



An **AEP** Company

BOUNDLESS ENERGY™

AEP 715 Criteria Violations

TEAC

November 14, 2019

Background

- **FERC Form 715**
 - **Added N-1-1 requirement for non-BES**
 - **First limited implementation in 2017 using generic contingencies**
 - **Undertook a system wide initiative to create and update sub-transmission contingencies and winter loads**
 - **Resulted in detailed representation and confirmation of 2,652 non-BES contingencies**

Results

- **~230 unique buses with voltage issues**
- **~125 unique branches with thermal violations**
- **~425 unique contingencies that cause a violation**
- **Working with PJM to verify and validate analysis**
- **Will bring constraints to stakeholders as they are validated**
- **AEP will be working with PJM to present the solutions for these issues by June 2020**