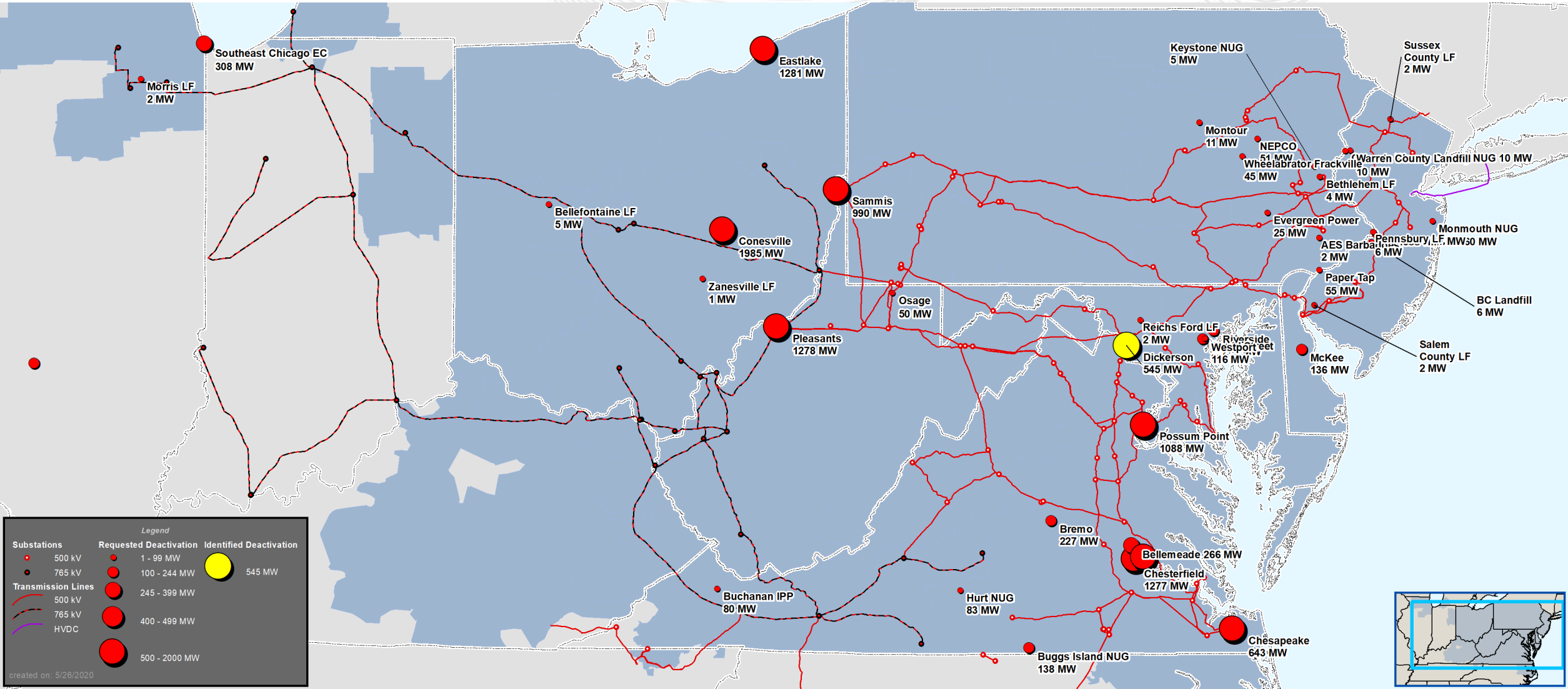




Generation Deactivation Notification Update

Transmission Expansion Advisory
Committee
June 2, 2020



Unit(s)	Transmission Zone	Requested Deactivation Date	PJM Reliability Status
Dickerson 1, 2, and 3 (545 MW)	PEPCO	08/13/2020	Reliability analysis Underway

Second Read

Problem Statement: Generation Deliverability - Chesterfield 5 and 6

- Chickahominy 500/230 kV transformer is overloaded for loss of Chickahominy – Surry 500 kV line

