



### Integrating Dynamic Ratings into PJM Operations (Phase 1)

#### Problem / Opportunity Statement

In [Order No. 881](#), FERC directed PJM to facilitate the operational implementation of dynamic ratings systems to better reflect the actual transfer capability of the transmission system. Consistent with Order No. 881, PJM proposes to develop manual language that will help it establish and maintain systems and procedures necessary to allow transmission owners to electronically update transmission line ratings (for each period for which transmission line ratings are calculated) at least hourly. Order No. 881 at P37, P255.

Consistent with FERC's directive, and because of an actual deployment of dynamic rating system in the PJM footprint, PJM seeks through the Quick Fix process to enable the operational implementation of dynamic ratings.

PJM proposes the development of a separate Problem Statement and Issue Charge to explore a different set of issues relating to dynamic line ratings at the appropriate Standing Committee(s) or a new Senior Task Force. Topics for discussion as part of this separate stakeholder process would include: impact (if any) to ARR/FTR markets, impact (if any) to planning processes, and potentially other topics.

#### Education

Discussions related to this opportunity should build upon recent stakeholder education provided in the March 30, 2021 [Operating Committee Special Session on DYNAMIC RATING Education](#). Additionally, the following stakeholder presentations may be referenced:

- 1) <https://pjm.com/-/media/committees-groups/forums/emerging-tech/2020/20200827/20200827-item-05-dynamic-line-ratings.ashx>
  - 2) <https://pjm.com/-/media/committees-groups/forums/emerging-tech/2020/20201113/20201113-item-03c-Dynamic Rating-impacts.ashx>
  - 3) <https://pjm.com/-/media/committees-groups/forums/emerging-tech/2021/20210111/20210111-item-03-Dynamic Rating-market-efficiency.ashx>
  - 4) <https://pjm.com/-/media/committees-groups/committees/teac/2020/20201223-special/20201223-item-04-emergent-technologies-modeling-overview.ashx>
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