# WVPA PJM RTEP Assumptions
# December 8, 2025

PJM Sub-Regional RTEP Meeting

# WVPA Overview

- Generation & Transmission (G&T) located in Indianapolis, Indiana
  - 21-member distribution cooperatives
  - 17th largest G&T Cooperative in the country
  - ~ 551 miles of transmission at 34.5kV, 69kV, 138kV, 161kV, 230kV, 345kV
  - More than 100 substations
  - Own, maintain transmission facilities in 2 RTOs and 2 states

- Loads
  - WVPA is a summer peaking zone
  - 2025 actual: 148.3 MW non-coincident
  - PJM projection for 2031: 156.3 MW non-coincident



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# RTEP Assumptions

- Models
  - WVPA assists AEP/I&M participation in the development of
    - PJM RTEP cases
    - MMWG base cases
  - Internal cases may be developed using PJM base cases
  - Typical annual load flow model updates include but are not limited to
    - Topology updates
    - Contingency updates
    - Updated loads
    - Applicable ratings updates



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# Local Criteria / FERC Form 715

- Baseline Projects
  - Driven by NERC Reliability Criteria and WVPA's FERC Form 715
  - System upgrades are proposed to resolve any violations that meet NERC TPL, PJM, and WVPA reliability standards

- NERC Reliability Criteria
  - TPL-001-4 Transmission System Planning Performance Requirements

- PJM Reliability Criteria
  - Manual 14B
  - www.pjm.com/planning/planning-criteria.aspx

- WVPA Reliability Criteria
  - FERC 715 filing
  - https://www.pjm.com/planning/planning-criteria/to-planning-criteria.aspx



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# Local Criteria / FERC Form 715

- WVPA will coordinate with PJM to identify reliability violation through the PJM RTEP process
  - All validated violations are reviewed at sub-regional RTEP committees
  - All WVPA proposals are reviewed at sub-regional RTEP committees

- All WVPA planning studies utilize the PJM RTEP base cases



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# Attachment M-3

- Supplemental Projects
  - Driven by Local Needs and PJM Attachment M-3

  - New and upgraded member delivery points and all associated system upgrades
    - WVPA member load growth
    - Reliability upgrades to loop radial substations, install SCADA controlled devices, etc.
    - Environmental and safety improvements

  - End of Life (EOL)
    - WVPA reviews regular field inspections and overall asset health to assess the overall operational asset condition
    - All WVPA identified asset replacements are identified and passed to PJM via the EOL Candidate List
      - If an asset is identified, it would become a Need as part of the RTEP process