

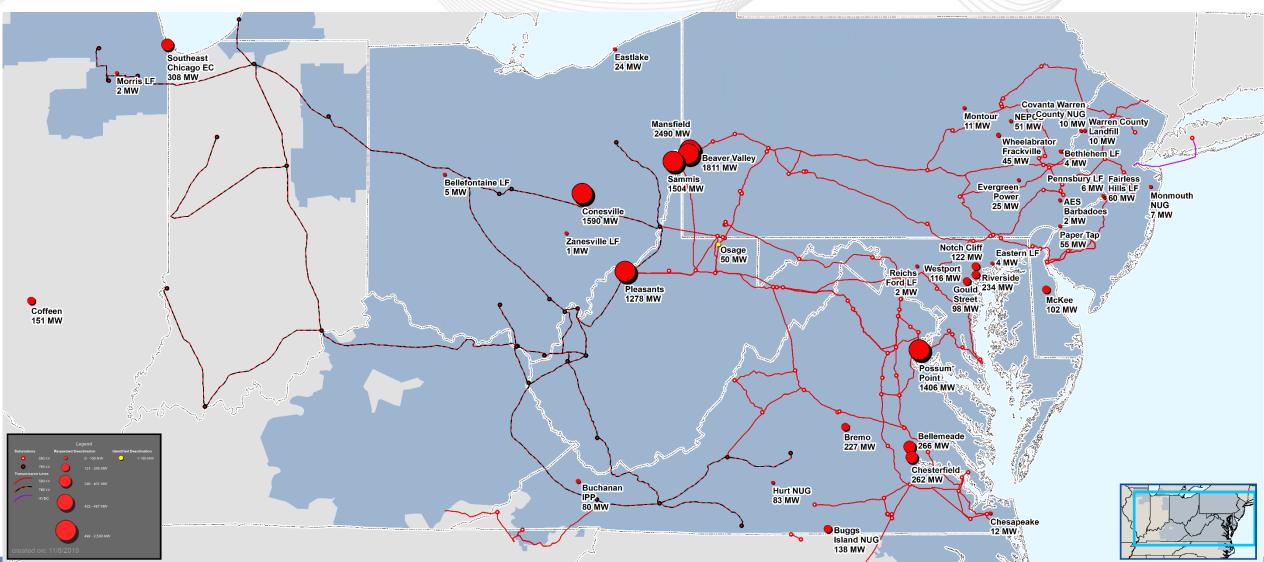
# Generation Deactivation Notification Update

Transmission Expansion Advisory Committee
November 14, 2019

PJM TEAC – 11/14/2019 PJM©2019



### Generation Deactivations for 2018-2019







Unit(s)	Transmission Zone	Requested Deactivation Date	PJM Reliability Status
Osage (50 MW)	APS	01/01/2020	Reliability analysis Complete. No violation identified



## Second Read

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### Problem Statement: N-1-1 thermal for Buchanan 1 and 2 Deactivation: AEP FERC 715 violation

Garden Creek – Whetstone 69 kV line is overloaded for the following scenarios.

