

## DRAFT Action Item List From Meeting #189 – November 2, 2016

New York State Reliability Council - Installed Capacity Subcommittee

[Highlight denotes items that are behind schedule or due for the next meeting]

NO.	Action Item	Responsible Individual(s)	Sched./Actual Comp. Dates
161-5	The NYISO to provide justification to consider a different, less extreme, load shape than 2002. Consider alternative years for the multi-year load shapes - Currently using 2006, 2002, 2007 years for multi-year load shape feature. ICS will review various years' load shapes and make recommendations for any changes. The NYISO to align years across pools and collect missing data and make necessary corrections in Q1-Q2 2016.	NYISO/ Drake	After 6/2016
170-7	<i>Consider alternative approaches when shifting capacity for sensitivities - Proposal will not change base case methodology. (Update milestone schedule to explicitly mention the sensitivity methodology).</i>	Drake	08/03/2016
170-8	<i>Investigate Energy Limited Resources and Capacity Limited Resources - Collect data on these resources by superzone/zone, operating limits (i.e., 4, 6, hour, etc.) and provide reason for limitation without violating confidentiality. Depending on findings modeling assumptions may be adjusted.</i>  <i>The NYISO is currently collecting data and will provide NYCA wide numbers.</i>	Drake/ Walters	03/29/2016 05/04/2016
170-9	Develop IRM Study Guide document.	Adams	12/2016
174-2	<i>The NYISO to provide numerical example of the load shape adjustment methodology.</i>	Drake/ Maniaci	03/29/2016
177-1	<i>ICS to discuss PJM wheel balance topology change. (with and without the Con Edison wheel)</i>	Drake/ Lamanna	05/04/2016
178-2	<i>Vijaya Ganugula to return to ICS to discuss an alternative method for determination of SCR values used in the IRM studies. Note for 5/4:Vijaya to return to provide more details including the comparison with scarcity pricing, removal of the test data and 4-6 hour factor.</i>	NYISO/ Ganugula	03/29/2016 05/04/2016

180-1	<i>Con Edison to report on any updates on the Staten Island unbottling project and the status of wheel</i>	<i>Con Edison</i>	<i>05/04/2016</i>
180-2	<i>The NYISO to draft revisions to Appendix C to incorporate IIFO units. (Discussion topic from May 4<sup>th</sup> meeting)</i>	<i>Drake/ Walters</i>	<i>03/29/2016 06/01/2016</i>
180-5	<i>Update Policy 5 for the special sensitivity case timeline</i>	<i>Boyle/ Adamson</i>	<i>06/01/2016 08/03/2016</i>
181-1	<b>External Control Areas Emergency Assistance</b>	<b>Drake</b>	<b>06/01/2016</b>
181-1.1	<i>NYISO to provide the scope of a study for developing a model for providing acceptable levels emergency assistance from external control areas. (was 179-1)</i>	<i>Drake/ Operations</i>	<i>03/29/2016</i>
181-1.2	<i>Review the PJM LOLE 0.14. (was 180-4)</i>	<i>Adams/ Adamson</i>	<i>05/04/2016</i>
181-1.3	<i>Evaluation of an alternative method of calculating emergency assistance by eliminating the shifting resources to achieve a 0.1 days/yr LOLE (Boyle proposal) – will be a sensitivity case</i>	<i>Drake</i>	<i>09/01/2016</i>
181-2	<i>The NYISO to provide PJM model improvements, if any, for base case. ( was 180-3)</i>	<i>Drake</i>	<i>06/01/2016</i>
181-2.1	<i>The NYISO to review the New Jersey transmission constraints in order to determine the deliverability of any emergency assistance from PJM.</i>	<i>Drake</i>	<i>05/04/2016</i>
181-2.2	<i>Evaluate the use of PJM 4 versus 5 bubble model using updated parameters.</i>	<i>Drake</i>	<i>05/04/2016</i>
181-2.2.1	<i>NYISO to update the scope of the PJM 4 versus 5 bubble model.</i>	<i>Drake</i>	<i>03/29/2016</i>
181-3	<b>Wind Model</b>	<i>Drake</i>	<i>05/04/2016</i>

