



# **External ICAP Rights for the 2017 through 2018 Capability Year (Prior to Deliverability Testing)**

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# Objective

- ◆ **To determine the maximum amounts of import capacity allowed from neighboring Control Areas (CAs) (Sec 4.9.6 ICAP Manual)**
- ◆ **MARS simulations were performed in accordance with MST 5.12.2.2 to determine the sum of the individual capacity import contributions without violating the LOLE criterion**

# Ties Excluded

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

# Methodology

- ◆ **Initial MARS Database: 2017-2018 IRM database as updated for the LCR study**
- ◆ **Model Grandfathered imports consistent with the IRM study**
- ◆ **Determine the maximum imports for each Control Area individually by increasing imports on each CA's ties until the LOLE levels in the base case are met**

# **Methodology - Continued**

- ◆ **Perform simultaneous runs by increasing the ICAP imports based on the individual limits (beyond the Grandfathered imports) until the LOLE levels in the base case are met**
- ◆ **These ICAP imports, when added to the Grandfathered imports, determine the total simultaneous import limits before deliverability**

# **Methodology Changes**

- ◆ **There were no changes in the methodology from last year**
- ◆ **The methodology was performed including IESO participation in capacity imports**
- ◆ **The assumption used for the IRM, LCR, and this work is that the 2015 Class Year will be complete and 20 MW of additional CRIS coming from Quebec will be awarded**

# Calculations

	PJM	ISO-NE	Quebec	Ontario	Row Totals
<b>Initial Values (TTC Summer Ratings)</b>	1450	1400	1500	2000	6350
<b>Grandfathered Rights*</b>	1080	0	1110	0	2190
<b>Individual Limits (above GF)</b>	212	1075	18	450	1755
<b>Simultaneous Limits (above GF)</b>	60	306	5	128	500
<b>Final Values</b>	<b><u>1140</u></b>	<b><u>306</u></b>	<b><u>1115</u></b>	<b><u>128</u></b>	<b><u>2689</u></b>

\* Includes ETCNL for these purposes



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

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