✓ 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 2015, PECO will develop simulation models for specific years from 2016-2026 and load levels from summer peak to light load

✓ 2014 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 2015 LAS report.

Eastern PJM individual company total load scaled as needed to meet target value from 2015 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