

Market Services Tariff Revisions related to Capacity Accreditation

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Management Committee

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Agenda

- **Background**
- **Market Services Tariff Revisions**
- **Next Steps**
- **Appendix**

Background

Background

- On May 10th, 2022, the FERC approved the market design for Capacity Accreditation as part of the NYISO's Comprehensive Mitigation Review filing
- The goal of this year's Capacity Accreditation project was to (1) develop the implementation details and technical specifications for the market design and (2) propose necessary ICAP Manual revisions
 - The full set of implementation details and ICAP Manual revisions were presented at the December 14th, 2022, Business Issues Committee meeting
 - In developing the implementation details, a conforming tariff revision was determined to be required for MST 5.12.7

Market Services Tariff Revisions

Market Services Tariff Revisions

■ MST Section 5.12.7

- MST Section 5.12.7 has been revised to reflect the proposed bidding, scheduling, and notification requirements for Resources with an Energy Duration Limitation longer than the Peak Load Window
 - Under the implementation of the Capacity Accreditation market design, it may be possible for a Resource to elect an Energy Duration Limitation longer than the Peak Load Window
 - Currently, there are no rules governing the bidding, scheduling, and notification requirements outside the Peak Load Window for Resources with an Energy Duration Limitation longer than the Peak Load Window

Next Steps

Next Steps

- **Q1 2023**
 - File stakeholder and board-approved MST 5.12.7 revisions with FERC
 - File the informational filing, summarizing the final implementation details for Capacity Accreditation, with FERC

Questions?

Our Mission & Vision



Mission

Ensure power system reliability and competitive markets for New York in a clean energy future



Vision

Working together with stakeholders to build the cleanest, most reliable electric system in the nation

Appendix

Previous Discussions

Previous Discussions

Date	Working Group	Discussion Points and Links to Materials
August 5, 2021	ICAPWG	Review of Existing Capacity Accreditation Rules: https://www.nyiso.com/documents/20142/23590734/20210805%20NYISO%20-%20Capacity%20Accreditation%20Current%20Rules%20Final.pdf
August 9, 2021	ICAPWG	Capacity Accreditation Proposal: https://www.nyiso.com/documents/20142/23645207/20210809%20NYISO%20-%20Capacity%20Accreditation%20Straw%20Proposal.pdf
August 30, 2021 & August 31, 2021	ICAPWG	Capacity Accreditation Proposal: https://www.nyiso.com/documents/20142/24172725/20210830%20NYISO%20-%20Capacity%20Accreditation_v10%20(002).pdf
September 28, 2021	ICAPWG	Comprehensive Mitigation Review Proposal and Tariff: https://www.nyiso.com/documents/20142/24925244/20210928 NYISO - CMR Final.pdf/769828a1-f224-0140-240b-0762ec18efec
October 18, 2021	ICAPWG	Comprehensive Mitigation Review Proposal and Tariff Updates: https://www.nyiso.com/documents/20142/25440628/20211018%20NYISO%20-%20CMR%20v9.pdf/4475e775-159c-75c7-9cf8-7050dad9a363
October 29, 2021	ICAPWG	Comprehensive Mitigation Review Proposal and Tariff Updates: https://www.nyiso.com/documents/20142/25780701/20211029%20NYISO%20-%20CMR.pdf/ea8494b0-0860-b260-89b6-0c418d28a91d

Previous Discussions (cont.)