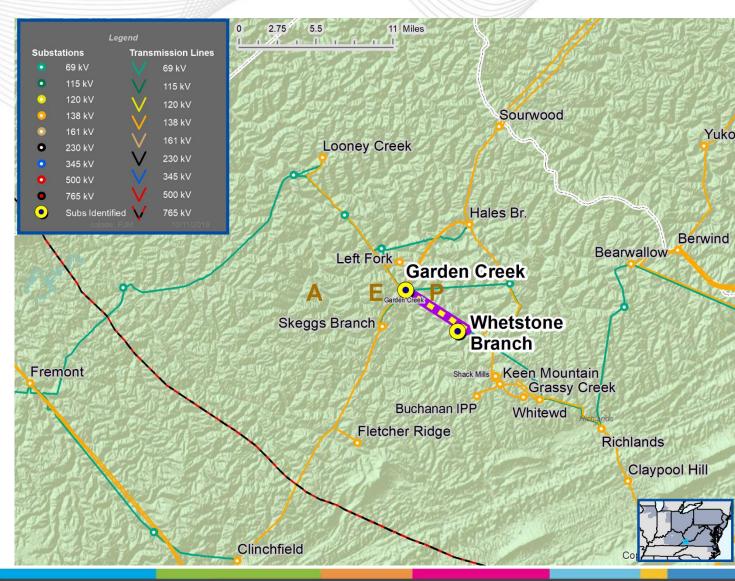
- Single contingency loss of Richland Claypool Hill and Claypool Hill - Broadford 138 kV line followed by single contingency loss of the Hales Branch – Garden Creek and Hales Branch – Shack Mills 38 kV line.
- Single contingency loss of Richland Claypool Hill and Claypool Hill - Broadford 138 kV line followed by single contingency loss of the Hales Branch – Shack Mills 138 kV line and the Hales Branch – Whitewood 138 k line

#### **Recommended Solution:**

- Rebuild the Garden Creek Whetstone 69 kV line (4.65 mile) (b3139).
- Existing Scope Rating: 44 MVA SN / 44 MVA SENew Scope Rating: 102 MVA SN / 142 MVA SE

Required IS Date: 06/01/2023 Projected IS Date: 06/01/2023

**Estimated Project Cost: \$14M** 







Problem Statement: N-1-1 thermal for Buchanan 1 and 2 **Deactivation: AEP FERC 715 violation** 

Whetstone - Knox Creek - Coal Creek 69kV line is overloaded for the following scenarios:

- Single contingency loss of Richlands Broadford 138 kV line followed by single contingency loss of the Whitewood Hales Branch 138 kV liné.
- Single contingency loss of Clinch River Hales Branch 138 kV line followed by single contingency loss of the Richlands Whitewood 138 k line.

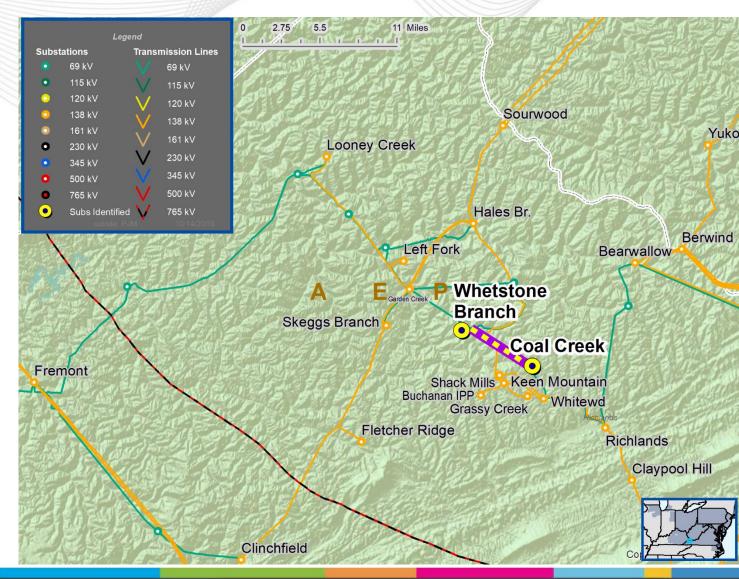
#### **Recommended Solution:**

- Rebuild the Whetstone Knox Creek 69 kV line (3.1 mile) (b3140).
- Rebuild the Knox Creek -Coal Creek 69 kV line (2.9 mile) (b3141).
- Existing Scope Rating: 44 MVA SN / 44 MVA SENew Scope Rating: 102 MVA SN / 142 MVA SE

**Required IS Date:** 06/01/2023 **Projected IS Date:** 06/01/2023

Estimated Project Cost: \$9M – b3140

\$9M - b3141





V1 - 11/08/2019 - Original slides posted