

- ✓ PECO develops several power system simulation models for internal study use and to meet external obligations
- ✓ Representations include detail for all voltage levels from 500kV to 69kV, 34kV network and 34kV & 13kV radial substations
- ✓ For 2014, PECO will develop simulation models for specific years from 2015-2025 and load levels from summer peak to light load
- ✓ 2013 Series MMWG power flow cases used as a starting point

- ✓ PECO topology updated to include latest design changes, new or canceled transmission and distribution projects
- ✓ Eastern PJM topology modified as needed to properly model significant transmission projects consistent with PJM's posted construction schedule
- ✓ PECO bus loads modified using individual substation peak load forecast developed internally, then scaled to meet target value for PECO zone from 2014 LAS report
- ✓ Eastern PJM individual company total load scaled as needed to meet target value from 2014 LAS report
- ✓ New IPPs with a signed ISA and existing generators scheduled for retirement modeled consistent with PJM's IPP Queue lists and generator retirement schedule

- ✓ Annually, PECO studies a variety of system conditions that may occur over the next ten years
- ✓ Intention is to identify potential future system problems before solutions are required to allow sufficient time to develop and study alternative plans
- ✓ Also provides an opportunity to modify projects already in RTEP to improve system performance longer term
- ✓ Specific thermal and voltage limits applicable to PECO's facilities are described in the "ComEd and PECO Transmission Planning Criteria" document