

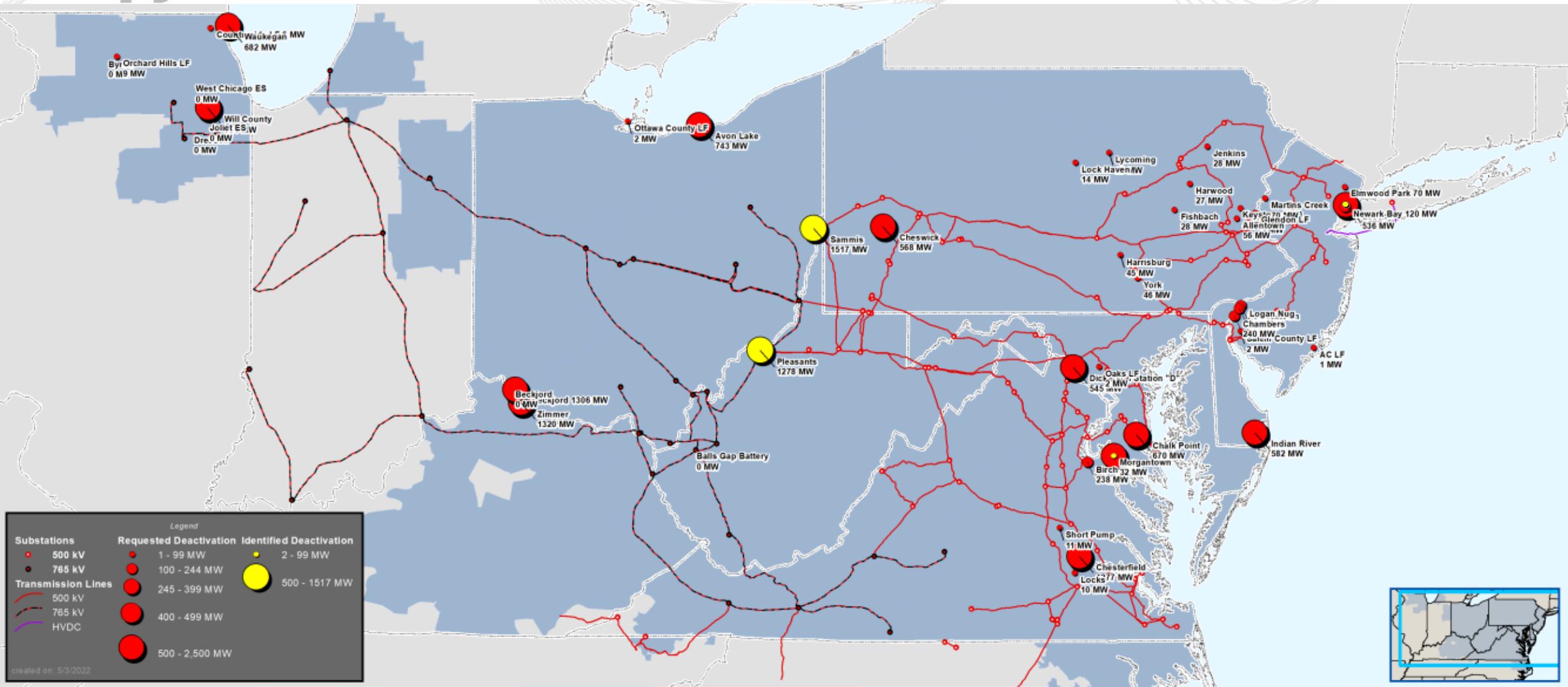


# Generation Deactivation Notification Update

Transmission Expansion Advisory Committee  
May 10, 2022



# Generation Deactivation Announcements 2020-2022





# Deactivation Status

Unit(s)	Transmission Zone	Requested Deactivation Date	PJM Reliability Status
Sammis 5,6, and 7 - 1504.3 MW	ATSI	6/1/2023	Reliability analysis complete. New baseline resolves identified impact. Units can retire as scheduled.
Sammis Diesel - 13 MW	ATSI	6/1/2023	
Pleasant 1 and 2 - 1278 MW	AP	6/1/2023	
Morgantown CT1 and 2 - 32 MW	PEPCO	10/1/2022	Reliability analysis is underway.
Carbon Limestone LF - 19.3 MW	ATSI	7/31/2022	Reliability analysis is underway.

## Problem Statement: Generation Deliverability – Sammis 5,6, and 7 and Pleasant 1 and 2

- Thermal violation: Beaver - Hayes 345 kV line
- Contingency: N-1

## Recommended Solution (New B3714)

At Beaver:

- Replace four 345kV disconnect switches with 3000A disconnect switches;
- Replace substation conductors between bus bar and wave trap;
- Replace line drop and stranded conductor; and
- Upgrade transformer protection relays at two breakers.

