

# Informational LCR Results

Amended and reposted on 11/21 to include informational TSL results

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**ICAPWG**

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NYISO, Rensselaer, NY

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# Purpose

- **This presentation provides informational LCR results using updated Installed Reserve Margin study assumptions**
  - This presentation builds on the 10/3/19 ICAPWG presentation on the same topic
- **Next steps in setting LCRs**

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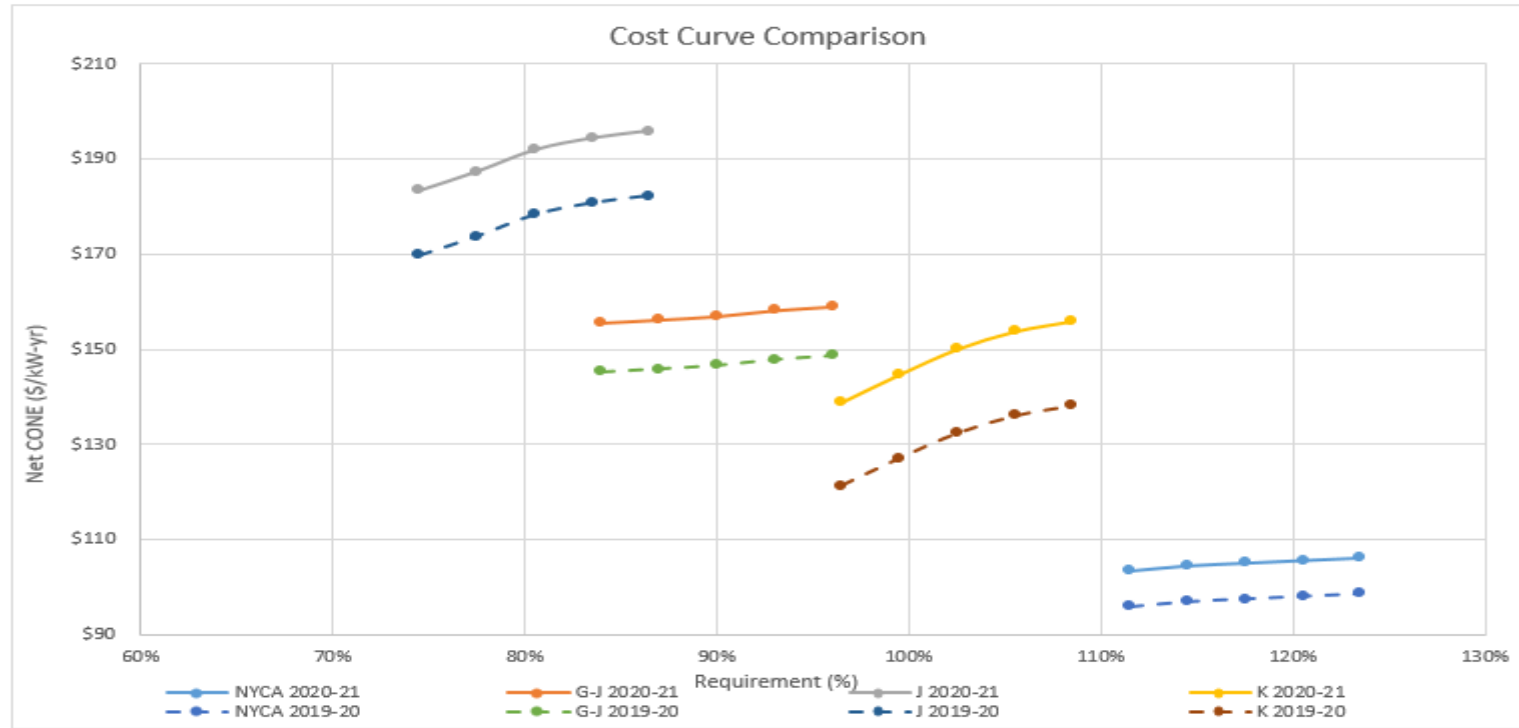
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# Input assumptions

- **Installed Reserve Margin (IRM) study assumptions**
  - Consists of MARS input files
  - Referred to as the “IRM Final Base Case”\*\*
- **Transmission Security Limits based on the 2020-21 bulk power transmission capability values and 2020 IRM Final Base Case derating factors**
  - Final load values will not be available until late December
- **2020-21 Capability Year Net CONE Curves**
  - Determined consistent with the public LCR determination process, which is posted on the NYISO website
  - Curves will be posted on the ICAP section of the NYISO public website (under “Reference Documents > LCR Calculation Process”)

\*\* The “IRM Final Base Case” requires the approval of the NYSRC (in December) and may require adjustment to align it with the IRM adopted by the NYSRC.