Date	Working Group	Discussion Points and Links to Materials
November 2, 2021	ICAPWG	<p>NYISO CMR Consumer Impact Analysis: https://www.nyiso.com/documents/20142/25835955/CIA%20-%20Comprehensive%20Mitigation%20Review.pdf/36d447d4-5b33-8ab1-2654-90a529ff1dfe</p> <p>Potomac CMR Consumer Impact Analysis: https://www.nyiso.com/documents/20142/25835955/MMU%20ICAP%20Accreditation%20Consumer%20Impact%20Analysis%2011-02-2021.pdf/637ba21e-db75-a4c1-5b41-f770dd26e529</p>
November 9, 2021	BIC	<p>Comprehensive Mitigation Review Proposal and Tariff: https://www.nyiso.com/documents/20142/25928340/5%2020211109%20NYISO%20-%20CMR%20v3.pdf/84d8b429-126c-68dd-0308-caa50886de92</p> <p>Comprehensive Mitigation Review Approved Motion: https://www.nyiso.com/documents/20142/25928340/110921%20bic%20final%20motions.pdf/785d5869-1e04-9f97-e330-e2e632ae7a9c</p>
November 17, 2021	MC	<p>Comprehensive Mitigation Review Proposal and Tariff: https://www.nyiso.com/documents/20142/26119798/05%20CMR.pdf/11217ade-152a-74a2-d478-6b5ae5e21207</p> <p>Comprehensive Mitigation Review Approved Motion: https://www.nyiso.com/documents/20142/26119798/111821%20MC_Final_Motions.pdf/bbf15d66-4108-7173-1596-9b20677914e6</p>
January 20, 2022	ICAPWG	<p>2022 Market Projects: https://www.nyiso.com/documents/20142/27799605/2022%20Projects%20Presentation.pdf/4553eb95-177d-7cbc-f2fe-7754b7c66644</p>

Previous Discussions (cont.)

Date	Working Group	Discussion Points and Links to Materials
February 3, 2022	ICAPWG	<p>Improving Capacity Accreditation Plan: https://www.nyiso.com/documents/20142/28227906/Improving%20Capacity%20Accreditation%20Plan.pdf/92560e95-5703-4c57-45cb-7706c36f4656</p>
February 24, 2022	ICAPWG	<p>Improving Capacity Accreditation Project Kick Off: https://www.nyiso.com/documents/20142/28687884/Capacity%20Accreditation%20Kick%20off%2002-24-22%20v7.pdf/5ab742c4-650b-5094-6a22-d41a2f29da6f</p> <p>MARS Review (GE Consulting): https://www.nyiso.com/documents/20142/28687884/GE-Support%20for%20NYISO%20Capacity%20Accreditation%20Project_0224-v4.pdf/d302df1c-5607-16a8-ba01-fba700d5bbd1</p>
March 3, 2022	ICAPWG	<p>CMR Draft Deficiency Response: https://www.nyiso.com/documents/20142/28897222/CMR%20Deficiency%20Draft%20Responses%2003-03%20ICAPWG.pdf/0a3c8303-515e-7725-dee5-a9dda1398672</p>
March 16, 2022	ICAPWG	<p>Capacity Accreditation Resource Class Criteria, Resource-Specific Derating Factors, and Areas of Needed Change: https://www.nyiso.com/documents/20142/29177064/Capacity%20Accreditation%2003-16-22%20v7.pdf/b26e6a99-5f4e-29cc-c60c-47608c78c983</p>
March 31, 2022	ICAPWG	<p>Capacity Accreditation Representative Unit Modeling: https://www.nyiso.com/documents/20142/29607069/2%20CA%20Representative%20Unit%20Modeling%2003-31-22%20ICAPWG.pdf/1c3af8ac-625a-5066-3977-8c3d9ae0ddda</p> <p>ELCC and MRI Overview (GE): https://www.nyiso.com/documents/20142/29607069/3%20GE-Support%20for%20NYISO%20Capacity%20Accreditation%20Project_0331.pdf/08355c9a-d104-e1b6-6b8a-8266c61b74a3</p>

Previous Discussions (cont.)

Date	Working Group	Discussion Points and Links to Materials
April 19, 2022	ICAPWG	Capacity Accreditation Adjusted Resource Specific Derating Factors and External Resources: https://www.nyiso.com/documents/20142/30025560/04-19-22%20CA%20Adjusted%20Derating%20Factors%20and%20External%20Resources.pdf/5dd1f4b2-092d-6a6a-3b99-4d768ea6c5eb
April 28, 2022	ICAPWG	Preliminary Capacity Accreditation Resource Classes: https://www.nyiso.com/documents/20142/30276257/04-28-22%20Capacity%20Accreditation%20-%20Preliminary%20CARCs.pdf/c82c47c5-28c2-cf19-c602-16bf3cfc4aca Preliminary ELCC and MRI Results (GE): https://www.nyiso.com/documents/20142/30276257/GE-Support%20for%20NYISO%20Capacity%20Accreditation%20Project_0428.pdf/3c761f16-7bc0-b469-b1e8-c2a69feb58ef
May 24, 2022	ICAPWG	Updated Preliminary CARCs and Annual Process to Establish CARCs: https://www.nyiso.com/documents/20142/30888946/3%2005-24-22%20Capacity%20Accreditation.pdf/cd61d855-f634-0fe8-6109-7d8c0547beda Additional Preliminary ELCC and MRI Results (GE): https://www.nyiso.com/documents/20142/30888946/2%20GE-Support%20for%20NYISO%20Capacity%20Accreditation%20Project_0524.pdf/0976330d-f4eb-4db3-2613-c8be9baf452
June 16, 2022	ICAPWG	Sensitivity Scenarios and Seasonal CAFs: https://www.nyiso.com/documents/20142/31532822/2%20Capacity%20Accreditation%20v6.pdf/4ffe4fa9-bdaf-2c23-77be-d49ed04c5ea5

