/4/02
21-4	Load Uncertainty model used by LIPA.	C. Dahl	8/5/02
21-5	Voltage reduction procedure that Con Ed uses for 8% reduction, not incorporated	K. Donnelly	8/5/02
22-1	Load Uncertainty review by NYISO	J. Pade	9/4/02
22-2	EDRP and SCR's modeled in EOP's	Splinter Group	9/04/02
22-3	Maintenance Modeling and EFORD comparison	Splinter Group	9/04/02
22-4	Ambient Derates Updated	Splinter Group	9/04/02
22-5	Review Possibility of updating existing Conn to LI tie	Splinter Group	9/04/02
23-1	LIPA Uncertainty Model incorporated as a sensitivity run	J. Pade	9/20/02
23-2	Write-up on Transfer Limits within NYCA	B. Lamana	9/20/02
23-3	Develop comparison chart of a selected week	Splinter Group	9/20/02
23-4	Provide NE external ICAP import information.	M Cordiero	9/20/02
23-5	Sensitivity case for 1995 Load Shape	G Drake	9/20/02