



# FERC Order 881

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Reliability Standards & Compliance  
Subcommittee

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- Initial stakeholder outreach was predominantly PJM Compliance Filing focused
  - Filing completed on July 12, 2022 under docket # [ER22-2359-000](#)
  - High level [PJM Order 881 direction](#) conveyed
- Since Order 881 Special Sessions
  - Industry engagement
  - Inquiries via [Order881@pjm.com](mailto:Order881@pjm.com)

- Approach regarding *Electronic Update of Ratings*
  - Deviating from proposal for the TO to telemeter *EITHER* their Real-time in-use Temp Set *OR* temperature + solar condition to PJM.
  - For AAR PJM will leverage the weather station information used to evaluate forecasted 10-day hourly & Seasonal Temp Sets, to evaluate and communicate to the TOs the in-use Temp Sets for the given (sub-)zones.
  - TO to notify PJM, as today, if PJM in-use ratings (including Temp Set) need adjustment due to local (zone/sub-zone/Facility) conditions.
- AAR Seasonal Ratings (Operations & Operations Planning time horizons)
  - PJM is moving towards 12 monthly seasons.
  - Financial Transmission Rights [FTR] ratings will continue as today, and NOT leverage the AAR Seasonal Ratings due to timeframe/alignment across the auctions.
    - This determination is counter to what was conveyed in an [881 Special Session](#). (slide 9)
    - i.e., FTR auctions will leverage Seasonal Ratings, but not the AAR Seasonal.

## Neighbor/Industry Meetings:

- North American Transmission Forum [NATF] Initiatives
  - *Physics of ratings calculations*\*
  - Calculation process
  - Temperature forecasts, zones & seasonality
  - Tie-line coordination
- ISO/RTO Eastern Interconnection discussions:
  - Ongoing as it relates to [nGEM project](#) work
  - 881 focused outside of nGEM project with neighboring ISO/RTOs

\*Outside of PJM core function. PJM does not calculate ratings, but monitoring as we consume ratings.

Potential considerations that may inform PJM approach:

- Consolidated Transmission Owner Agreement changes, if any, related to Order 881
- NATF best practice guidance and Eastern Interconnection neighbor approaches, as they evolve

- Application impacts and timelines to be conveyed via PJM [Tech Change Forum](#) and [eDART / eDART XML Forums](#)
  - eDART's TERM application will be a leading edge impact, with the majority of work related to ratings framework inputs completed in 2023
  - Additional impacts to PJM Operations & Market systems, with varying timelines out through July 2025.
- OC Monthly Updates/Informationals
- Detailed Sessions, as needed

## PJM EMS Zones (For use in AAR) & Temp Sets

- Any TOs seeking to split their Zone/sub-Zone for area weather alignment
  - Please reach out to [EMSSupport@pjm.com](mailto:EMSSupport@pjm.com)

PJM proposed a Temp Set framework with min of  $-55^{\circ}\text{F}$  and max of  $130^{\circ}\text{F}^*$

- If a TO believes that range needs to be expanded (i.e., They believe their zone experienced historic temperatures below  $-45^{\circ}\text{F}$  or above  $120^{\circ}\text{F}$ )
  - Please notify [Order881@pjm.com](mailto:Order881@pjm.com)

\*To satisfy Order 881 +/- $10^{\circ}\text{F}$  margin & historic requirements (See paragraph 185)

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**FERC Order 881**



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