

NEW YORK STATE RELIABILITY COUNCIL INSTALLED CAPACITY SUBCOMMITTEE  
Meeting Notes: Meeting #186 held Wednesday, August 3, 2016

Link to documents: <http://www.nysrc.org/ICS%20Agendas/ICSagenda186.html>

Emergency Assistance (EA) Model: NYISO White Paper

Comments submitted by ICS members (John Adams, Al Adamson, Kelli Joseph, and Mark Younger) in response to the NYISO's EA white paper were not reviewed by the NYISO. Each submitter had one or more problems with the white paper, which was discussed during the meeting. NYISO indicated that in order to respond to the questions they would need at least 30 days to ferret out the answers. The single most vexing problem was how the model was handling loop flow. NYISO set the model up that with one external NYCA interface to avoid allocating specific import limits to each Neighboring Control Area (NCA). By setting the model up with one generic interface an export from western NY could loop through a NCS into a shortage area. The modeling design that allows this loop flow was contested by the Supply Sector as inappropriate and wrong. The amount of load added to the NCA in the model was contested by Con Ed as excessive. All in all, the white paper is still being reviewed by ICS and is not ready for release. Once the modeling issues are addressed and accepted by ICS, sensitivities with varying EA levels can be run with more support from the ICS members. We are hopeful that by September we will have EA sensitivities to report.

Other Concerns

- Not enough peak load days used in the study. ICS suggested using top 30 days' peak load days from the last 3 years with information on the forecast for that period.
- What level of forced outage rate should be used for NCA peaking units?
- Why was there no change in results when the wheel was removed?
- Is indirect emergency assistance negatively affecting the model?
- Should loop flow be restricted

2015 Summer Maintenance Analysis – J. Adams

After John’s careful review of summer maintenance outages, ICS agreed to assume 25 MW out in zone J and K for a total of 50 MW.

Policy 5 Revision – R. Boyle, A. Adamson

Included in your package. We believe that we have met the requests made at the last EC meeting and would like your approval.

Proposed Sensitivity Cases – R. Boyle

The following cases were approved for study by ICS.

Case	Description
1	NYCA Isolated
2	No Internal NYCA Transmission Constraints
3	No Load Forecast Uncertainty
4	No Wind Capacity
5	No SCRs
6	New Emergency Assistance Model Under Consideration (w/Tan 45) at 2620 MW
6a	New Emergency Assistance Model Under Consideration Using on External 10-Reserves (with a possible Tan 45)
6b	Eliminate Indirect Energy Assistance on Top of #6
7	Retire Indian Point Units 2 and 3, w/o Replacing Capacity
8	Forward Capacity Market MW Leaving NY
9	Include Ginna and Fitzpatick in the Model
10	New All in Model – Completely New Shifting Methodology
11	Alternate Shift Methodology – Shift using zones A through I (instead of just A, C & D)

## Parametric Study Results – G. Drake

We expect to have the final results by August 15 and will be discussed at the next EC meeting.

### Draft 2017 IRM Parametric Results to Date

8/3/2016

Draft - For ICS discussion purposes only

#### Preliminary Base Case

Case Number	Description	NYCA	Zone J	Zone K	Actual Change	Forecast from AM
		RM	RM	RM		
	IRM 2016 Final Base Case	17.4	80.8	102.4		N/A
0	Run Initial Base Case check	17.4	80.8	102.4	0.0	0
1	MARS Version 3.20 w/wo H5 load shape	17.4	80.8	102.4	0.0	0
2	PJM 4 vs. 5 bubble model	17.3	80.7	102.3	-0.1	low (-)
3	Retirements	18.6	79.7	102.5	1.3	low (+)
4	Multiple Wind Shapes	18.4	79.7	102.5	-0.2	low (-)
5	Add Marble River + Orangeville Rerate	19.0	79.7	102.5	0.6	med (+)
6	Multiple Solar Shapes	19.0	79.7	102.5	0.0	0
7	Gold Book Forecast 2017	18.5	79.2	102.7	-0.5	low (-)
8	Cable Transition Rates	18.6	79.2	102.8	0.1	low (+)
9	Gen Transition Rates	19.2	79.7	103.4	0.6	low (+)
10	Update non-SCR EOPs	19.1	79.7	102.3	-0.1	Blank
11	Update SCRs					low (+)
12	Gold Book DMNCs					0
13	Maintenance Changes (locational change)					low (+)
14	Small Hydro Derate change if needed					0
15	Remove PSEG/Con Ed Wheel					0
16	Upstate NY topology					low (-)
17	Update PJM (Loads and Caps)					0
18	Update Ontario, Quebec, and NE					0
19	Adjustment in accordance with Policy 5					No entry

