

Informational LCR Results

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Agenda

- **Review Net CONE curves for 2021 LCRs**
- **Updated Preliminary TSL for 2021**
 - Using the October forecast and Final Base Case EFORd values
- **Results**
- **Next Steps**

2021 Preliminary Net CONE Curves

- Created as part of the Demand Curve Reset process

- Since it is a Demand Curve Reset year, the full curve has been updated*

- Associated Proxy Units:

- NYBA: 328.5 MW
 - Zones G-J: 347.0 MW
 - Zone J: 348.8 MW
 - Zone K: 348.8 MW

*Note: MST § 5.11.4 states that NYISO shall use filed CONE values to be applicable in the first Capability Year covered by applicable periodic ICAP Demand Curve review.

| 2021-2022 Capability Year LCRs: Preliminary Net CONE Curves | | |
|---|---------|---------------------|
| Location | LCR (%) | Net CONE (\$/kW-yr) |
| NYCA | 112.9% | 78.82 |
| | 115.9% | 80.45 |
| | 118.9% | 81.83 |
| | 121.9% | 83.14 |
| | 124.9% | 83.69 |
| G-J | 84.0% | 110.9 |
| | 87.0% | 113.06 |
| | 90.0% | 114.63 |
| | 93.0% | 116.07 |
| | 96.0% | 116.76 |
| Zone J | 80.6% | 156.13 |
| | 83.6% | 161.01 |
| | 86.6% | 162.99 |
| | 89.6% | 164.55 |
| | 92.6% | 164.66 |
| Zone K | 97.4% | 90.31 |
| | 100.4% | 99.78 |
| | 103.4% | 105.62 |
| | 106.4% | 108.57 |
| | 109.4% | 111.12 |

2021 Preliminary TSL Values

Preliminary Base Case TSL calculations

| Transmission Security Requirements | Formula | GHIJ | NYC | LI | Source |
|------------------------------------|-------------------|--------------|--------------|---------------|----------------------------|
| Load Forecast (MW) | [A] = Given | 15,385 | 11,232* | 5,282* | 2021 October Load Forecast |
| Transmission Security Limit (MW) | [B] = Given | 3,400 | 3,200 | 350 | 2020 TSL Report |
| Minimum UCAP Needed (MW) | [C] = [A]-[B] | 11,985 | 8,032 | 4,932 | |
| UCAP Needed Percent | [D] = [C]/[A] | 77.90% | 71.51% | 93.37% | |
| 5 Year EFORD | [E] = Given | 10.07% | 9.17% | 9.24% | 2021 PBC EFORD |
| ICAP Needed (MW) | [F] = [C]/(1-[E]) | 13,327 | 8,843.2 | 5,434.1 | |
| ICAP Floor Requirement (TSLs) | [G] = [F]/[A] | 86.6% | 78.7% | 102.9% | 2021 PBC TSLs |

* This value includes the ACHL from BTM:NG in Zone J (21.3 MW) and Zone K (42.0 MW)

Note: Final TSL values will be calculated when the final ICAP Load forecast is made available in December 2020

Preliminary LCR Results

■ Master Input File

- IRM Final Base Case (FBC) MIF

Optimized LCRs

| | NYCA IRM | G-J | NYC | LI |
|---------------|----------|-------|-------|----------|
| 2021 PBC LCRs | 20.1%* | 88.5% | 81.5% | 102.7%** |
| 2021 FBC LCRs | 21.3%* | 89.5% | 80.7% | 102.9%** |
| <i>deltas</i> | 1.2% | 1.0% | -0.8% | 0.2% |

* Determined by ICS Tan 45 Process

** The TSL Limit for Long Island was binding

Next Steps

- **The NYISO will calculate Final TSL values in December using the final ICAP Load forecast**
- **The NYISO will calculate final LCRs in January 2021 using**
 - Approved Final IRM Case
 - Final ICAP Load Forecast
 - Final TSL values
- **Final LCRs will be presented to the Operating Committee in January 2021**

Questions?

Questions or comments can be sent to 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 policymakers, stakeholders and investors in the power system

