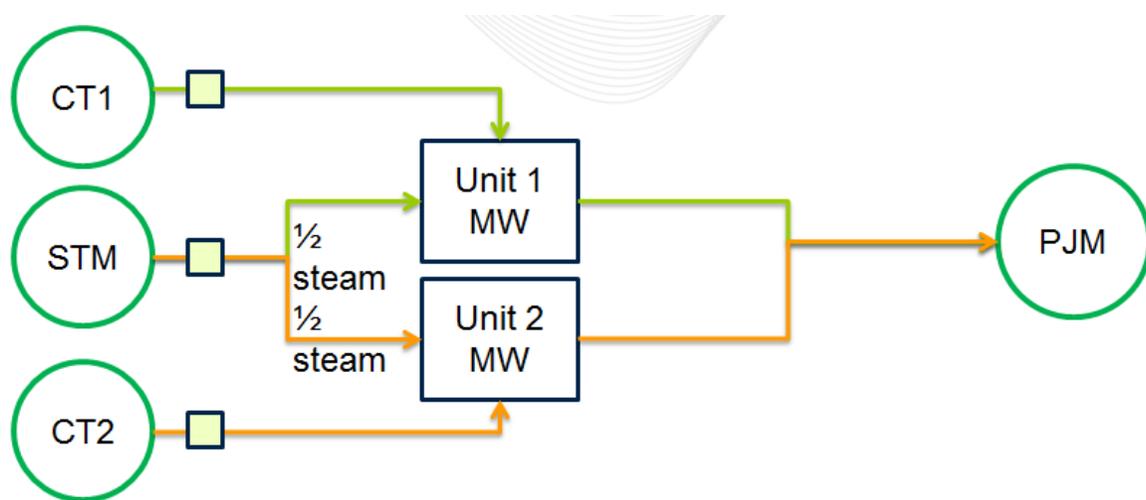# MGSTF Short Term Solution Update
and
Peaking Segment Proposal

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- Formalize Duct Burner Commitment / Peaking Segment Day Ahead and Real Time rules and operation in manuals

- Hourly Ramp Rate Updates consistent with EPFSTF efforts

- Continue use of the existing Pseudo Model in the short term

- Goal is to encourage unit flexibility

- Peaking Segment MW offered into Day Ahead and Real Time are included in Economic Max

- No minimum commitment for peaking segment

- Units with inflexible or restrictive parameters must call PJM Dispatch for permission to enter and exit peaking segment

- Settlements remains unchanged

- The existing Pseudo Model for combined cycles is still allowed

- No proposed changes
  - Eco Max must include peaking segment output capability

- Eco Max includes peaking segment output capability
- Use segmented ramp rates to model resource output for entry and exit of peaking segments
- No requirement to model min load, base load, and peak segment as separate offer points
- PJM's Enhanced Price Formation in Reserve Markets filings includes the ability to change ramp rates hourly

- Starting and stopping a Duct Burner peaking segment

MW	Segments	Up Ramp	Down Ramp	
150	250	10 MW/Min		Eco Min to Base Load
250	252	0.1 MW/Min		20 min start hold
252	300	5 MW/Min		Duct Burner Range up
300	252		5 MW/Min	Duct Burner Range down
252	250		0.1 MW/Min	20 min shutdown hold
250	150		10 MW/Min	Base Load to Eco Min

- No minimum commitment period for peaking segment
    - PJM looked at both manual and SCED commitment options. Neither was considered viable.
- Market Sellers with a flexible peaking segment can follow basepoints into and out of the peaking segment without contacting PJM Dispatch
- Market Sellers with inflexible peaking segment shall request PJM Dispatch permission to enter their peaking segment when following or outside of their SCED economic basepoint
    - If needed for reliability PJM Dispatch will allow the unit to enter the peaking segment
        - Otherwise, PJM Dispatch will log units as running for Company

- Existing rules remain unchanged for:
    - Make Whole
    - Lost Opportunity Cost
    - Deviations