

NYSRC ICAP WORKING GROUP MEETING MINUTES
Meeting #10 – October 3, 2000

Members/Alternates Present:

Mr. Mark Cordeiro (Municipals) – Chairman
Mr. Curt Dahl (KeySpan/LIPA)
Mr. Larry Eng (NMPC) – Via Phone (1st hour only)
Mr. Gary Freeland (NYSEG)
Mr. Michael Hogan (CHGE) - Secretary

Advisers/Non-member Participants Present:

Mr. John Adams (ISO) – Partial Attendance
Mr. Alan Adamson (Consultant)
Mr. Art Desell (ISO)
Mr. Greg Drake (ISO)
Mr. Keith O’Neal (NYPSC)
Mr. Frank Vitale (Consultant)

Members/Non-members/Advisers Absent:

Mr. Tom Baldi (ConEd)
Mr. Jordan Brandeis (NYPA)

1. REVIEW & APPROVE MINUTES FROM LAST MEETING

- Minutes for Conference Call #2 of September 12th were approved with revisions.

2. STATUS OF OUTSTANDING ACTIONS ITEMS

- 2.1 **Work Scope for 3 year Study (09-02)** – This may not need to be pursued due to a Transmission Study that is being developed, which may accomplish the same objective as this proposed NYSRC ICAP WG study. Further investigation is required.
- 2.2 **5 vs 10-Year Outage Rates (CC1-1)** – Completed, see #5.2 below.
- 2.3 **EOP’s as MW & Percent (CC1-2)** – Appendix A’s Table A-4 has incorporated updated EOPs but the “percent” column information has not been completed. This is not on the critical path for this study.

NYSRC ICAP WORKING GROUP MEETING MINUTES
Meeting #10 – October 3, 2000

- 2.4 **Percent Update Transfer Limits (CC1-3)** – Completed on September 18, 2000. Will assume 0 emergency assistance from HQ.
- 2.5 **Load Forecast Uncertainty Model Update (CC2-1)** – Completed on October 2, 2000. Need to include into final report a graph illustrating the end results of the load uncertainty distribution (i.e. cumulative distribution curve).
- 2.6 **Update to Outside Load & Capacity Models (CC2-2)** – Only outstanding area remaining is New England (see #5.8 below).
- 2.7 **Special Case Resource Recommendations (CC2-3)** – Completed on October 3, 2000 (see #5.11 below).
- 2.8 **Historic Maintenance Schedule Update (CC2-4)** – Not complete (see #5.12 below).
- 2.9 **Appendix A Second Draft (CC2-5)** – Completed on September 27th

3. REVIEW & DISCUSS OPEN SESSION AGENDA

- Very briefly reviewed Open Session agenda.

4. OTHER BUSINESS

- Discussed what should be suggested as sensitivity cases, which can be summarized as follows:
 - 1 day in 10 year without voltage reductions
 - 1 day in 15 years without voltage reductions
 - 1 day in 15 years with voltage reductions
 - Assume no help from PJM
 - 10% reduction in internal tie limits
 - No forced outage rate uncertainty
 - Extreme weather condition (100% probability of 90th percentile)
 - No external ICAP (only grandfathered)

5. REVIEW REMAINING OUTSTANDING ASSUMPTIONS ITEMS

- 5.1 **Energy Only NUGS** - Study already included all Energy Only NUGS that were listed in the 1999 Yellow Book. The 2000 Gold Book will be reviewed for

NYSRC ICAP WORKING GROUP MEETING MINUTES
Meeting #10 – October 3, 2000

additional data. The 11 new GTs for summer 2001 will not all be in NYC. Some will likely be in LI. This will be dealt with through sensitivities.

