

# External ICAP Rights for the 2022/2023 Capability Year (Prior to Deliverability Testing) & ICAP Manual Updates

---

Pallavi Jain

Senior ICAP Market Operations Engineer

**BIC**

February 16, 2022

# Agenda

- **External ICAP Rights for the 2022/2023 Capability Year (Prior to Deliverability Testing)**

# External ICAP Rights for the 2022/2023 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: 2022/2023 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

## 2022 Import Rights

Four-Control-Area-Participation	PJM	ISO-NE	Quebec	Ontario	Totals
<b>Initial Values (TTC Summer Ratings)</b>	1450	1400	1690	1850	6390
<b>Grandfathered Rights*</b>	1080	0	1110	0	2190
<b>Individual Limits (above GF)</b>	218	401	17	77	713
<b>Simultaneous Limits (above GF)</b>	66	122	5	23	216
<b>Final Values **</b>	1146	122	1115	23	2406

\*Includes ETCNL for these purposes

\*\*2022/2023 Capability Year Subject to Deliverability Study

# Results – continued

	2022-2023 Capability Year					2021-2022 Capability Year				
Four-Control-Area-Participation	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)	218	401	17	77	713	285	459	18	80	842
<i>Individual Limits (above GF) Delta</i>	-67	-58	-1	-3	-129					
Simultaneous Limits (above GF)	66	122	5	23	216	149	241	9	42	441
<i>Simultaneous Limits (above GF)Delta</i>	-83	-119	-4	-19	-225					
Final Values **	1146	122	1115	23	2406	1229	241	1119	42	2631
<i>Final Values** Delta</i>	-83	-119	-4	-19	-225					

\*Includes ETCNL for these purposes

\*\*2022/2023 Capability Year Subject to Deliverability Study

# Questions?