181-3.1	<i>Discuss the current methodology used for wind units that do not have five full years of historical data.</i>	Drake	03/29/2016
181-3.2	<i>The NYISO to evaluate multi-year wind shape functionality. (Testing the GE model) (was AI 178-1)</i>	Drake	05/04/2016
181-4	<i>Develop a matrix for tracking the ICS studies for the 2017 IRM.</i>	Adamson	03/29/2016
181-5	<i>The NYISO to report on the amount of generation that had been sold in Forward Capacity Market auctions in PJM and ISO-NE returned to the NY market. Updated spreadsheet provided to ICS on 4/4/16.</i>	Drake/Boles	03/29/2016
181-6	<i>The NYISO to provide a matrix on how various assumptions can impact the model.</i>	Drake/Jiang	08/03/2016
181-7	<i>The NYISO to present an environmental initiatives update.</i>	Drake/ Carney	05/04/2016
181-8	<b>Mark Younger to coordinate the Forward Capacity Market task force meetings.</b>	Younger	12/2016
181-9	<i>The NYISO to provide an update on the status of the IESO capacity market discussions.</i>	Drake/Boles	03/29/2016
181-10	<i>Mark Younger to provide a write-up on shifting capacity for sensitivity cases</i>	Younger	03/29/2016
182-1	<i>2017 IRM study schedule and project milestones to be updated for consistency with the matrix developed for tracking the ICS studies for the 2017 IRM(AI 181-4).</i>	Boyle	05/04/2016
182-2	<i>Open Class Year projects inclusion decision (not consistent with Policy 5) discussion.</i>	ICS	05/04/2016
182-3	<i>Provide a status update on Marble River and HQ requests in the open Class Year study.</i>	Drake	05/04/2016

183-1	<i>ICS to schedule conference call to discuss PJM 4 versus 5 bubble model white paper.</i>	<i>Boyle/ Wilczek</i>	<i>05/20/2016</i>
184-1	<i>A column is to be added to the 2017 IRM Study Assumptions Matrix for estimated impact to the IRM</i>	<i>Drake</i>	<i>06/29/2016</i>
185-1	<b>A review of the topology for the A/B/C, J/K, and 5018) lines, to be undertaken prior to the 2018 IRM Study</b>	<b>Drake</b>	<b>March 2017</b>
185-2	<i>Prepare a schedule based on the tasks for the parametric study</i>	<i>Drake</i>	<i>08/03/2016</i>
185-3	<i>Fill in Table 4 of the Emergency Assistance draft white paper</i>	<i>Drake</i>	<i>08/03/2016</i>
185-4	<i>Ask GE if it were possible to enforce certain flows on lines that are part of AC interfaces such as the one between Zones F &amp; G to ISO-NE</i>	<i>Drake</i>	<i>08/03/2016</i>
186-1	<i>NYISO staff to respond to ICS comment papers on NYISO EA white paper</i>	<i>Drake</i>	<i>08/30/2016</i>
186-2	<i>General Electric to be available at the August 30<sup>th</sup> ICS meeting to discuss the MARS model characteristics</i>	<i>Drake</i>	<i>08/30/2016</i>
186-3	<i>NYISO staff to complete parametric study and Tan 45 for preliminary base case</i>	<i>Drake</i>	<i>08/30/2016</i>
186-4	<i>NYISO to determine if all units can be added to Attachment C in the assumptions matrix instead of just thermal and large hydro units</i>	<i>Drake/ Walters</i>	<i>08/30/2016</i>
186-5	<i>NYISO to present an update on the Locational Export Capacity proposal that will be presented to the ICAPWG on August 23<sup>rd</sup> (and September 19<sup>th</sup> ICAP WG)</i>	<i>Drake/Boles</i>	<i>08/30/2016</i>
<b>187-1</b>	<b>NYISO to look at the MARS model and provide information on when the LOLE events occurred in relation to the peak</b>	<b>Drake</b>	<b>10/05/2016</b>

188-1 188-2	<i>As part of the EA study next steps, NYISO to verify with Operations if 30-minute resources from external control areas would be used for EA and if the data is available</i>	<i>Drake/Boles</i>	<i>11/02/2016</i>
188-3	<i>Mr. Adamson to provide a draft for discussion of what the next steps for the EA study are</i>	<i>Adamson</i>	<i>11/02/2016</i>
188-4	<i>NYISO to provide more clarification on Sensitivity #7 (Indirect Emergency Assistance eliminated), specifically what the flows were across the transmission lines as they went through the external control areas</i>	<i>Drake</i>	<i>11/02/2016</i>
188-5	The amount of public appeal in EOP is 80MW in Zone K and 8 MW from Zone B. Mr. Younger requested the detail for determining these amounts	Drake/LI and RGE	11/02/2016
189-1	Language to be reinserted into Policy 5 regarding the June 1 inclusion date.	Adamson	Jan 2017
189-2	Develop and recommend options for coming up with an EA MW limit.	Adams	Jan 2017
EC direct ed	NYISO to run a sensitivity with a Tan 45 analysis on the 2017 IRM Base Case with an increased amount of renewables to look at the impact to the IRM from the CES.	Drake	Jan 2017