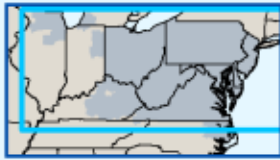
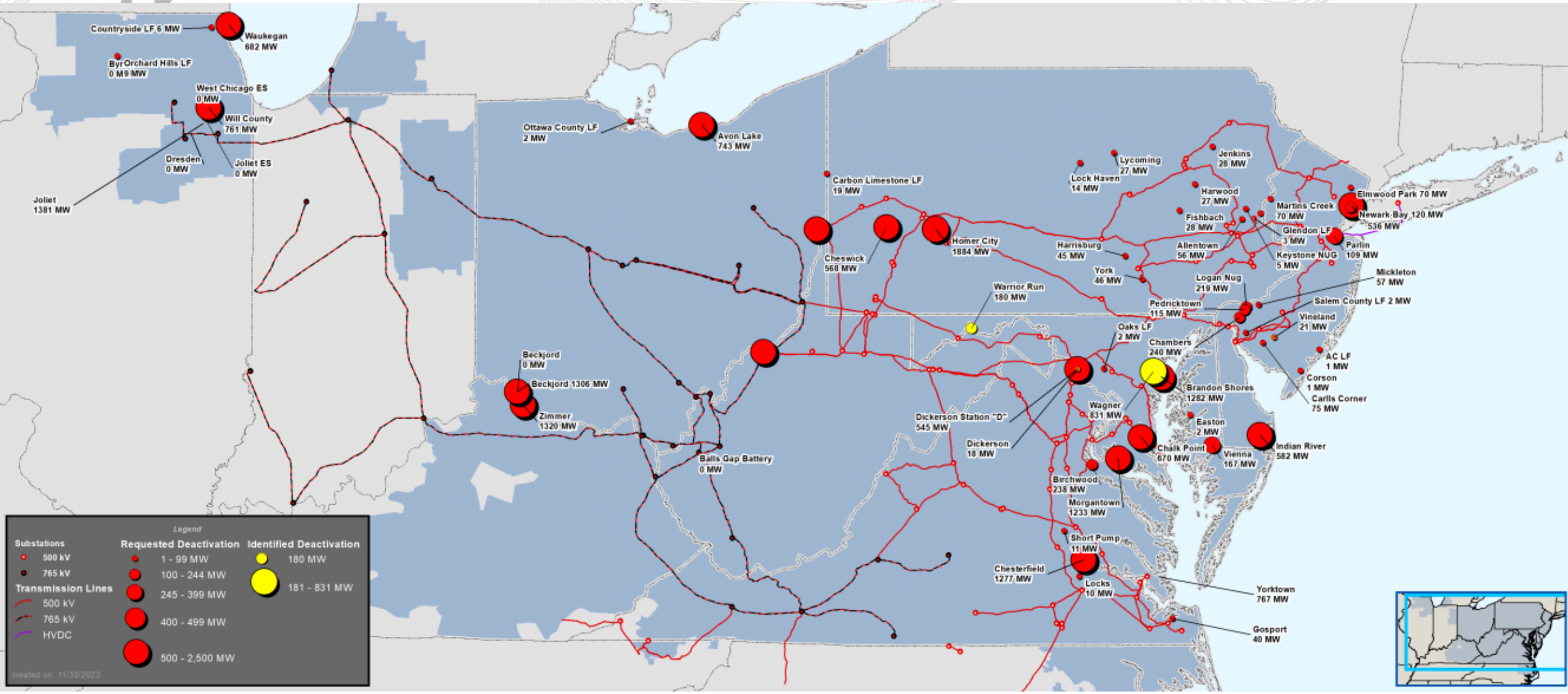




Generation Deactivation Notification Update

Transmission Expansion Advisory Committee
Dec 5th, 2023





Deactivation Status

Unit(s)	MW	Transmission Zone	Requested Deactivation Date	PJM Reliability Status
Warrior Run Gen 1	180	APS	06/01/2024	Reliability analysis completed. Reliability impacts identified. Operating measures available in interim.
H.A Wagner	844	BGE	06/01/2025	Reliability analysis in progress.
Eddystone Unit 3 & 4	760	PECO	05/31/2025	Reliability analysis in progress.