- 5.2 5- vs 10-Year Outage Rates** – There was no distinctive difference observed between the 5-year and 10-year outage rates. This Study will continue to use the existing methodology, the most recent 10-year unit averages (for this study it will include up to 1999 when available).
- 5.3 Emergency Operating Procedures** - Received updates and will be reflected in report.
- 5.4 Availability Uncertainty** - There will be a percent adder to account for general unit availability uncertainty.
- 5.5 Load Forecast** – The study will use a 30,500 MW NYCA peak, slightly higher than what is forecasted in the 2000 Gold Book (30,460 MW).
- 5.6 Transfer Limits** - Transfer Limits have been updated based on 2000 Operating Study. However, by NYPA's acquisition and commitment to have the Fraser SVC back in service by Summer 2001, appropriate transfer limits will need to be reviewed again.
- 5.7 Load Forecast Uncertainty Model Update** - Completed on October 2nd.
- 5.8 Outside Area Load & Capacity Model** – This is near completion. It is anticipated that the update will be completed in time for use in this Study. Also, to incorporate the efforts of last year's Study, any appropriate and necessary changes to this revised information will form the basis for the Base Case MARS runs. The old CP5 study data will be used until this effort is complete.
- 5.9 Inter-area Reserve Sharing** – No discussion.
- 5.10 Locational Capacity Requirements** - This is currently being reviewed. The study will assume the highest values.
- 5.11 ICAP Special Case Resource** - There is 171 MW identified with known locations (31 MW NYC, 40 MW Central NY, and 100 MW Western NY). The recommendation is to address this in sensitivities, possibility examining the impacts with 100 MW increments (i.e. 100, 200 and 300 MW).

NYSRC ICAP WORKING GROUP MEETING MINUTES
Meeting #10 – October 3, 2000

5.12 Maintenance Schedule - Based on a comparison of what was supplied and what has historically been done, the ISO will determine if the planned maintenance is adequate or needs to be modified. The final resulting schedules will be weighted toward producing conservative Study results.

6. REVIEW & COMMENT ON REPORTS APPENDIX A

- WG recommended various wording clarifications/corrections to the 2nd Draft of Appendix A. The changes will be incorporated into a 3rd Draft of Appendix A and issued to RRS for their initial review.

7. STUDY PROCEDURE - REQUIRED SENSITIVITIES

- Study procedure has been established and is unchanged. The 1st pass of the Base Case results should be available for distribution by Monday the 16th. The results will be discussed at the next WG meeting on 10/18/00. Sensitivities will be run after Base Case is established.

8. REVIEW OF STUDY MILESTONES

- 10/6 RRS Meeting – Report to RRS and seek approval of study scope and assumptions. The 3rd Draft of Appendix A will also be issued for their review.
- 10/17 EC Meeting – Report to EC and seek approval of study scope and assumptions.
- 10/18 - ICAP WG review initial Base Case results.
- 12/11 Approval Of Study by Executive Committee

9. SUMMARY OF OUTSTANDING AND FUTURE ACTION ITEMS

- **Item 09-02: Work Scope for 3 year Study** – Further investigation is required. This item is not impacting Study schedule.
- **Item CC1-2: EOP's as MW & Percent** – Partially completed. This item is not impacting the Study schedule. Will be fully completed by next WG meeting on 10/18/00.
- **Item CC2-2: Update to Outside Load & Capacity Models** – Will be completed by 10/18/00.
- **Item CC2-4: Historic Maintenance Schedule Update** – Awaiting final review that compares the planned maintenance, as submitted to ISO, versus the historic maintenance pattern. Will be completed by 10/18/00.
- **Item 10-01: 5- vs 10-Year Unit Availability** – Develop Appendix A material to support continued use of the 10-year (most recent) unit availability average methodology. To be completed for final report, by 11/15/00.

NYSRC ICAP WORKING GROUP MEETING MINUTES

Meeting #10 – October 3, 2000

- **Item 10-02: Cumulative Probability Distribution of Load Uncertainty** – Cumulative distribution graph. Will be completed by 10/18/00.
- **Item 10-03: 1st Pass MARS Base Case Results** – Develop and issue to WG by 10/16/00.
- **Item 10-04: Appendix A 3rd Draft** – Develop and issue to RRS by 10/5/00.
- **Item 10-05: Draft Study Report** – Develop and issue to Draft study report to RRS by 11/15/00.

10. OTHER BUSINESS

- No other Business

11. FUTURE MEETING SCHEDULE

- October 18, 2000 Closed & Open Sessions @ ISO
- October 31, 2000 Closed & Open Sessions – CONFERENCE CALL
- November 15, 2000 Closed & Open Sessions @ ISO