



# Manual 33 Update for Data Postings related to Effective Load Carrying Capability (ELCC) Analysis

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Markets and Reliability Committee  
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- The 2025/26 BRA scheduled for July 2024 will be the first auction implementing the set of capacity market reforms approved in FERC Docket No. ER24-99, which included significant changes to the reliability risk modeling used in the Reserve Requirement Study (“RRS”) and the accreditation of capacity resources (Effective Load Carrying Capability or “ELCC” analysis)
- Review of conforming revisions to Markets and Planning manuals for ER24-99 are underway at the MIC and PC, respectively, and are scheduled for a First Read with the MRC on May 22
- The proposed update to Manual 33 described herein is a related item that’s tied to the modeling reforms accepted in ER24-99 and intended to improve transparency into the model and data inputs for stakeholders

- PJM has been publishing supporting data files that provide key inputs and other information related to the RRS / ELCC analyses on PJM's ELCC [webpage](#)
- The data that has been published meets the Manual 33 rules for data postings, including having 4 or more resource owners
- There are additional supporting data files that PJM believes would be helpful to stakeholders in understanding the results of the risk analyses and accreditation of their units, specifically data on hourly outage or availability used in the studies for different resource classes, but there is concern that some hours in that dataset would fail to meet the 4 or more owner requirement
- PJM is seeking a revision to the data postings rules in Manual 33 that would allow this data to be published

The additional supporting data would be aggregated by resource class and provide hourly outage and/or availability rates used in the ELCC analysis, including hourly outage rates for forced outages and ambient de-rates of Unlimited Resource classes and hourly availability rates for Variable Resource classes.

**Note:** Published data would still be limited to resource classes that have at least 4 owners in the resource portfolio studied in the ELCC analysis

### Illustrative Example: Hourly time series of forced outage rates for Unlimited Resource classes

Timestamp	Nuclear	Coal	Gas CT	Gas CT Dual Fuel	Gas CC	Steam	Diesel
2012-06-01 00:00:00	0.0012345	0.05129	0.0254399	0.0212623	0.0113412	0.0123410	0.005342
2012-06-01 01:00:00	0.0012345	0.05129	0.0254399	0.0212623	0.0113412	0.0123410	0.005342
2012-06-01 02:00:00	0.0012345	0.05129	0.0254399	0.0212623	0.0113412	0.0123410	0.005342
2012-06-01 03:00:00	0.0012345	0.07129	0.0254399	0.0212623	0.0113412	0.0123410	0.005342
2012-06-01 04:00:00	0.0012345	0.07129	0.0254399	0.0212623	0.0113412	0.0123410	0.005342
2012-06-01 05:00:00	0.0012345	0.07129	0.0254399	0.0212623	0.0113412	0.0123410	0.005342
...	...	...	...	...	...	...	...
2023-05-31 23:00:00	0	0.021234	.0241234	0.0123415	0.0052352	0.0341235	0.014124

## 6.1 Market Data Postings

To the extent PJM deems information relative to the operation of its electricity markets valuable for public dissemination, or upon request by one or more PJM stakeholders, PJM will post aggregated market data on its public web site. In order to ensure that market sensitive data is not revealed and to prevent potential misuse of such data, PJM will only post aggregated market data to the extent that it meets the following criteria:

- More than three (3) market participants' data in a particular category is being aggregated for posting. For example, if the data being considered for posting is load data, more than three (3) Load-Serving Entities' data must be aggregated; and
- The data to be posted is aggregated over a geographic area no smaller than a PJM transmission zone.

The data to be posted may not violate these criteria both on its own or when used in combination with other previously posted data.

Data that was posted before the creation of this guideline is assumed to be appropriate and acceptable.

Data that does not meet these guidelines may still be posted if such disclosure is deemed acceptable by PJM, the PJM Independent Market Monitor, and the members whose data will be posted.

Notwithstanding the above, the following types of data specified below are deemed not to be confidential and may be disseminated by PJM or the Independent Market Monitor under the limited circumstances described below:

...

**Supporting Data for ELCC Calculations:** In order to support the publishing of appropriate details regarding the methodology and inputs of the ELCC analysis as described in RAA Schedule 9.2, PJM may release hourly outage and/or availability rates aggregated by ELCC Class for any class that has four or more resource owners included in the resource portfolio studied in the analysis.

## Proposed Timing of First Read and Vote:

- **April 25, 2024 MRC:** First Read and Vote

## Alternative Timing:

- **April 25, 2024 MRC:** First Read
- **May 22, 2024 MRC:** Vote

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**Manual 33 Update for Data Postings related to ELCC Analysis**



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