* PJM does not approve deactivations, but rather identifies whether the requested deactivation date could lead to reliability concerns on the system. When PJM determines a proposed deactivation would adversely affect the reliability of the Transmission System due to upgrade completion timeline and absent operational measures, PJM desires and requests the Generation Owner extend operations of the deactivating unit(s). The Generation Owner may elect to support system reliability by operating until necessary network upgrades are completed by either filing its proposed Cost of Service Recovery Rate (CSRR) at FERC or accepting the Deactivation Avoidable Cost Credit (DACC) provided in the Tariff. PJM will announce at subsequent TEAC(s) after the Generation Owner submits a CSRR to the FERC and after the FERC accepts the CSRR filing or after the Generation Owner agrees to the DACC.



Thermal Violations - APS Transmission Owner Areas

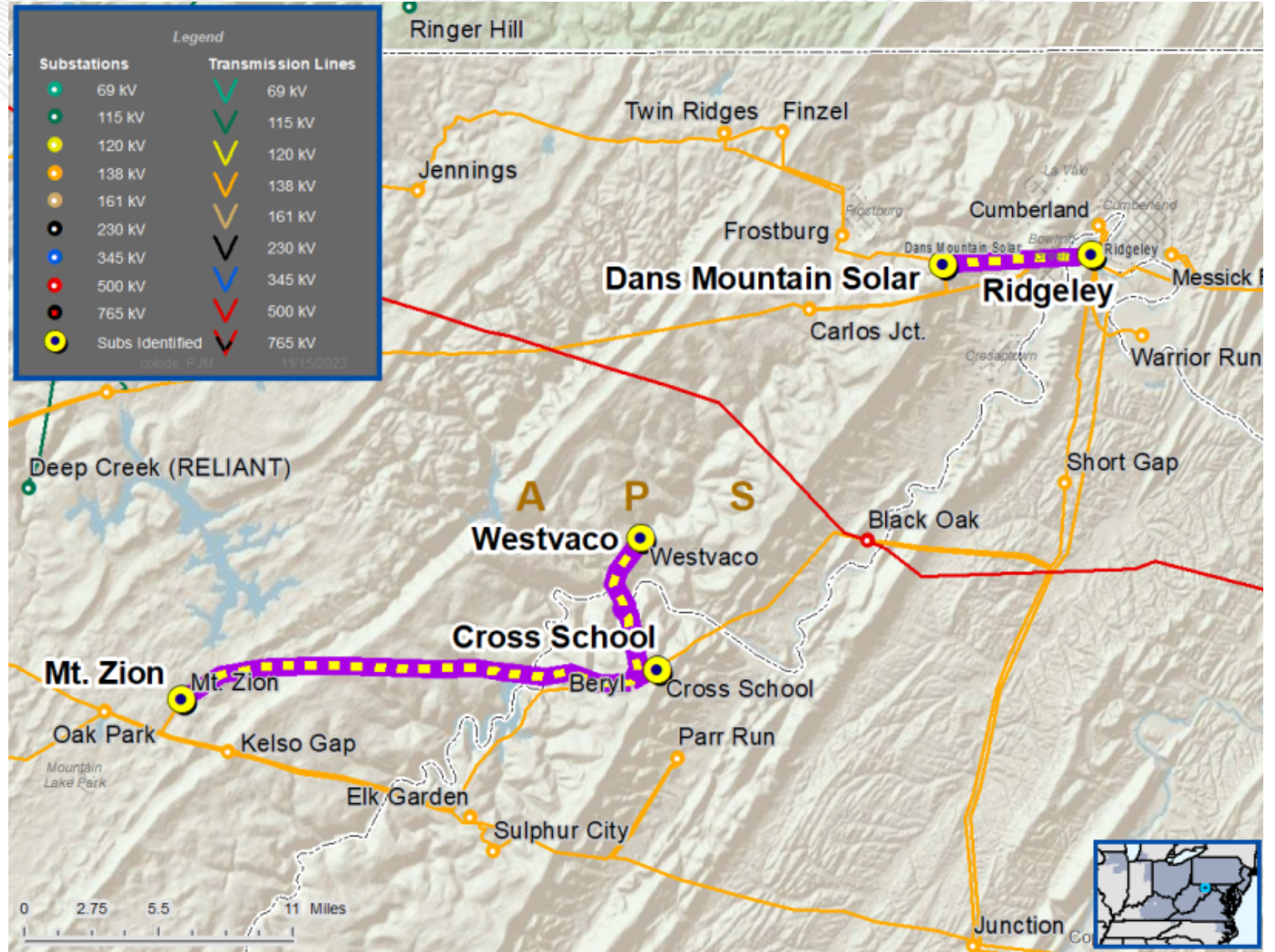
Problem Statement: Generation Deliverability, – Warrior Run 1, 180 MW

- Contingency: Generation Deliverability

PJM's assessment indicates reliability violations with Warrior Run's requested deactivation of the following circuits .

