

**NYSRC ICAP WORKING GROUP MEETING MINUTES**  
**Meeting #14 – July 10, 2001**

Members/Alternates Present:

Mr. Tom Baldi (ConEd) via phone  
Mr. Jordan Brandeis (NYPA)  
Mr. Peter Chamberlain (Wholesale Sector) via phone  
Mr. Mark Cordeiro (Municipals)  
Mr. Curt Dahl (KeySpan/LIPA) - Chairman  
Mr. Ly Dang (ConEd Alternate) via phone  
Mr. Gary Freeland (NYSEG)  
Mr. Michael Hogan (CHGE) – Secretary

Advisers/Non-member Participants Present:

Mr. Alan Adamson (Consultant)  
Mr. Art Desell (NYISO)  
Mr. Greg Drake (NYISO)  
Mr. Frank Vitale (Consultant)

Members/Non-members/Advisers Absent:

Mr. John Adams (NYISO)  
Mr. Larry Eng (NMPC)  
Mr. Ed Schrom (NYPSC)

Guests (by phone unless otherwise noted)

Mr. Howard Fromer (Enron Corporation) in person  
Mr. Bob Stein (American National Power) in person \*  
Mr. John Charlton (NYISO) in person \*  
Mr. William Chiume (NYISO) in person \*

“\*” - Denotes part time attendance at the meeting.

**1. REVIEW & APPROVE MEETING #13 MINUTES**

- After review of the draft minutes dated June 25<sup>th</sup>, the WG approved the minutes with modifications. The Secretary will revise, reissue as final and have it posted to the NYSRC web site.

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**2. REVIEW OF PREVIOUS ASSIGNMENTS**

- 2.1 **List ISO And NPCC Studies, With Scopes, Related To Reliability (Eng)** – Mr. Eng was not present, nothing to report. This item will be carried forward to the next meeting.
- 2.2 **Data Detail NPCC TFCO Members Can Review (Adams)** – Mr. Adams was not present, nothing to report. This item will be carried forward to the next meeting.
- 2.3 **Confidentiality Agreement For Mr. Adamson (Adams)** – Mr. Adams sent the agreement and Mr. Adamson has signed and returned the agreement. This assignment was completed.
- 2.4 **Generation Deliverability Study Scope (Dahl)** – Mr. Dahl issued a draft. There were several comments regarding the document made during the meeting. Any additional comments should be sent to Mr. Dahl by July 18<sup>th</sup>. Mr. Dahl will send a final draft to RRS once all WG comments have been received.
- 2.5 **Send The NYISO The Keyspan/LIPA GT Logic For Consideration (Dahl)** – This assignment was completed.
- 2.6 **Forced Outage Rate Trends (Vitale/Drake)** – A review of the FOR trends both on a regionally and nationally basis was to be performed, which included unit specific trends, if necessary, under the confidentiality agreement. The trend results were to be reported back to the WG in such a way as to not violate any confidentiality. This assignment was not completed for this meeting but the results will be sent to WG by July 27<sup>th</sup>.
- 2.7 **Compare Planned Maintenance Outages Versus Actual (Vitale/Drake)** – The assignment was completed as originally intended. For the scheduled maintenance, it was found that the historical data for 1990-1999 exceeded the current schedule for the 45 units where data was available. A follow-up question was whether or not there was an obvious trend in the data for the last few years versus the entire period of 1990 to 1999. See agenda item #3 below for more details.
- 2.8 **Incorporate Maintenance Outages Into the ISO's EFOR Development (Vitale/Drake)** – This assignment was completed. The maintenance outage will not be incorporated into the ISO's EFOR calculation. It was agreed to increase the scheduled maintenance for 2002 so that it reflected the longer historical scheduled maintenance periods in addition to the historical maintenance outages based on the

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1991-2000 data. Care will be taken to avoid overlaps in the new scheduled maintenance outages of similar units (discussed at the meeting under 2.8 below).

- 2.9 **Review GT Logic And Make Recommendation (Vitale/Drake)** – This assignment was completed. See agenda item #3 below for more details.
  
- 2.10 **Summarize Transition Rate Development Methodology And Make Recommendations To WG (Vitale)** – This assignment was not completed. This item will be completed by July 27<sup>th</sup>.
  
- 2.11 **Update Schedule Per June 5<sup>th</sup> Meeting (Drake)** – This assignment was completed. The final suggestions discussed at this meeting will be incorporated into the schedule by July 18<sup>th</sup> and forwarded to RRS.
  
- 2.12 **List Outage Data Period For Each Unit and Associated Transition Rate Methodology (Drake)** – This assignment was not completed. This item will be carried forward to the next meeting. However, it was agreed to that any missing unit data would be “filled in” with historic data that was representative of the average for that unit. This would apply to the former NYSEG units and the former ConEd units, as noted at the last meeting.
  
- 2.13 **Provide Cable Transition Rates To ISO (Baldi)** – This assignment was not completed. ConEd was supplied with the ISO data, but it is still under review. This item will be completed by July 27<sup>th</sup>.
  
