



Cloverdale-Lexington Winter 2016 Outage and Bath County Stability SPS Extension

Stakeholder Meetings
August 2015

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- Cloverdale-Lexington 500 kV line outage
 - RTEP project b1797.1 (01/04/16 – 6/30/16)
 - Reconductor
 - Expected in-service date of 6/30/2016
 - Supplemental project s0505 (09/17/16 – 10/21/16)
 - Replacing Cloverdale transformers
 - Expected in-service date of 12/31/2016

- **Capacity Impact**
 - One generator reduction at Bath County due to stability
 - Can be mitigated with the existing Bath Stability SPS
- **Congestion (localized)**
 - Potential thermal and/or low voltages on the 138 kV
 - Switching and local generation are available for control

- Assessment
 - No reliability issues identified over winter period
 - Projected winter peak load of 131,000 MW
 - Sensitivity study at higher load (potential polar vortex)
 - Local PCLLRW may be required

- **Bath County Stability SPS**
 - SPS was placed in service in Sept. 2014
 - Specifically for the Dooms-Lexington 500 kV outage
 - Outage will be completed by 12/31/2015
 - Addressed a stability issue
 - Temporary
 - SPS will be evaluated for further use or to be retired

- **Benefits to maintain the SPS for Other Outages**
 - SPS would be beneficial during for Cloverdale-Lexington
 - SPS allows for one additional generator online
 - Increases system capacity during cold weather
 - Lessens outage impact
- **PJM and Dominion will evaluate use beyond 2016**
 - Subsequent 500 kV reconductoring outages



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