ICAP Market External Control Area Sales

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ICAP Market Operations

Installed Capacity Subcommittee

June 5, 2019, NYISO



ISO-NE Capacity Trades



Requirements

Exports

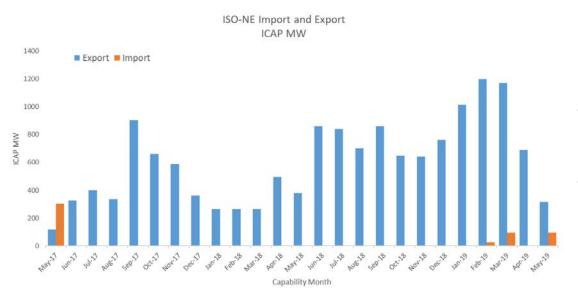
- Must notify NYISO of export
- Export information verified by the NYISO with External Control Area

Imports

- Assurance that ISO-NE will not curtail resource
 - Normally done via delist bid in their capacity auctions
- Valid DMNC test or equivalent submitted
- Operating data for past 24 months
- No intermittent resources
- Must clear in auctions or submit valid bilateral agreements
 - Imports cannot exceed interface limit



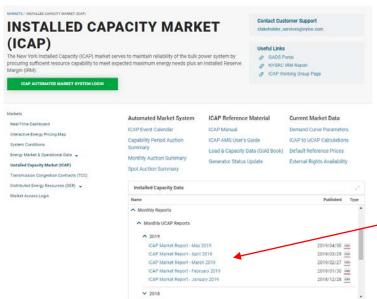
Historic values



- Data presented is from capacity certified through the NYISO Automated Market System
- Does not include HQ wheel

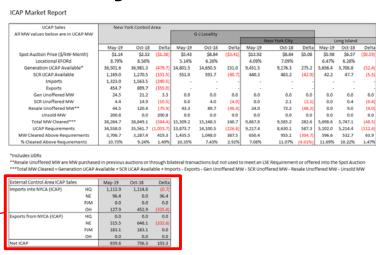


External sales data availability



This information can be found under the ICAP section of the NYISO website:

https://www.nyiso.com/installed-capacity-market



The NYISO publishes a monthly report of market activity for the upcoming Capability month. External Control Area ICAP imports and exports can be found here.



Locality Exchange Factors



Locality Exchange Factors overview

- Mechanism to correct pricing inefficiency in ICAP market due to capacity export out of an Import Constrained Locality.
 - Process will send price signal that a portion of the exporting generator UCAP can be provided by a ROS generator instead
- Shifts the UCAP Demand Curve, but does not affect the IRM
 - LEF shift factors posted no later than January 31st of each year, and the NYSRC is notified
- Generators exporting from a locality must notify the NYISO approximately one month prior to the month of export
 - Generators are subject to NYISO Supplier-Side Market Power Mitigation Rules



Locality Exchange Factors application

- NYISO calculates and publishes locality exchange factors for each Capability Year
- Generators looking to export out of a Locality must notify the NYISO one month before Capability month
 - NYISO calculates new monthly purchase requirements based on the Locality Exchange Factors

Locational Calculations						
Location	Forecasted Peak Load MW	Requirement %	Derating Factor %	ICAP MW Requirement	UCAP MW Requirement	UCAP Effective %
G-J Locality	15,845.5	92.30%	5.14%	14,625.4	13,873.7	87.56%
LI	5,240.1	104.10%	6.47%	5,454.9	5,102.0	97.36%
NYC	11,606.9	82.80%	4.09%	9,610.5	9,217.4	79.41%
NYCA	32,383.2	117.00%	8.79%	37,888.3	34,558.0	106.72%

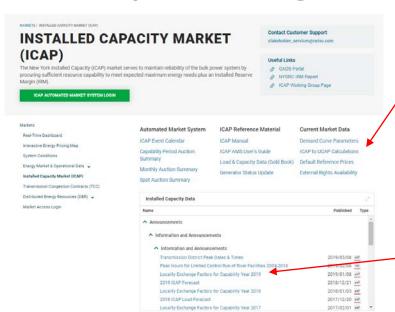
If an LEF is applied, it will be result in a market adjustment to ICAP/UCAP MW purchase requirements for the affected locality

	Export From:				
GHI Export		Zone J Export			
Export To:	determine LSEs G-J Locality	determine LSEs G-J Locality	LE Factor applied to determine LSEs Zone J Locational Minimum UCAP Requirment		
PJM	46.7%	46.2%	93.0%		
Ontario	100.0%	100.0%	100.0%		
HQ	100.0%	100.0%	100.0%		
NE	48.1%	47.6%	100.09		

Public LEF Posting



Locality Exchange Factors application



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Public LEF Posting



The Mission of the New York Independent System Operator, in collaboration with its stakeholders, is to serve the public interest and provide benefits 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 policy makers, stakeholders and investors in the power system



www.nyiso.com



Appendix 1 Locality Exchange Factors



