Modification of Clover SPS
Clover Power Station

- Clover Power Station
  - Two 440 MW units
- Three power outlets:
  - Clover-Farmville 230 kV
  - Clover-Halifax 230 kV
  - Clover-Rawlings 500 kV
- With all lines in service
  - No thermal or stability issues
Dominion Zone Transmission
SPS Operation

- SPS Armed only when one of the three sources is out for maintenance
- For the loss of additional outlet
  - Only one outlet remains
  - Trips one Clover generator to avoid stability/thermal issues
Clover 3rd 500-230 kV transformer

- PJM project b1907
- SPS must be modified to incorporate new transformer into the existing SPS logic
Clover SPS Modification

Questions?