# 2020-21 Capability Year Net CONE Curves



<https://www.nyiso.com/documents/20142/9062219/2020-2021%20Annual%20Update%20110519%20ICAPWG.pdf/75d4bfe1-8b6e-bfd1-d84e-0ba7bfe80f6c>



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## Cost curves, cont'd

- Points were updated from the prior year curves by adding the change in the “Annual ICAP Reference Value” between Capability Year 2019-20 and Capability Year 2020-21 to each point on the 2019-20 cost curve
  - All localities saw an increase in reference price

# 2019-20 Final LCRs

	NYCA	G-J	NYC	LI
2019-20 LCRs	117.0%	92.3%	82.8%	104.1%

- TSL values for last year are

- G-J: 88.3%
- J: 80.2%
- K: 103.4%

# Informational LCRs for the IRM Final Base Case with 2020-21 Capability Year cost curves

2020 FBC	NYCA	G-J	NYC	LI	Total Cost (MM\$)*
FBC LCRs	119.0%	90.6%	86.9%	103.3%**	\$5,463.20

\* Total cost as calculated by the LCR software, at the level of excess, considering Net CONE Curves.

\*\* The TSL Limit for Long Island was binding.

# Comparison with October 3<sup>rd</sup> ICAPWG results

	NYCA	G-J	NYC	LI
PBC LCRs	118.6%	90.3%	86.7%	103.2%*
FBC LCRs	119.0%	90.6%	86.9%	103.3%*
<i>deltas</i>	0.4%	0.3%	0.2%	0.1%

\* The TSL Limit for Long Island was binding.

- **Load shape updated from PBC to FBC**
  - [http://www.nysrc.org/pdf/MeetingMaterial/ICSMaterial/ICS%20Agenda%202024/2020\\_IRM\\_Study\\_Forecast\[11061\].pdf](http://www.nysrc.org/pdf/MeetingMaterial/ICSMaterial/ICS%20Agenda%202024/2020_IRM_Study_Forecast[11061].pdf)
- **Net CONE Curves updated from PBC to FBC**
- **TSLs for this case are:**
  - G-J: 87.1%
  - J: 80.3%
  - K: 103.3%
  - TSL changes from the 10/3 ICAPWG presentation were due to the updated IRM Load forecast

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# Next steps in setting LCRs

- NYSRC to vote on the NYCA IRM in December
- NYISO will incorporate the NYSRC IRM into the final LCR determination
- NYISO will incorporate the ICAP Load forecast into the final LCR determination
  - ICAP Load forecast is published in late December
- NYISO will present LCRs to the Operating Committee

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# Additional steps

- **Final LCRs will be determined in accordance with the publicly posted LCR process document**
  - That process document was posted on 11/16/2018, and is available at this web link:  
[http://www.nyiso.com/public/webdocs/markets\\_operations/market\\_data/icap/Reference\\_Documents/LCR\\_Calculation\\_Process/LCR\\_determination\\_process.pdf](http://www.nyiso.com/public/webdocs/markets_operations/market_data/icap/Reference_Documents/LCR_Calculation_Process/LCR_determination_process.pdf)
- **Final LCR inputs and the LCR report will be posted on the NYISO website**
  - [http://www.nyiso.com/public/markets\\_operations/market\\_data/icap/index.jsp](http://www.nyiso.com/public/markets_operations/market_data/icap/index.jsp)
  - Under “Reference Documents > LCR Calculation Process”

# Questions?

Questions or comments can be sent to [irm@nyiso.com](mailto:irm@nyiso.com)

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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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