

NYSRC Installed Capacity Subcommittee

Conference Call #33

July 10, 2007

10:00 a.m. – 12:00 p.m.

Meeting Minutes

Attendees

- Members / Alternates Present:
 - Curt Dahl (LIPA), Chairman
 - Carlos Villalba (Con Edison), Secretary
 - Steve Jeremko (NYSEG-RGE)
 - Rajee Mustafa (NYPA)
 - Rich Wright (CHGE)
 - Madison Milhous (Generation Owners – KeySpan Ravenswood LLC)
 - Han Huang (NYPA)

- Advisers / Non-Voting Member Participants Present:
 - Greg Drake (NYISO)
 - Al Adamson (Consultant)
 - Steve Keller (NYDPS)
 - Ed Schrom (NYDPS)
 - Frank Vitale (Consultant)
 - Timothy Bush (Public Power, Munis and Co-ops) – Telephone

- Guests Present:
 - Bill Lamanna (NYISO)
 - John Charlton (NYISO)
 - Arthur Maniaci (NYISO)

1. Action Items

1.1 Closed

75-3 MARS Switch Settings. During the last ICS meeting (#77), Glenn Haringa (GE) informed the group that the ICS can use any of the switches at their discretion – and that there is no compelling reason to change the current switch settings in the model.

1.2 New

78-5. Bill Lamanna will review Zone J simultaneous import capability from PJM and Zone K (Lamanna).

78-6. Modify the modeling technique of Astoria West units to reflect that any one of the Astoria GTs 10-13 can be connected at any time to increase the capacity states of NYPA CC unit from 2 to 7 (Drake).

78-7. Verify that the 79.9 MW Plattsburg wind farm is in service (Drake).

78-9. Review the Load Uncertainty table based on LSTF consensus (Drake).

1.3 Revised

All

2. SCRs and EDRPs

John Charlton reported to the group the performance of the EDRPs and SCRs as follows:

- The EDRPs continue performing at approximately 45% availability. There is no better information available at this time to calculate a different availability.
- During the peak days of August 2nd and 3rd, the SCRs performance ranged from 88% to 101% availability hour to hour in some zones. Mr. Charlton recommended maintaining the 92% availability, since it was still representative of the SCRs overall performance of 91.6% and that not further adjustments were necessary.

Mat Milhous and Curt Dahl asked Mr. Charlton for a zonal SCR performance calculated during the best consecutive 4 hours. Mr. Milhous noted that these results were used for the ICAP to UCAP translation. Mr. Charlton provided the group a spreadsheet with the zonal UCAPs for SCRs. After examination of results, the group decided to apply the calculated zonal UCAP/ICAP ratio or SCRs availability to adjust the estimated 2008 SCRs performance.

- Mr. Charlton clarified that there were additional SCRs that performed during the peak hours but were not in the UCAP calculation because they did not participate for the full 4 hours.

Carlos Villalba asked Mr. Charlton for a specific date when summer registration of SCRs peak – and to use this number for the following- year IRM Study.

- Mr. Charlton replied that the Price Response Load Working Group (PRLWG) has monthly registration statistics. However, it would take several weeks for NYISO staff to process the information so that it could be made available to the ICS on an annual basis. .

Mr. Dahl noticed that in Zone K's SCRs the Holtsville and Shoreham units adding 96 MW called by LIPA Mobile Generating Units (MGU) were included in the 2008 SCRs. LIPA plans to retire the MGU at the end of 2007 and therefore will not be in service for summer 2008.

3. Hydro Units Performance

Greg Drake and John Charlton presented last year's Run-Of-River (ROR) hydroelectric units' performance that reflected almost 63% availability.

- After the ICS reviewed the revised data, the group determined that the 45% availability used in previous IRM Studies was still representative for ROR hydro performance when droughts are also taken into consideration.

4. NYCA Transmission Model

Bill Lamanna expressed to the ICS his concern with simultaneous import capabilities into Zone J from Zone K, Zone I, and PJM. This issue is now being discussed with Con Edison Transmission Planning.

- Upon resolution of this issue, Lamanna would finalize the report section dealing with Zone I to Zone J transfer limit increase. Mr. Lamanna again explained to ICS members the reasons for the Zone I to J interface limit increase. Mr. Dahl intends to add this report to the package that will be submitted to the EC after August 1st.

5. Astoria West modeling test

Greg Drake and Bill Lamanna explained their setup of the model to capture the dynamic of not being able to run all units connected to Astoria West substation in Zone J during high peak load periods because of short circuit violations.

- Drake and Lamanna added a new "dummy area" to the model, in which they grouped Astoria 3, Astoria 4, Astoria 5, NYPA CC, and the NRG GTs 10-13 generating units.
- The new dummy area was connected to Zone J by an interface with a limit of 1590 MW that would allow the simultaneous output of Astoria 3, Astoria 4, Astoria 5, NYPA CC, and the smallest NRG GT of 19 MW.

Carlos Villalba noted that using the smallest GT is not accurate since anyone of the NRG GTs could be in service. Mr. Villalba also mentioned that the NYPA CC plant was modeled as a single unit and with only two transition states.

- Mr. Drake added that there might be sufficient information about the unit performance to build a “seven-state” (needs explanation) model.

Mr. Drake reported an increase in the LOLE of 0.003 days/year from 0.083 to 0.086. Mr. Villalba then asked Mr. Drake if it is worthwhile adding this section to the model for such a small impact. Drake responded that it is always useful to simplify the modeling and to speed up the results. In this case, the model ran overnight and Greg did not record if there was any detriment to the IRM calculation time or its post-calculations. Mr Dahl commented on the importance of appropriately modeling bottled generating capacity in the IRM study. The committee agreed to incorporate the NYISO model of Astoria West into the basecase recommendation and IRM assumptions matrix, particularly since NYISO had already done all the work to develop a more detailed representation.

- Drake will review the running times and report back to the group.

6. GE Switch Settings

See Action Items closed.

7. Load Forecast Uncertainty

The new model proposed by Arthur Maniaci will be presented to the Load Forecasting Task Force (LFTF) and depending of their acceptance the model may be accepted by the ICS members to modify the load uncertainty values in the MARS database. (The next LFTF meeting will be held on July 17th.)

8. Unit Maintenance

Frank Vitale reported that the average capacity on maintenance during the summer has not changed in the last couple of years. Mr. Vitale’s analysis still suggests an average of 150 MW of capacity on outage during the summer period. This calculated number does not include weekend maintenance outages.

- Mr. Vitale asked the group if it was necessary to adjust the maintenance based on five-year history for the entire year 2008, since the LOLE occurrences recorded in the GE-MARS model are in the summer months and not the winter or shoulder months when the units are scheduled for long maintenance outages.
- The ICS members suggested that “whole year” maintenance adds completeness to the study and that the GE-MARS model is also used for other studies that rely on the maintenance of the units during the shoulder months.

9. Next Meeting

Meeting #79: August 1, 2007, 9:30am – 4:00pm.

Secretary: Carlos Villalba