

Bath County Thermal SPS retirement



Dominion[®]

September 2016

Background

Original Purpose

- *Minimize N-1 overloads on the Cloverdale 6A & 6B 500/345 kV Transformers and allow a higher pond level via pumping (Bath County -pumped storage facility).*
- *SPS when armed will trip a predetermined number of Bath County pumps if the actual flows on the Cloverdale 500-345kV Transformers were to exceed their temperature adjusted emergency ratings.*
- *Installed in 2009*

Changes

Upgrades

Trail project

Cloverdale-Lexington reconductored

Dooms-Lexington reconductored *

New Valley 500/230 transformer

New Dooms-Lexington 230 kV line *

Cloverdale transformers *

2 new in fall 2016 (765/500 and 500/345 kV transformers)

1 new in summer 2017 (500/345 kV transformer)

Higher ratings

** future*

Retirement

Review

PJM Planning has completed studies and determined the SPS is no longer needed. This has been reviewed with Dominion Generation, Dominion Transmission Planning and AEP.

Plan

Inform SERC of planned Bath County Thermal SPS removal

PJM has a target date of December 1, 2016 to remove language related to the Bath County Thermal SPS from Manual 03

Dominion will retire the Bath County Thermal SPS effective December 1, 2016