Previous Discussions (cont.)

Date	Working Group	Discussion Points and Links to Materials
June 28, 2022	ICAPWG	<p>Annual Peak Load Window (PLW) Review and Energy Duration Limitation Proposals: https://www.nyiso.com/documents/20142/31790818/06-28-22%20PLW%20and%20EDL%20Proposal.pdf/ffca7c8a-767e-3de1-9b46-404f661351b3</p> <p>Revised Shape-based Resource Results and ELR Modeling Functionality in MARS (GE): https://www.nyiso.com/documents/20142/31790818/GE-Support%20for%20NYISO%20Capacity%20Accreditation%20Project_0628.pdf/999c7dfa-0b5d-a6bc-a57a-b35a1cda5aa4</p>
July 21, 2022	ICAPWG	<p>Capacity Accreditation: Project Schedule Update: https://www.nyiso.com/documents/20142/32356084/7-21-2022%20ICAPWG%20Project%20Schedule.pdf/958ef86a-12de-32a1-c115-5c1af39abb54</p>
July 28, 2022	ICAPWG	<p>Capacity Accreditation: SCR CAF Results and Proposal: https://www.nyiso.com/documents/20142/32491922/2%207282022%20ICAPWG%20Capacity%20Accreditation.pdf/3f991228-5011-7cc2-cfd3-a7762fa8c8f6</p> <p>Sensitivity Scenario Methodologies (GE): https://www.nyiso.com/documents/20142/32491922/3%20GE-Support%20for%20NYISO%20Capacity%20Accreditation%20Project_0728.pdf/9fd89cbc-2baa-3c54-dc74-17c2e8cf588a</p>
August 9, 2022	ICAPWG	<p>Modeling Discussion and ICAP Manual Revision Process Options: https://www.nyiso.com/documents/20142/32687686/08-09-22%20Capacity%20Accreditation.pdf/1009a4dc-bb9f-1f3-bb34-908fd8d5704d</p>

Previous Discussions (cont.)

Date	Working Group	Discussion Points and Links to Materials
August 29, 2022	ICAPWG	<p>Annual CAF Proposal, Winter PLW Assessment, and CAF Interaction with the ICAP Demand Curves: https://www.nyiso.com/documents/20142/32977661/Capacity%20Accreditation%2008292022%20ICAPWG.pdf/13c04d12-f77f-3184-15c4-8f0b22897f3d</p> <p>Compiled Preliminary CAF Results: https://www.nyiso.com/documents/20142/32977661/GE-Support%20for%20NYISO%20Capacity%20Accreditation%20Project_LCR-results.pdf/e9fdeb01-1ee0-7651-6a3f-0823aedcef1d</p>
September 30, 2022	ICAPWG	<p>Resource Specific Derating Factor Proposal for Performance-based Resources, CAF Interaction with ICAP Demand Curves, ISO Review of Peak Load Windows, and Modeling CAFs At Criteria vs Level of Excess: https://www.nyiso.com/documents/20142/33520089/9-30-2022%20ICAPWG%20Capacity%20Accreditation%20v3.pdf/0178b3b4-4398-ce4a-3197-224e24086c51</p> <p>Capacity Value Results for 2022 LCR at LOE and 2022 RNA 2030 Base Case (GE): https://www.nyiso.com/documents/20142/33520089/GECCapacityAccreditation-LOEandBaseRNA-results%20v5%20-%20clean.pdf/4e05032a-91c3-ff78-08a2-9202efead08a</p> <p>Consumer Impact Analysis Methodology: https://www.nyiso.com/documents/20142/33520089/CIA%20Methodology%20-%20Capacity%20Accreditation_Final.pdf/37c9b5f5-ab29-8eb0-afd2-fdc369f097f5</p>
October 19, 2022	ICAPWG	<p>Translation Factors for IRM/LCR Studies and Deliverability Testing, Sensitivity Scenario Update, and ICAP Market Resource Adequacy 5 Year Plan: https://www.nyiso.com/documents/20142/33857891/02a_10-19-22%20ICAPWG%20Capacity%20Accreditation.pdf/cae2063d-76d6-b4d3-25d5-fadd0c5e1f50</p> <p>Compiled CAF Results (Excel file): https://www.nyiso.com/documents/20142/33857891/02b_10-19-22%20ICAPWG%20Compiled%20CAF%20Results.xlsx/cf5ad8f9-b4fb-9f44-9df2-672f9a190331</p> <p>Capacity Accreditation - Consumer Impact Analysis: https://www.nyiso.com/documents/20142/33857891/03_Consumer%20Impact%20-%20Capacity%20Accreditation.pdf/1e9097c6-c0ae-b137-dd44-15ce1f5a7841</p>

