

AEP - JUG STREET, HYATT SHORT CIRCUIT VIOLATION(S)

The 2024 PJM short circuit cases identified additional 4 x 138 kV breakers at Jug Street substations as overdutied in the 2024 time frame. This analysis is part of the normal RTEP short circuit activities to review both five year and two year timeframes for short circuit analysis.

The overdutied breakers were identified part of a Modeling Correction in the 2022 series RTEP -2024 short circuit analysis at the Jug Street substation. A 345/138 kV transformer at Babbit substation was modeled offline incorrectly in the previous year model. As this transformer modeling is corrected in the PJM cases, these Jug Street breakers (BG, BH, BJ, BK) have been identified as overdutied in the near-term (2-year out) short circuit case.

As a result, these projects will be designated immediate need to address the near term violation(s) of the overdutied 138kV breakers at the Jug Street (BG, BH, BJ, BK) substations in the 2024 timeframe. Because these breakers are wholly located inside existing substations owned by AEP, AEP will be the designated entity to perform the work to replace the overdutied breakers.