Ambient Adjusted Ratings

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MISO

MISO, also known as Midcontinent Independent System Operator, is the regional transmission organization based in Carmel, Indiana. They oversee the grid rather than operating any utility equipment on the ground.

MISO TEAM

DATA COLLECTION, ANALYSIS, AND RESEARCH

To look at efficiency, we looked at data from MISO. We found the line ratings could be very high or very low. The NOAA data was quite sparse, and we used weather mapping for more data.

Ambient Adjusted Ratings

Ambient adjusted line ratings are produced from 240 hours of forecasted data. The goal is now to increase the efficiency across the grid.

MOTIVATION

The ambient adjusted line ratings are produced from 240 hours of forecasted data. One of the implications of FERC Ordered 881 is the need for high accuracy in line rating data for accurate economic decisions.

OUTCOMES

Our future work would focus on progressing to dynamic line ratings.

FUTURE WORK

Ambient adjusted ratings allow more electricity to be moved, increasing supply and decreasing price. We expect in shift to dynamic line ratings in the future.

DISCLAIMER: All analysis was based off simulated data, not data from MISO or its partners.

Nous avons développé cette analyse basée sur des données simulées, pas des données de MISO ou de ses partenaires.