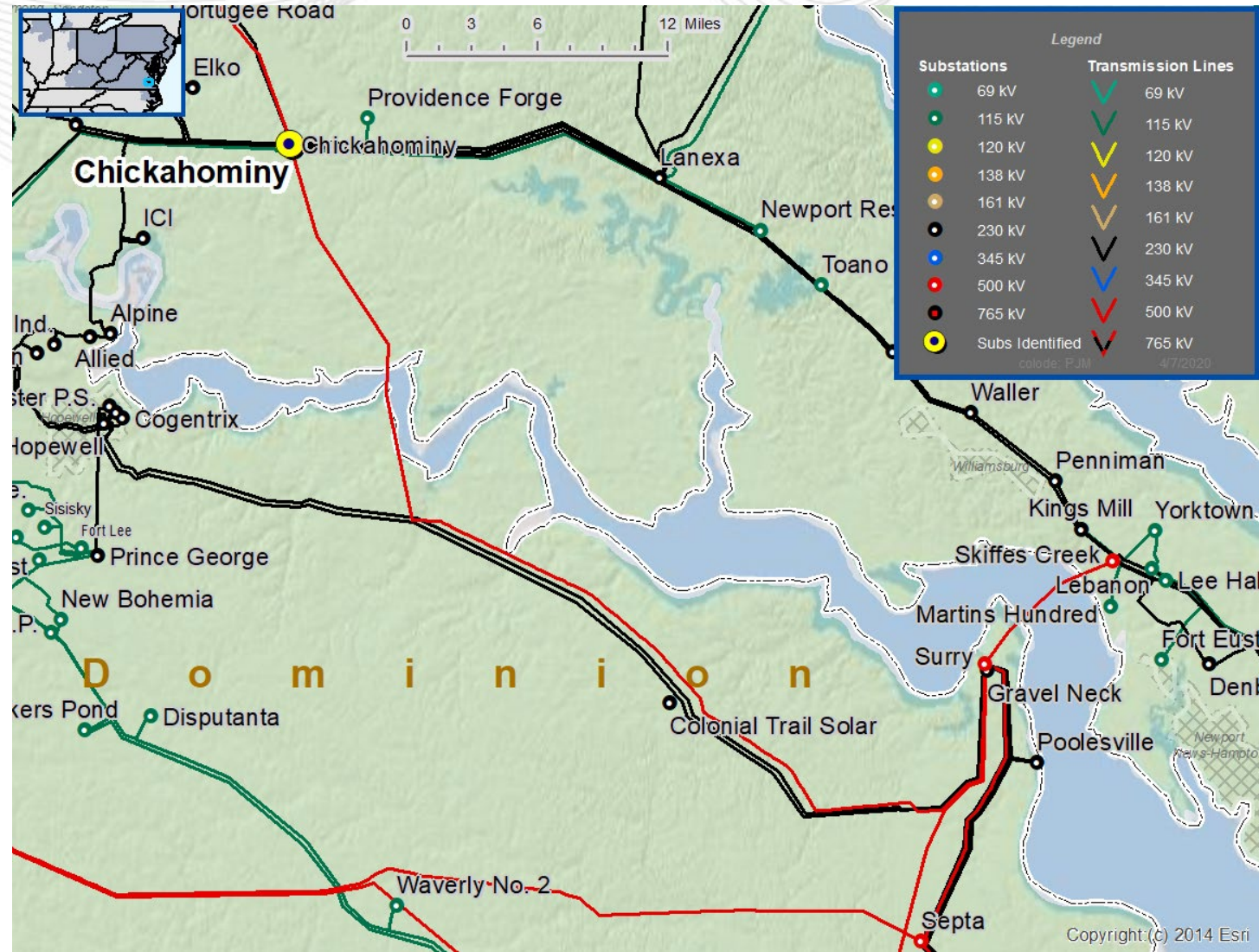
Recommended Solution:

- Install the 2nd Chickahominy 500/230 kV transformer (b3213)

