

ICAP Manual – DER Updates

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Agenda

- **Background & Overview**
- **Draft Manual Language for Discussion**
 - ICAP Manual
 - Attachment J
- **Next Steps**

Background & Overview

- **Today's discussion will review updates to the ICAP Manual and AttachmentJ of the ICAP Manual.**
 - An initial partial draft of Attachment J was reviewed at the April 27 ICAPWG, and a second draft was reviewed at the May 23 ICAPWG
- **Updates include 1) responses to feedback received at, or shortly after, the May 23 ICAPWG and 2) new content added to the ICAP Manual and AttachmentJ.**

Draft Manual Language for Discussion

ICAP Manual

ICAP Manual Updates

(green highlights in posted draft)

- **Section 4.5 Calculation of the Amount of Unforced Capacity each Resource may Supply to the NYCA (Section 5.12.6.2 NYISO Services Tariff)**
 - Included details addressing measurement of DER Unavailability for DER Aggregations with an Energy Duration Limitation.
 - Concepts established during the DER Capacity market design effort.
- **Section 4.4.14 Generating Units that are Retired, Mothballed, in Inactive Reserves or in a Forced Outage or ICAP Ineligible Forced Outage**
 - Exempted individual DER participating in an Aggregation from reporting and notification requirements outlined in Services Tariff Section 5.18.
 - Individual DER participating in an Aggregation are not required to report outage states, pursuant to Services Tariff 5.18
 - Individual DER participating in an Aggregation are required to submit GADS data, including reporting of outages and derates

Attachment J

ICAP Manual – Appendix Attachment J

- **Draft merged with currently effective Attachment J**
- **Draft Attachment J section 3.9 includes UCAP equations for all viable types of Aggregations:**
 - Discussed at the April 27 and May 23 ICAPWGs:
 - DER Aggregation with no Demand Reduction and without an EDL
 - DER Aggregation with no Demand Reduction and with an EDL
 - Included reference to Section 4.5 based on new language
 - DER Aggregation with Demand Reduction and without an EDL
 - DER Aggregation with Demand Reduction and with an EDL
 - Included reference to Section 4.5 based on new language
 - ESR Aggregation without an EDL
 - ESR Aggregation with an EDL
 - Generator Aggregation without an EDL (AEFORd)
 - Generator Aggregation with an EDL (Energy Limited Resource) (AEFORd)
 - Generator Aggregation without an EDL (AOF)
 - Generator Aggregation with an EDL (Energy Limited Resource) (AOF)
 - Intermittent Power Resource (IPR) Aggregation
 - Feedback received on all equations in Section 3.9 included as redlines in the draft posted for today's discussion
- **Corresponding Section 6 to address changes taking effect with the 2024 Capability Year added to the working draft for today's discussion.**

Attachment J – **Section 6**

- **NYISO applied the following changes as needed:**
 - Duration Adjustment Factor replaced with Capacity Accreditation Factor
 - Added ICAP Obligation Hours where Peak Load Window previously applied
- **Section 6.9.11 to address UCAP for IPR Aggregations reflects the following concepts:**
 - Production Factor replaced with Resource Specific Derating Factor (RSDF)
 - Average Capacity Factor used in calculation of RSDF

Next Steps

Next Steps

- Please provide feedback to the NYISO by COB Wednesday, June 14.
- NYISO will post any subsequent revisions to redlined documents on the website.
- Please send any questions, comments, or feedback that were not addressed during this presentation to: **DER_Feedback@nyiso.com**
 - Comments/feedback submitted to the NYISO may be posted publicly unless the NYISO is specifically asked not to do so.

Our Mission & Vision



Mission

Ensure power system reliability and competitive markets for New York in a clean energy future



Vision

Working together with stakeholders to build the cleanest, most reliable electric system in the nation

Questions?