Previous Discussions (cont.)

Date	Working Group	Discussion Points and Links to Materials
October 27, 2022	ICAPWG	<p>Proposed Modeling Technique for Calculating CAFs and Summary of Initial ICAP Manual and Tariff Revisions - Reposted: https://www.nyiso.com/documents/20142/34087499/10-27-22%20ICAPWG%20Capacity%20Accreditation%20v2%20-%20repost.pdf/23474d78-642b-c476-8f4d-26953fe57bd5</p> <p>ICAP Manual Revisions – First Set: https://www.nyiso.com/documents/20142/34087499/ICAP%20Manual%20Revisions%20for%20Discussion%20v3.pdf/f69334aa-da69-54dd-a805-9f2148439561</p> <p>ICAP Manual Attachment Revisions – First Set: https://www.nyiso.com/documents/20142/34087499/ICAP%20Manual%20Attachments%20v2.pdf/e1e2ec96-4cfc-fb78-01de-c8a97e2ed449</p> <p>Updated Compiled CAF Results (Excel file): https://www.nyiso.com/documents/20142/34087499/10-27-22%20ICAPWG%20Compiled%20CAF%20Results%20v3.xlsx/46982a75-2fac-fcc6-01a8-ae9161edb742</p> <p>Capacity Value Results for 2022 RNA 2030 Cases and IRM 2023 PBC Cases – Reposted (GE): https://www.nyiso.com/documents/20142/34087499/GEEC-CapacityAccreditation-RNA-and-2023-PBC-results%20v4%20-%20repost.pdf/2ecbb723-7a84-cd0f-b8a5-ae385a80214b</p>

Previous Discussions (cont.)

Date	Working Group	Discussion Points and Links to Materials
November 8, 2022	ICAPWG	<p>Capacity Accreditation ICAP Manual & Tariff Revisions: https://www.nyiso.com/documents/20142/34285499/7b%20ICAPWG%20Capacity%20Accreditation%20-%20ICAP%20Manual%20and%20Tariff%20Revisions.pdf/4591f7ee-d6a6-8559-01ca-a066bcc559a1</p> <p>ICAP Manual Revisions - Full Set: https://www.nyiso.com/documents/20142/34285499/7d%20ICAP%20Manual%20Revisions%20-%20Full%20Set%20v2.pdf/aaeb115e-de81-0411-76b3-9a4f0c0302fc</p> <p>ICAP Manual Attachments - Full Set: https://www.nyiso.com/documents/20142/34285499/7c%20ICAP%20Manual%20Attachments%20-%20Full%20Set%20v2.pdf/3cb7f313-1064-dfc7-1da5-88eb152865eb</p> <p>Tariff Revisions to MST 5.12.7: https://www.nyiso.com/documents/20142/34285499/7e%20MST%205.12.pdf/b030d99a-54b4-f52a-9b61-e51c585065a2</p> <p>Capacity Accreditation - Updated CIA – Reposted: https://www.nyiso.com/documents/20142/34285499/11-08-22%20ICAPWG%20Capacity%20Accreditation%20-%20Updated%20CIA%20-%20repost.pdf/0e08be26-8bd5-76da-92a3-45867136f3d0</p> <p>Capacity Accreditation Market Design Summary: https://www.nyiso.com/documents/20142/34285499/7%20ICAPWG%20Capacity%20Accreditation%20-%20Market%20Design%20Summary.pdf/aa364bb3-766b-19fd-d5b3-dfc6af730e89</p>

Previous Discussions (cont.)