Required IS Date: 06/01/2023

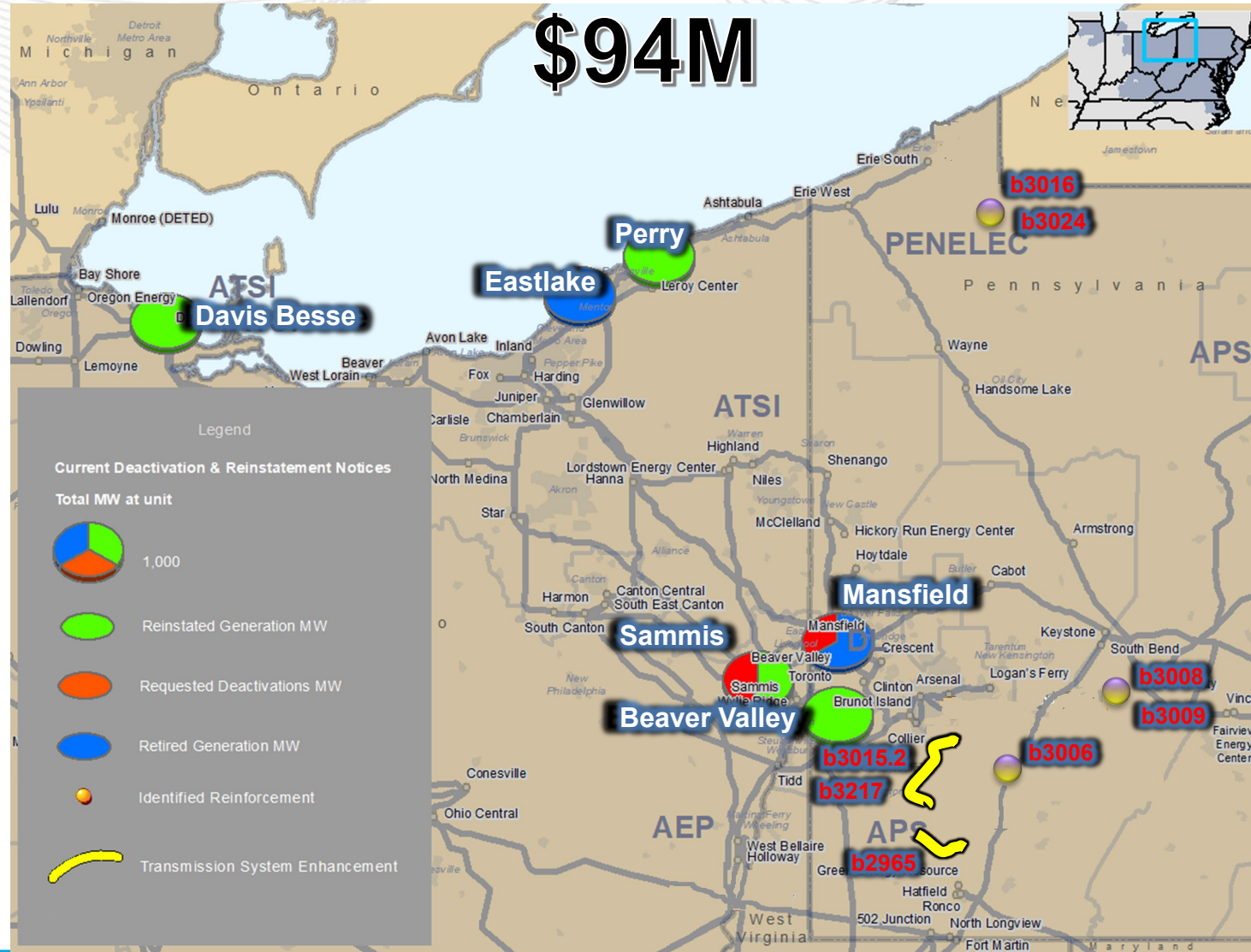
Projected IS Date: 06/01/2023

Estimated Project Cost: \$22M



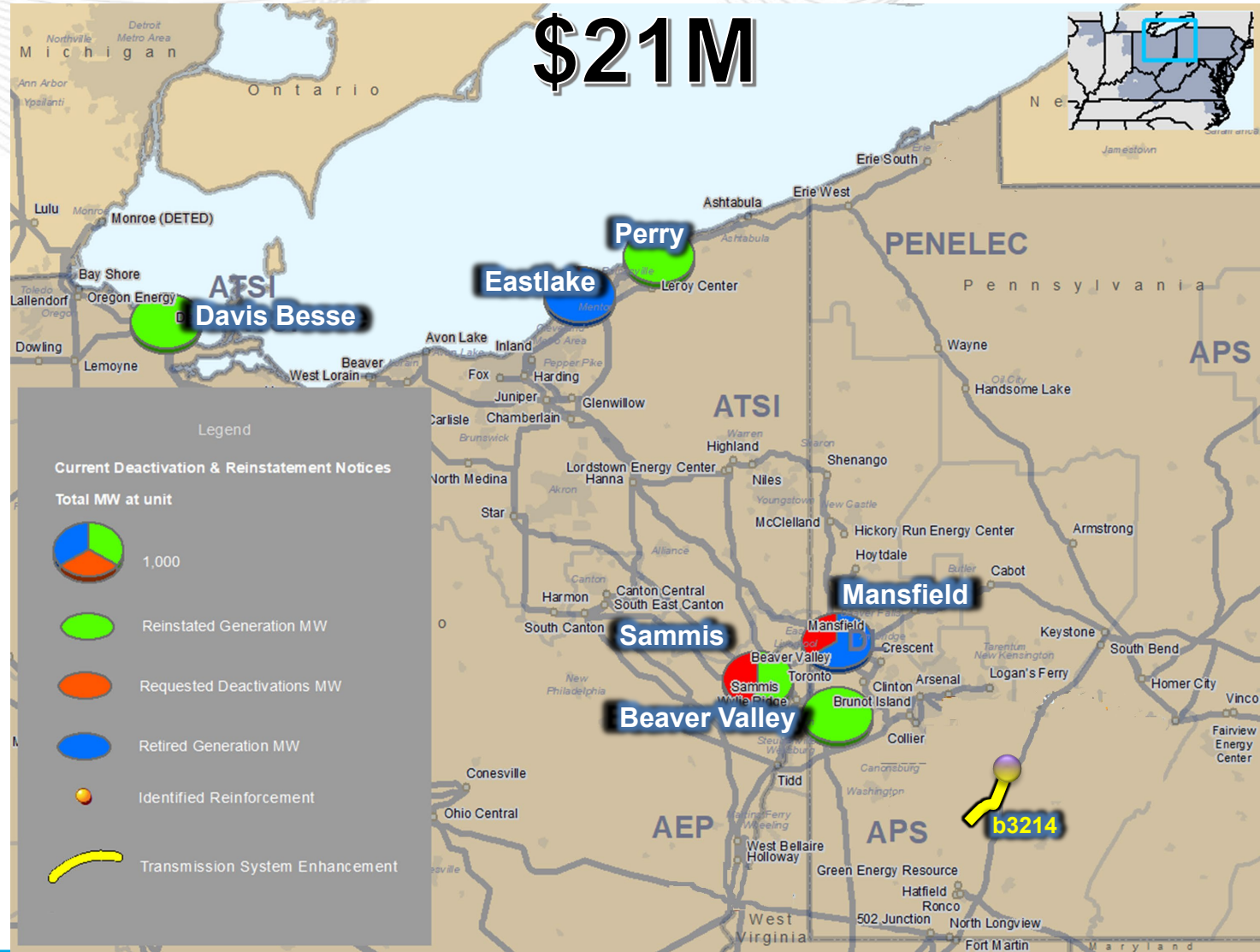
The following 8 baseline projects remain due to work progression.

- B2965 – Reconductor the Charleroi - Allenport 138 kV line
- B3006 (APS) - Replace four Yukon 500/138 kV transformers with three transformers with higher rating and reconfigure 500 kV bus
- B3008 (PENELEC)- Upgrade Blairsville East 138/115 kV transformer terminals
- B3009 (PENELEC)- Upgrade Blairsville East 115 kV terminal equipment
- B3015.2 (DLCO) – Reconductor Elrama to Wilson 138 kV line
- **B3217 (DLCO) formerly B3015.5**
 – **Assigned as a new baseline project (B3217) with a updated description for reconductoring Wilson to Mitchell 138 kV line**
- B3016 (PENELEC) – Corry East 115 kV terminal equipment to Four Mile 115 kV line
- B3024 (PENELEC) – Corry East 115 kV terminal equipment to Warren 115 kV line



New upgrade required:

- **B3214 (APS) formerly B2966 - Reconductor the Yukon – Smithton – Shepler Hill Jct 138 kV Line. Upgrade terminal equipment at Yukon and replace line relaying at Mitchell and Charleroi.**
- **B2966 was cancelled by deactivation upgrades**
- **Estimated Cost: \$21.4M**
- **Projected IS date: 06/01/2023**

