

External ICAP Rights for the 2021/2022 Capability Year (Prior to Deliverability Testing) & ICAP Manual Updates

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February 1, 2021

Agenda

- **External ICAP Rights for the 2021/2022 Capability Year (Prior to Deliverability Testing)**
- **Incremental Revisions to ICAP Manual for Expanding Capacity Eligibility**

External ICAP Rights for the 2021/2022 Capability Year (Prior to Deliverability Testing)

Objective

- To determine the maximum amount of import capacity allowed from neighboring Control Areas (CAs) (Section 4.9.6 of ICAP Manual)
- MARS simulations were performed on the LCR MARS database to determine capacity imports allowed without violating the LOLE criterion

Ties Excluded

- **Interface facilities having UDRs**
- **Controllable lines from PJM into NYCA**
- **The NUSCO 1385 (NNC) line**

Methodology

- **Initial MARS Database: 2021/2022 final IRM database as updated for the LCR study**
- **Model Grandfathered Rights imports consistent with the IRM study**
- **Determine imports for each Control Area individually by increasing imports on each Control Area's ties until the LOLE levels in the base case are met**

Methodology – continued

- Perform simultaneous runs of all included external ties together by increasing the ICAP imports based on the individual limits (beyond the Grandfathered Rights imports) until the LOLE levels in the base case are met
- These ICAP imports, when added to the Grandfathered Rights Imports, determine the total simultaneous import limits before deliverability

Deliverability Test

- The final values for import capability reported will be subjected to a deliverability test
- If all the MWs are deemed deliverable, then the final values reported will be the Import Rights per each Control Area
- If the MWs are not all deemed deliverable, the final values for each Control Area will be reduced to the amount deliverable

Results

Four-Control-Area-Participation	PJM	ISO-NE	Quebec	Ontario	Totals
Initial Values (TTC Summer Ratings)	1450	1400	1690	1850	6390
Grandfathered Rights*	1080	0	1110	0	2190
Individual Limits (above GF)	285	459	18	80	842
Simultaneous Limits (above GF)	149	241	9	42	441
Final Values **	1229	241	1119	42	2631

*Includes ETCNL for these purposes

**2021/2022 Capability Year Subject to Deliverability Study

Results – continued

Four-Control-Area-Participation	2021/2022 Capability Year					2020/2021 Capability Year				
	PJM	ISO-NE	Quebec	Ontario	Totals	PJM	ISO-NE	Quebec	Ontario	Totals
Initial Values (TTC Summer Ratings)	1450	1400	1690	1850	6390	1450	1400	1690	1850	6390
Grandfathered Rights*	1080	0	1110	0	2190	1080	0	1110	0	2190
Individual Limits (above GF)	285	459	18	80	842	285	620	12	28	945
<i>Individual Limits (above GF) Delta</i>	0	-161	6	52	-103					
Simultaneous Limits (above GF)	149	241	9	42	441	152	332	6	15	505
<i>Simultaneous Limits (above GF) Delta</i>	-3	-91	3	27	-64					
Final Values **	1229	241	1119	42	2631	1232	332	1116	15	2695
<i>Final Values** Delta</i>	-3	-91	3	27	-64					

*Includes ETCNL for these purposes

**2021/2022 Capability Year Subject to Deliverability Study

Incremental Revisions to ICAP Manual for Expanding Capacity Eligibility

Incremental Revisions to ICAP Manual

- **In consideration of feedback received at the 1/21/21 ICAPWG, incremental revisions have been made to Sections 4.1.1 and 4.12.2 of the ICAP Manual corresponding to the Expanding Capacity Eligibility rules**
 - Incremental revisions since the previous ICAPWG are highlighted in yellow for ease of review
 - The version of the ICAP Manual that is posted with today's meeting materials is consistent with the version that is posted "Under Review" on the NYISO website for the February 2021 BIC

Incremental Revisions to ICAP Manual

- **Section 4.1.1 – Energy Duration Limitations and Duration Adjustment Factors for Installed Capacity Suppliers**
 - Revised the description of the incremental penetration of Resources with Energy Duration Limitations to state “SCR ICAP Value for July” rather than “SCR ICAP Value for the July Capability Month”
 - Added language to note that the ISO does not anticipate that it will frequently exercise its authority to shift the Peak Load Window
 - Note that this language may be revised in the future, based on system conditions, and penetration of renewable resources and resources with daily run-time limitations
- **Section 4.12 – Special Case Resources**
 - Section 4.12.2.1.6
 - Removed “for the Capability Period and” from the definition of *Aggregation PF_{am}*
 - Added subscript “m” to the term *RIP PF_{gm}* for consistency with terms in this section
 - Section 4.12.2.1.8
 - Corrected subscript to “a” of the term *Aggregation PF_{am}* in the equation
 - Corrected subscript “g” in the definition of *RIP PF_{gm}* in sections 4.12.2.1.8 for consistency with terms in this section

Incremental Revisions to ICAP Manual Attachment F

- **Attachment F – Agreement to Purchase or Sell Unforced Capacity in NYISO Installed Capacity Auctions**
 - Section 6. Miscellaneous
 - Updated NYISO person of contact for communication with Market Participants

Questions?

Our mission, in collaboration with our stakeholders, is to serve the public interest and provide benefit to consumers by:

- Maintaining and enhancing regional reliability
- Operating open, fair and competitive wholesale electricity markets
- Planning the power system for the future
- Providing factual information to policymakers, stakeholders and investors in the power system