Date	Working Group	Discussion Points and Links to Materials
November 21, 2022	ICAPWG	<p>Capacity Accreditation: Updated ICAP Manual & Tariff Revisions and 2023 IRM PBC CAF Results Overview - Revised: https://www.nyiso.com/documents/20142/34549258/11-21-22%20ICAPWG%20Capacity%20Accreditation%20Presentation.pdf/5abfd875-d76e-27e9-d7a3-3b73393d2c13</p> <p>ICAP Manual Revisions - Updated: https://www.nyiso.com/documents/20142/34549258/ICAP%20Manual%20Revisions%20-%2011-21-22%20ICAPWG%20v3.pdf/abe07efd-5b64-8285-7d9e-a85e5de2e858</p> <p>ICAP Manual Attachments - Updated: https://www.nyiso.com/documents/20142/34549258/ICAP%20Manual%20Appendix%20-%2011-21-22%20ICAPWG.pdf/95c84259-6ceb-522a-da00-79441f8422a1</p> <p>Updated Tariff Revisions to MST 5.12.7: https://www.nyiso.com/documents/20142/34549258/MST%205.12%2011-21-22%20ICAPWG%20v2.pdf/f538e679-2af3-c007-cf72-1700e14df542</p> <p>ICAP Manual Attachment N: https://www.nyiso.com/documents/20142/34549258/ICAP%20Manual%20Attachment%20N.pdf/4299055a-0d2c-a0c3-b423-50d555e46baf</p>
December 6, 2021	ICAPWG	<p>Capacity Accreditation: Updated ICAP Manual & Tariff Revisions - Revised: https://www.nyiso.com/documents/20142/34833356/02%2012-06-22%20ICAPWG%20Capacity%20Accreditation%20-%20ICAP%20Manual%20Revision%20Updates%20v2%20clean.pdf/b3affad0-a8cf-842b-f451-99c86ab010b3</p> <p>ICAP Manual Revisions - Updated: https://www.nyiso.com/documents/20142/34833356/2a%20ICAP%20Manual%20Revisions%20-%2012-06-22%20ICAPWG%20v2%20-%20clean.pdf/7cd896a2-e59c-ce12-d33e-ba5bb0cefd0</p> <p>ICAP Manual Attachments - Updated: https://www.nyiso.com/documents/20142/34833356/2b%20ICAP%20Manual%20Appendix%20-%2012-06-22%20ICAPWG%20v1.pdf/a45b8b27-96bd-571a-5497-f70e908a648b</p>

Previous Discussions (cont.)

Date	Working Group	Discussion Points and Links to Materials
December 14, 2021	BIC	<p>Capacity Accreditation: Implementation Details: https://www.nyiso.com/documents/20142/34963268/4%20CA%20Capacity%20Accreditation%20pres.pdf/1364ddad-b31f-4e6d-42c6-68504f69ea9c</p> <p>ICAP Manual Revisions: https://www.nyiso.com/documents/20142/34963268/4%20CA%20ICAP%20Manual%20Revisions.pdf/7a1bb127-5e8f-1b45-ca0f-0ff131bd2dbe</p> <p>ICAP Manual Appendix Revisions: https://www.nyiso.com/documents/20142/34963268/4%20CA%20ICAP%20Manual%20Appendix%20Revisions.pdf/96d1db1a-1ff8-8cd1-bbc8-cd1efdc2b16f</p> <p>MST 5.12.7 Revisions: https://www.nyiso.com/documents/20142/34963268/4%20CA%20MST%205.12.7%20Revisions.pdf/a267070d-d9be-2891-4d65-32a42111d654</p> <p>ICAP Manual Attachment N: https://www.nyiso.com/documents/20142/34963268/4%20CA%20ICAP%20Manual%20Attachment%20N.pdf/a9b10342-d0d1-38d0-93d9-eb17323354bb</p>