



Order 881: Applicability, Exceptions & Temporary

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Session 1 [covered](#):

- FERC Ambient Adjusted Rating [AAR] definition
- FERC Transmission Line Rating [TLR] definition
- FERC AAR applicability requirements
 - Thermal Rating applicability in PJM today
 - Associated Facilities AND Monitored Priorities
- FERC Exceptions and Temporary rating requirements
 - Thermal Rating Exceptions in PJM today
 - Conditional (Temporary) Ratings in PJM today

- *AAR* applies to more than lines.
 - As stated in the Order.
- *Facility Rating*, rather than *Transmission Line Rating*, more closely aligns with PJM governing documents and practices.
 - The FERC term *TLR*, used for facilities other than lines, can be misleading.
 - NERC FAC-008 requires ambient conditions to be considered in calculating *Facility Ratings*, which includes lines where applicable.
 - *System Operating Limits*, particularly those that are thermal in nature, are derived from the set of *Facility Ratings*.

PJM Proposed AAR Definition

Ambient-Adjusted Rating (AAR): a **transmission Facility** Rating that: (1) applies to a time period of not greater than one hour; (2) reflects an up-to-date forecast of ambient air temperature across the time period to which the rating applies; (3) reflects the absence of solar heating during nighttime periods where the local sunrise/sunset times used to determine daytime and nighttime periods are updated at least monthly, if not more frequently; and, (4) is calculated at least each hour, if not more frequently.

FERC Order 881 Definition

Ambient-Adjusted Rating (AAR) means a **Transmission Line Rating** that: a) Applies to a time period of not greater than one hour; b) Reflects an up-to-date forecast of ambient air temperature across the time period to which the rating applies; c) Reflects the absence of solar heating during nighttime periods where the local sunrise/sunset times used to determine daytime and nighttime periods are updated at least monthly, if not more frequently; d) Is calculated at least each hour, if not more frequently.

PJM Proposed AAR & Seasonal Rating Exceptions

AAR Exceptions: Where the Transmission **Owner** determines, consistent with Good Utility Practice, that **a transmission Facility** Rating is not affected by ambient air temperature or solar heating, the Transmission Provider may use a **transmission Facility** Rating that is not an AAR or Seasonal **Facility** Rating.

FERC Order 881 Exceptions

Exceptions: Where the Transmission **Provider** determines, consistent with Good Utility Practice, that **the Transmission Line Rating of a transmission line** is not affected by ambient air temperature or solar heating, the Transmission Provider may use a **Transmission Line** Rating for that transmission **line** that is not an AAR or Seasonal **Line** Rating.

PJM Proposed System Reliability / Temporary Ratings

If the Transmission **Owner or Transmission Operator** reasonably determines, consistent with Good Utility Practice, that the temporary use of a **t**ransmission **Facility** Rating different than would otherwise be required by this Attachment is necessary to ensure the safety and reliability of the Transmission System, then the Transmission Provider may use such an alternate rating.

FERC Order 881 System Reliability / Temporary Ratings

If the Transmission **Provider** reasonably determines, consistent with Good Utility Practice, that the temporary use of a **T**ransmission Line Rating different than would otherwise be required by this Attachment is necessary to ensure the safety and reliability of the Transmission System, then the Transmission Provider may use such an alternate rating.

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