- 2.14 **Volunteer To Replacement WG Secretary (Dahl)** – This assignment was not completed. This item will be carried forward to the next meeting.

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**3. MODELING RECOMMENDATIONS (Vitale/Drake)**

- **Maintenance Schedule** - A comparison of the scheduled maintenance versus the actual maintenance was performed (assignment 2.8 above) which suggested that the Study's maintenance outages would be more conservative using the historic 1990-99 maintenance levels. The agreement at the WG was to use the 2002 scheduled maintenance to set the timing during the year the maintenance would occur and then expanded in duration to match the historic 1990-99 levels. The plan is to complete the maintenance model for MARS by July 27<sup>th</sup>. In addition, further review was requested to see if there is an obvious trend in the amount of actual maintenance during the last few years.
- **GT Transition Rates** - The transition rate development logic for GTs was discussed (assignment 2.9 above). The WG agreed that the goal should be to input transition rates such that a targeted EFOR<sub>D</sub> is achieved. The sub-WG team (Adamson, Vitale, Desell, and Drake) will implement this guideline in developing the transition rates for GTs.
- **External Control Area Data Update** - Updated PJM data will not be available for this Study. The WG agreed to continue to with the modeling data used in last year's Study. It was also noted that there is a possibility that the HQ data may not be updated either.
- **Additional Units** – It was agreed that any new unit which are not listed as part of the recently updated Gold Book should incorporate into the MARS model. Any WG member who knows of additional unit that need to be in the MARS database should forward the information to Mr. Drake by July20th.

**4. LOAD SHAPE RECOMMENDATION (ISO)**

- Mr. Chiume of the ISO was invited to the meeting to give a presentation on load shapes experienced in the NYCA for the past several years. Mr. Chiume reported that reviewing the years 1993 to 2000, 1998 represented the most typical year. This is based on annual load duration curves as well as daily summer peaks and the highest 25 daily peaks load duration curves. This analysis confirmed that the 1995 load shape would still produce the most conservative results from the MARS model. Therefore, to remain conservative, the WG agreed to continue to use the 1995 load shape for this year's study.

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**5. WHITE PAPER REQUESTED BY EXECUTIVE COMMITTEE (Adamson)**

- Mr. Adamson described the EC's request for a White Paper discussing the ISO's change over to the "monthly/UCAP" with respect to the impact on how the IRM Study is performed. It was the general feeling at the meeting that the only real discontinuity is in the database itself. The UCAP is based on a 12 month rolling average versus the IRM Study's 10-year average. The source of the data is identical; it is only a matter of what to assumed going forward in time (a projection based on 12 months rolling average or a 10-year average). The IRM Study assumes a 10-year average. The plan is to have a draft of the White Paper to RRS for their August 9<sup>th</sup> meeting.

**6. OTHER BUSINESS (all)**

- **External Assistance** – A question was raised on what to assume for external assistance to NYCA. The WG agreed to continue with the assumption that no external control areas is more reliable than a LOLE of 1 day in 10 years, identical to previous studies.
- **Reliability Rule Changes** – Mr. Adamson discussed two clarification questions regarding the changes the WG recommended to the Reliability Rules. They were addressed at the meeting, no further action required.

**7. SUMMARIZE ACTION ITEMS (Hogan)**

- Eng – List of ISO and NPCC studies that are relevant to reliability, with brief scope for each. Distribute by next meeting.
- Adams – Check with Mr. Calimano on what level of data can be reviewed by NPCC's TFCO members. Report back to WG at next meeting.
- Dahl/WG – WG members should provide comments on draft scope to Mr. Dahl by July 18<sup>th</sup>. Mr. Dahl will incorporate comments and send to RRS.
- Vitale/Drake - Report findings of trends of FORs on a regionally and nationally basis (and unit specific trends if necessary) to WG by July 27<sup>th</sup>.

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- Vitale/Drake - Review total planned outages plus maintenance outages for trends in last few years (versus trends observed and presented for the period of 1990 to 1999), by next meeting.
- Vitale - Based on review of trends, maintenance schedules, etc., summarize transition rate development methodology and make recommendations to WG if necessary, by July 27<sup>th</sup>.
- Dahl/Drake - Update schedule as discussed during meeting by July 18<sup>th</sup> and forward final draft to RRS.
- Drake - List amount of outage data available for each unit along with a the proposed transition rate methodology (e.g. 7 years vs. 10), by July 27<sup>th</sup>.
- Baldi - Provide cable transition rates to ISO, by July 27<sup>th</sup>.
- Working Group - Need for a volunteer to replacement WG Secretary, by next meeting.
- Working Group - Provide to Mr. Drake by July 20<sup>th</sup> any additional units that need to be modeled in Study that are not part of the recently updated Gold Book.
- Dahl/WG - Mr. Dahl to develop an initial draft of a UCAP White Paper. The WG will need a final draft completed in order to present the RRS at their August 9<sup>th</sup> meeting.

## 8. FUTURE MEETING SCHEDULE

- July 31, 2001, location TBD.
- August 30, 2001, location TBD.