- APS
 - Mt. Zion – Westvaco 138 kV
 - Westvaco – Cross School 138 kV
 - Dans Mountain Solar – Ridgeley 138 kV

- 2028 Window 3 solutions will mitigate the above violations
- Interim operational measures identified to alleviate violations until planning solution is in-service.



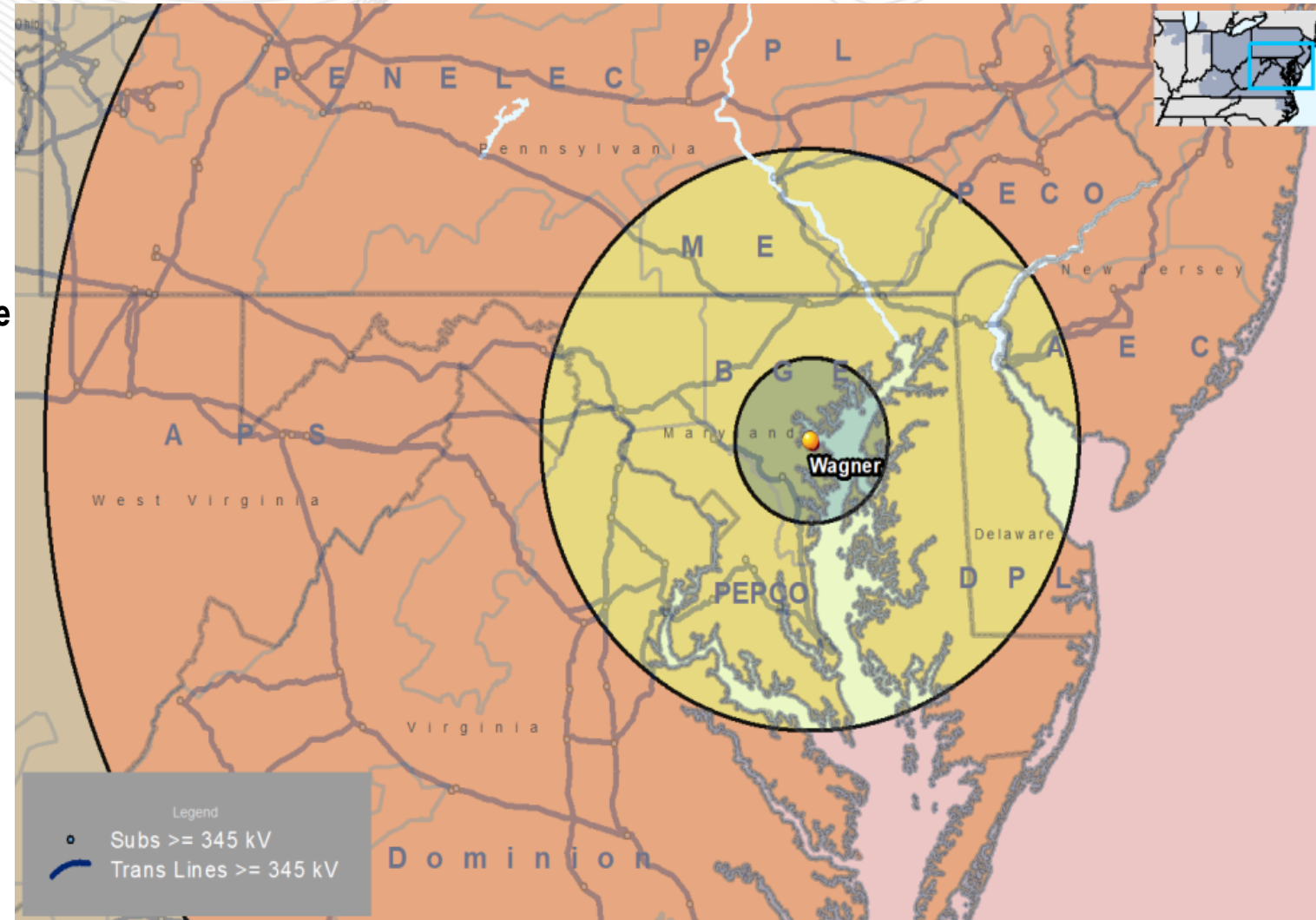
Voltage Violations – Multiple Transmission Owner Areas

