

# AMP Transmission 2020 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**

# 2020 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 2 and 5 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.

# 2020 Planning Assumptions

- Loads: 2019 actuals non-coincident peak loads utilized to project 2020 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