At Hayes:

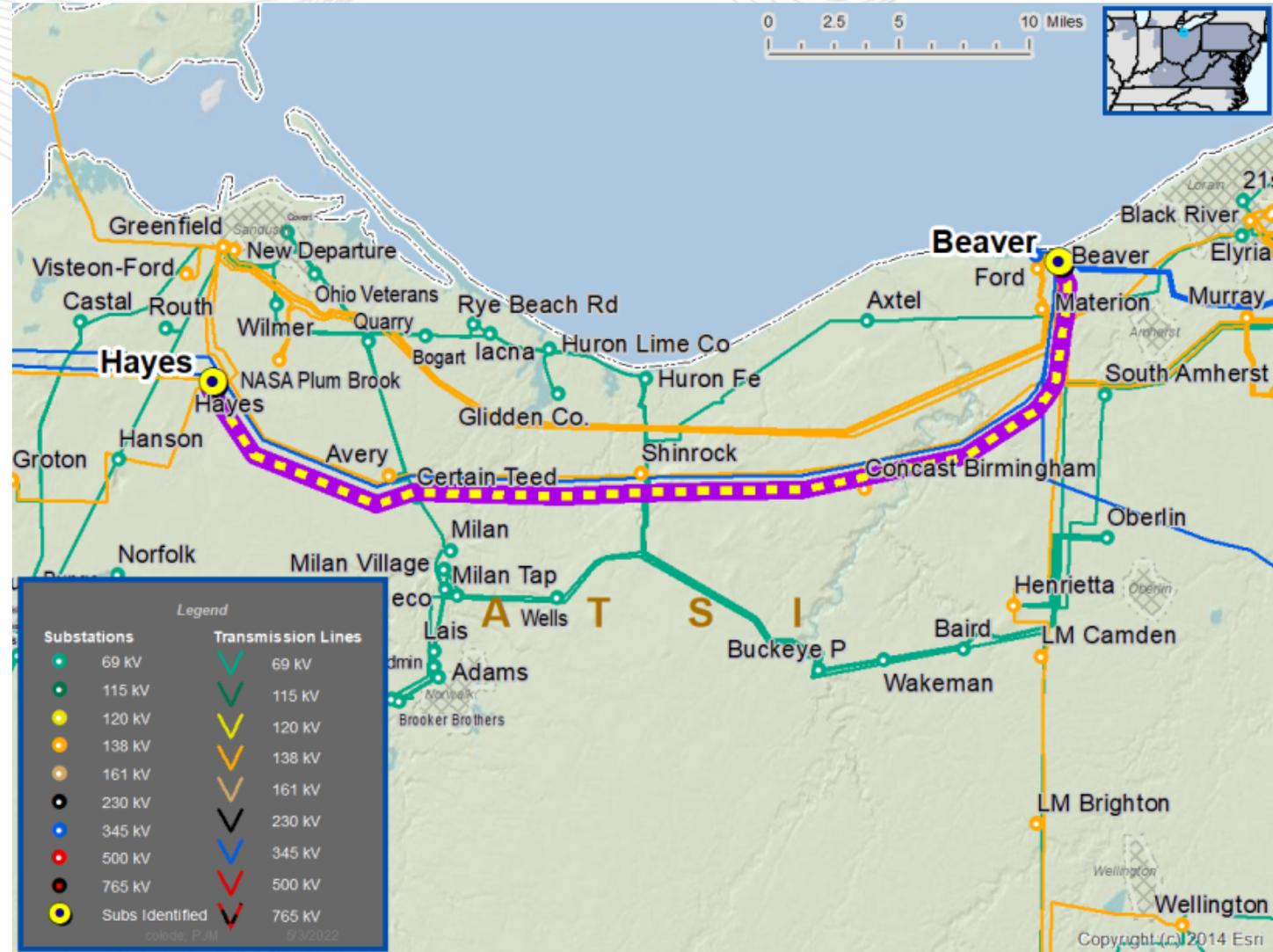
- Relay settings changes.
- Current Rating: 1380 MVA SN/ 1646 MVA SE
- New Rating: 1542 MVA SN/ 1878 MVA SE

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

**Projected IS Date:** 06/01/2024

**Estimated Cost:** \$2.1M

\* Operating measures identified to mitigate reliability impacts in interim.





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## Generation Deactivation Notification



### Member Hotline

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# Revision History

V1 - 05/04/22 - Original slides posted.

**PROTECT THE  
POWER GRID  
THINK BEFORE  
YOU CLICK!**



Be alert to  
malicious  
phishing emails.

**Report suspicious email activity to PJM.**  
(610) 666-2244 / [it\\_ops\\_ctr\\_shift@pjm.com](mailto:it_ops_ctr_shift@pjm.com)

