

PSE&G Modeling & Procedures

March 8, 2012

Base Case Models

- Use PJM RTEP models for all assessments; includes PSE&G 69kV network
- MMWG 2011 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

System Load

- Summer and winter peaks loads will be consistent with the load levels shown in the 2012 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 MMWG Procedural Manual

Supplemental Projects

- Projects that are not a result of violations to NERC TPL standards, but impact PSE&G reliability criteria and standards
 - PSE&G studies and determines upgrades to maintain reliability to the PSE&G 138kV and sub-transmission network
 - Maximum allowable load drop
 - Equipment age and/or deterioration, reliability centered maintenance
 - Improve and maintain a reliable supply to the distribution system
- All proposed Supplemental Projects will be presented at the regional TEAC or sub-regional TEAC