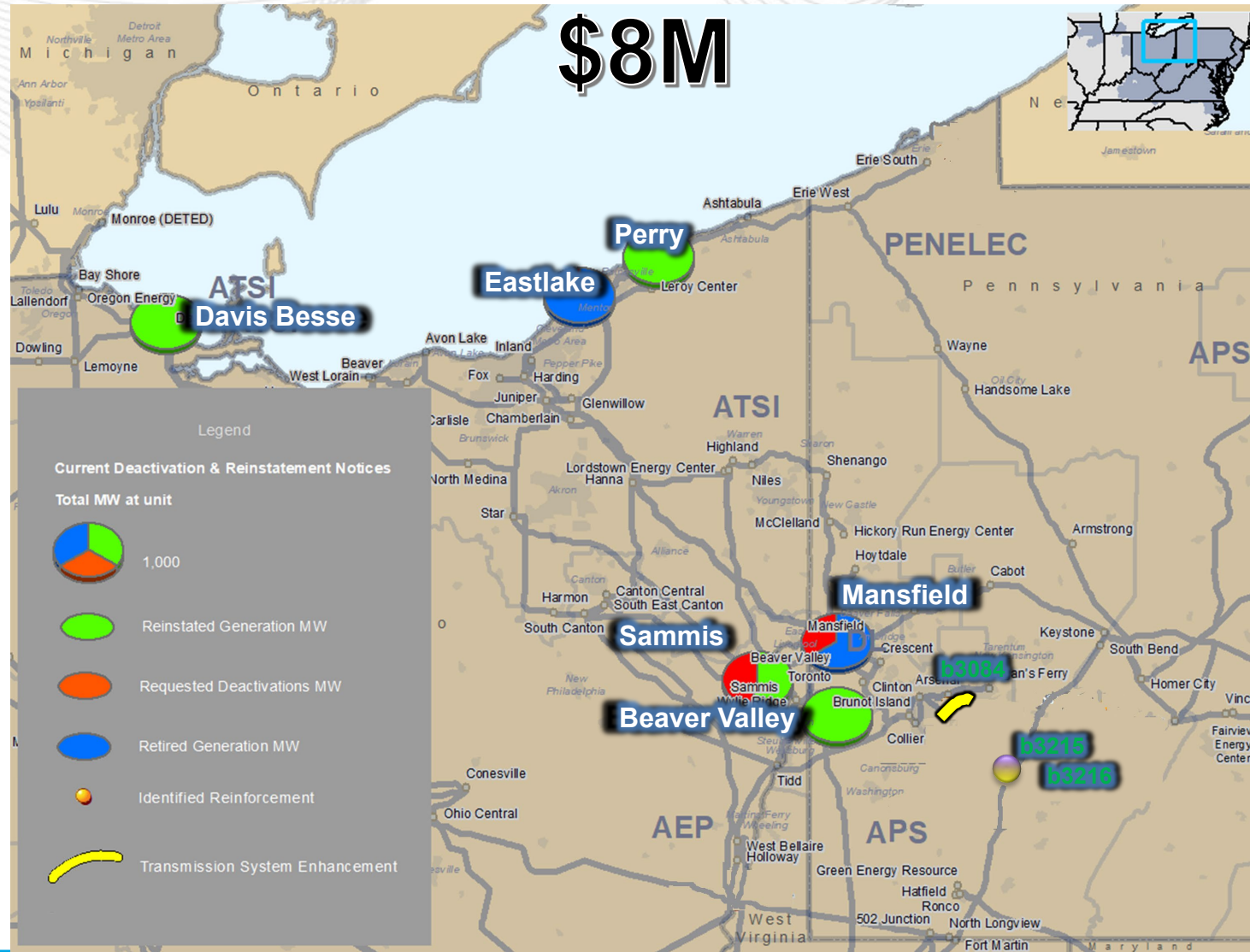


The remaining baseline projects remain required for the identified violations

- **B3215 (APS) formerly B3011.3**
 - Assigned as a new baseline project (B3215) with updated description: Upgrade terminal equipment at Yukon to increase rating on Yukon – AA2-161 (Robbins) 138 kV line
 - Newly estimated cost: \$0.4M

- **B3216 (APS) formerly B3011.4**
 - Assigned as a new baseline project (B3216) with updated description: Upgrade terminal equipment at Yukon to increase rating on Yukon – AA2-161 (Wycoff jct) 138 kV line
 - Newly Estimated cost: \$0.5M

- B3084 (DLCO) - Reconductor the Oakland - Panther Hollow 138 kV line.



- V1 – 05/26/20 - Original slides posted
- V2 – 06/02/20 – Revised requested deactivation date on slide # 3