



FERC ORDER 881 – MANAGING TRANSMISSION LINE RATINGS



HIGH LEVEL REQUIREMENTS

1. Implementation of ambient-adjusted and seasonal ratings
2. RTOs and ISOs allow TOs to update ratings hourly (DLR)
3. TPs use “uniquely determined” emergency ratings
4. Transparency

<https://www.ferc.gov/news-events/news/staff-presentation-final-order-regarding-managing-transmission-line-ratings>

<https://www.ferc.gov/media/e-1-rm20-16-000>

1. AARS AND SEASONAL RATINGS

- AARs
 - 10 day threshold, hourly values
 - Calculated hourly
 - “sufficient confidence” ... “(i.e., expected temperature plus an appropriate forecast margin)”
 - “We also require AARs to include separate daytime and nighttime ratings”... consideration for predictable solar heating
- Seasonal Ratings
 - No fewer than four seasons, defined by TP
 - Calculated no less than annually
 - “may be derived from historical temperatures”

2. HOURLY RATINGS UPDATES (DLR)

- “RTOs/ISOs to establish and implement the systems and procedures necessary to allow transmission owners to electronically update transmission line ratings at least hourly.”

3. UNIQUELY DETERMINED EMERGENCY RATINGS

- “We define an “emergency rating” in pro forma OATT Attachment M as a transmission line rating that reflects operation for a specified, finite period, rather than reflecting continuous operation.”
- “transmission providers must use emergency ratings that transmission owners determine uniquely from their determination of normal ratings.”
- “we require that emergency ratings also incorporate an adjustment for ambient air temperature and for daytime/nighttime solar heating, consistent with the AAR requirements for normal ratings.”

TRANSPARENCY

- “require public utility transmission owners to share their transmission line ratings for each period for which they are calculated and transmission line rating methodologies with their transmission providers and with market monitors in RTOs/ISOs.”
- Additionally:
 - TP share ratings and methodologies with other TPs upon request
 - TP maintain a database of ratings and methodologies on OASIS
 - TP post on “OASIS which transmission lines qualify for an exception to the AAR or seasonal line rating requirements and the reasons why such transmission lines qualify for an exception.”