Problem Statement: N-1-1 Voltage Violations – Wagner Deactivations, 844 MW

- Voltage violations: Multiple Transmission owner areas
- Contingency: N-1-1

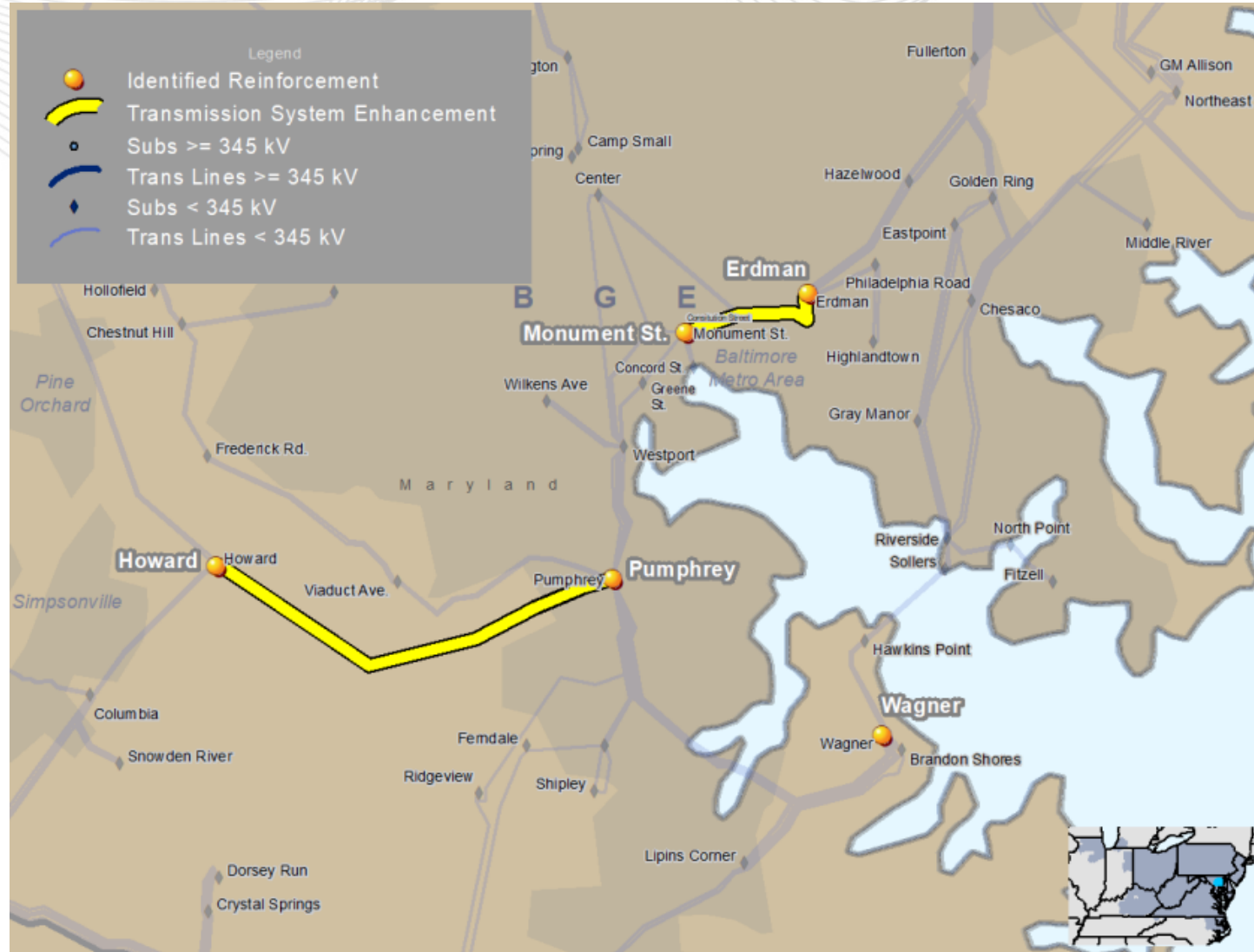
Reliability tests indicate wide spread voltage deviation violations upon Wagner ' deactivations, majority of them are associated with losing Brandon Shore's Generator(s)

- Impacted areas :
 - BGE
 - PEPCO
 - Dominion
 - PECO
 - APS
 - PPL



Problem Statement: N-1-1 Violations – Wagner Deactivations, 844 MW

- BGE
 - Wagner 230/115kV Transformer 1
 - Wagner 230/115kV Transformer 2
 - Howard – Pumphrey 230kV
 - Monument St to Erdman 115kV



- PJM is in the process of performing additional assessments in light of the upcoming Brandon Shore's immediate need solutions and 2022 Window 3 solutions.
- PJM will continue its analysis to determine impact and communicate findings in subsequent TEAC meetings.

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Generation Deactivation Notification



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Revision History

V1 - 12/05/2023 - Original slides posted.