

**August 3<sup>rd</sup> ICS Meeting #263**

Prepared for: August 12th, 2022 EC Meeting  
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**4.1.1 2023-2024 IRM Sensitivity Cases**

ICS approved/accepted ten (10) Sensitivities for the 2023 Preliminary IRM, four (4) of which assess the IRM Impacts of Base Case Assumption Changes. There were two caveats, which are captured by ICS Action Item 262-1, that went along with the approval related to Sensitivities 9 & 10 (Y49 issues).

Sensitivity #9 will assess the potential for a Y49 outage extension and Sensitivity #10 (an EC request), will evaluate using a cable transition rate other than the previous 5 year data due to the cable being replaced and presumed better reliability in the future.

These two issues will be resolved at the mid-August ICS meeting regarding Sensitivities 9 & 10:

- 1) NYISO to confirm the transition rate to be used for Y49 with PSEG-LI. Some uncertainty was expressed regarding the existing value at the last EC meeting.
- 2) Determine an appropriate transition rate to use for a replaced Y49 cable. There is no direct precedent or pre-existing “new cable” data for determining this, as was hypothesized at the previous EC meeting. NYISO will present to the ICS, options for a transition rate to use for a new Y49 cable after conferring with applicable TO(s). Options discussed included using the Y50 transition rate over the past 5 years; using a less than 5 year rate that eliminates the past years of anomalous performance; using a transition rate value arrived upon based on input from a TO (PSEG-LI) technical recommendation.

The full Sensitivity list is an attachment to this report.

**Action Requested:**

Executive Committee Approval/Acceptance of the 2023 Sensitivity list. ICS will bring back clarification on Sensitivities #9 & 10 as required.

Extra Discussion: Related to Sensitivity #10, there is no existing methodology for classifying new vs refurbished vs pre-existing as they relate to transition rates. Nor is there any existing method for assigning “new” transition rates versus using the existing five year average data. The potential exists for this to be considered a needed change to Policy 5-15, “Procedure for Establishing New York Control

Area Installed Capacity Requirements” to address the issue consistently and comprehensively, although ICS is not recommending this at this time.

**4.1.2 PBC Parametric Results – Preliminary**

Preliminary results are attached. The largest individual change was to the Zone J LCR, due to DEC Peaker Deactivation stemming from their higher EFORD values relative to other capacity units.

**4.1.3 Demand Response: Final Model Values for 2023 IRM Studies & SCR Performance Analysis**

Comparison between previous and current SCR values shown below. The full presentation is also attached.

## Comparison of 2023 with 2022 SCR Values

For 2023 IRM - Final SCR Model Values					For 2022 IRM - Final SCR Model Values			Comparison of 2023 with 2022 IRM		
Program	Super Zone	Effective Performance Factor	SCR ICAP MW based on July 2022 Enrollment Data	Final Model Values MW	Effective Performance Factor	July 2021 MW	Final Model Values MW	Effective Performance Factor	July 2022 vs July 2021 MW	Model Value MW
SCR	A-F	81.7%	694.5	567.7	81.8%	636.0	520.3	-0.1%	58.5	47.4
SCR	G-I	64.7%	79.1	51.2	64.9%	84.9	55.1	-0.2%	-5.8	-3.9
SCR	J	52.5%	417.5	219.1	52.3%	406.5	212.4	0.2%	11.0	6.7
SCR	K	53.1%	33.7	17.9	60.4%	36.8	22.2	-7.3%	-3.1	-4.3
Total			1224.8	855.9		1164.2	810.0		60.6	45.9
				69.9%			69.6%			

- Minor change in Effective Performance Factor for Zone K due to the inclusion of multiple Zone K events since 2022 IRM SCR values were finalized
- Increase in Model Value MW is driven by an increase in the July 2022 SCR Enrollments



**4.1.4 EC Action Items for ICS – July Meeting**

Two action items identified for ICS at the last EC meeting.

- Resolve cable outage rate assumptions to be used for Y49...existing 5 yr avg or consider a generic outage rate, if available.

*ICS Response: See discussion in item 4.1.1.*

- Resolve which of Sensitivities 6, 7, 8, 9 will be tan45's.

*ICS Response: Sensitivity#8 will be a Tan45. Consideration was made regarding relative importance of the issues and reasonable workload/schedule factors.*