

# 2020 RTEP Assumptions for Western Sub-region

December 18, 2019

**DP&L**

# 2020 RTEP Assumptions

## Load Flow Cases

- **DP&L participates in the development of**
  - **MMWG base cases**
  - **PJM RTEP cases**
- **Internal cases may be developed using either**
  - **MMWG or**
  - **PJM base cases to study specific system conditions or customer requests**
- **Typical annual load flow model updates include but are not limited to**
  - **Topology updates**
  - **Contingency updates**
  - **Updated load profiles**
  - **Applicable ratings updates, etc.**

## Loads

- **DP&L is a summer peaking zone**
- **2019 actual: 3,242 MW non-coincident**
- **PJM projection for 2025: 3,460 MW non-coincident**

# Baseline Assessment

## Objective

- Evaluate projected transmission system performance to identify potential reliability criteria violations
- Propose system upgrades to resolve any violations and ensure NERC TPL, PJM, and DP&L reliability standards are met

## PJM Reliability Criteria

- Manual 14B
- [www.pjm.com/planning/planning-criteria.aspx](http://www.pjm.com/planning/planning-criteria.aspx)

## DP&L Reliability Criteria

- FERC 715 filing
  - Updated criteria presented to Planning Committee in September 2019
  - <https://www.pjm.com/planning/planning-criteria/to-planning-criteria.aspx>
- Facility Connection Requirements
  - Configuration requirements further detailed in latest revision
  - [www.pjm.com/planning/design-engineering/to-tech-standards.aspx](http://www.pjm.com/planning/design-engineering/to-tech-standards.aspx)

# Baseline Assessment

## Process

- **Coordinate with PJM to validate any potential reliability violations identified through PJM RTEP analysis and local assessment**
- **Present any potential reliability violations/solutions to the TEAC and/or Sub-regional RTEP Committees**
- **RTEP load flow cases will be made available through PJM, subject to CEII guidelines**

# DP&L Supplemental Projects

## Project Categories

- **New customer delivery points**
  - Service to new and existing customers
- **Source for underlying distribution**
  - Distribution load growth
  - Distribution circuit ties
- **System configuration improvements**
  - Elimination of three terminal lines and hard taps
  - Enhance switching capability
- **Operational Performance**
  - Outage performance
  - Material condition
  - System operating conditions

**All needs and solutions will be reviewed at the sub-regional TEAC meeting for stakeholder input as part of the M-3 Process**