

AMP Transmission 2019 Planning Assumptions

Components

- **Baseline Planning Assumptions & Criteria**
 - RTEP Base Case
 - PJM Baseline Planning Criteria
 - AMPT FERC 715 Planning Criteria
- **AMPT Interconnection Requirements**
- **AMPT Transmission Supplemental Planning Need Drivers**

2019 Planning Assumptions

- **Objective:**
 - Evaluate projected future system conditions identifying all potential reliability criteria violations
 - Develop associated system improvements to resolve any identified violations to ensure adherence with all NERC TPL, PJM and AMPT 715 planning criteria
- **AMPT utilizes three available models for its yearly planning assessments. Unless otherwise noted, AMPT will utilize the following models:**
 - Present calendar year's PJM RTEP power flow models with 5, 10, or 15 year forward looking system topology, load, and generation projections.
 - Present calendar year's PJM RTEP short models with 5, 10, or 15 year forward looking system topology, and generation projections
 - Present calendar year's MMWG power flow models with 5, 10, or 15 year forward looking system topology, load, and generation projects.

2019 Planning Assumptions

- Loads: 2018 actuals non-coincident peak loads utilized to project 2019 loads
- Behind-The-Meter Generation: modeled independent of loads, based upon reported capability
- AMP Transmission plans all facilities in accordance with PJM's manual 14 series
 - <https://www.pjm.com/library/manuals.aspx>
- AMP Transmission will conduct a yearly planning assessment in accordance with
 - AMPT FERC 715 planning criteria
 - <https://www.pjm.com/planning/planning-criteria/to-planning-criteria.aspx>
 - AMPT's interconnection requirements available on PJM's website.
 - <https://www.pjm.com/planning/design-engineering/to-tech-standards.aspx>
- All plans developed will ensure adherence to the above planning assumptions and criteria.
- All deviations from the above stated assumptions and models will be otherwise noted

Baseline Assessments

- Coordinate with PJM to verify accuracy of modeling information and violations identified through PJM's and AMPT's planning analysis.
- Develop baseline projects targeted at mitigating identified baseline criteria violations.
- All Baseline violations and Baseline solutions will be presented and vetted through the PJM TEAC or Sub-regional RTEP Committees.
- All cases, analysis files and available results will be made accessible through PJM's CEI process.

Supplemental Need Drivers

- Categories of AMPT Supplemental Projects
 - New customer connections
 - Customer requests for additional interconnections and/or configuration improvements
 - Equipment failures
 - TO-TO coordination requirements
 - NEC & NESC requirements
 - Contractual Obligations
 - Governmental regulations