

PSE&G Modeling & Procedures

Base Case Models

- Use PJM RTEP models for all assessments; includes PSE&G 69kV network
- MMWG 2015 series models for years where no PJM case is available, consistent with methodology in PJM Manual 14B
- All RTEP projects with in-service dates prior to the study year summer are modeled as in-service

Planning Criteria

- NERC Reliability Standards
 - Applied to all BES facilities
 - TPL-001, TPL-002, TPL-003, TPL-004

- PJM Regional Transmission Planning Process: Manual 14B

- PSE&G Planning Criteria
 - Detailed in FERC 715 filing submitted annually

System Load

- Summer and winter peaks loads will be consistent with the load levels shown in the 2016 PJM Load Forecast Report for regional level analyses
- PSE&G local area analyses use PSE&G load forecast data
- Shoulder-season loads follow convention detailed in the Eastern Interconnection Reliability Assessment Group MMWG Procedural Manual

PSE&G Supplemental Projects

- Projects that are not the result of violations to NERC TPL Standards, PJM or PSE&G reliability criteria, but address problems that impact PSE&G reliability performance and standards, subject to an exception for certain 69kV facilities.
 - Maintaining reliability to the PSE&G 138kV customers and sub-transmission network by minimizing the impact of forces/scheduled outages.
 - Addressing PSE&G's maximum allowable load drop.
 - Addressing equipment condition.
 - Improving and maintaining a reliable supply to the distribution system.
 - Modernizing the system to improve operational performance (e.g. optical fiber, telemetry upgrades).

PSE&G Supplemental Projects – 69kV Projects

- PSE&G criteria includes both transmission and distribution system violations.
- We classified certain 69kV projects as supplemental given that the drivers for these projects are primarily distribution related, including 26kV aging infrastructure, reliability criteria violations and insufficient capacity.
- All proposed Supplemental Projects will be presented at the regional TEAC or sub-regional TEAC.