Transmission Expansion Advisory Committee
Generation Deactivation Update

November 5, 2015

Deactivation Status
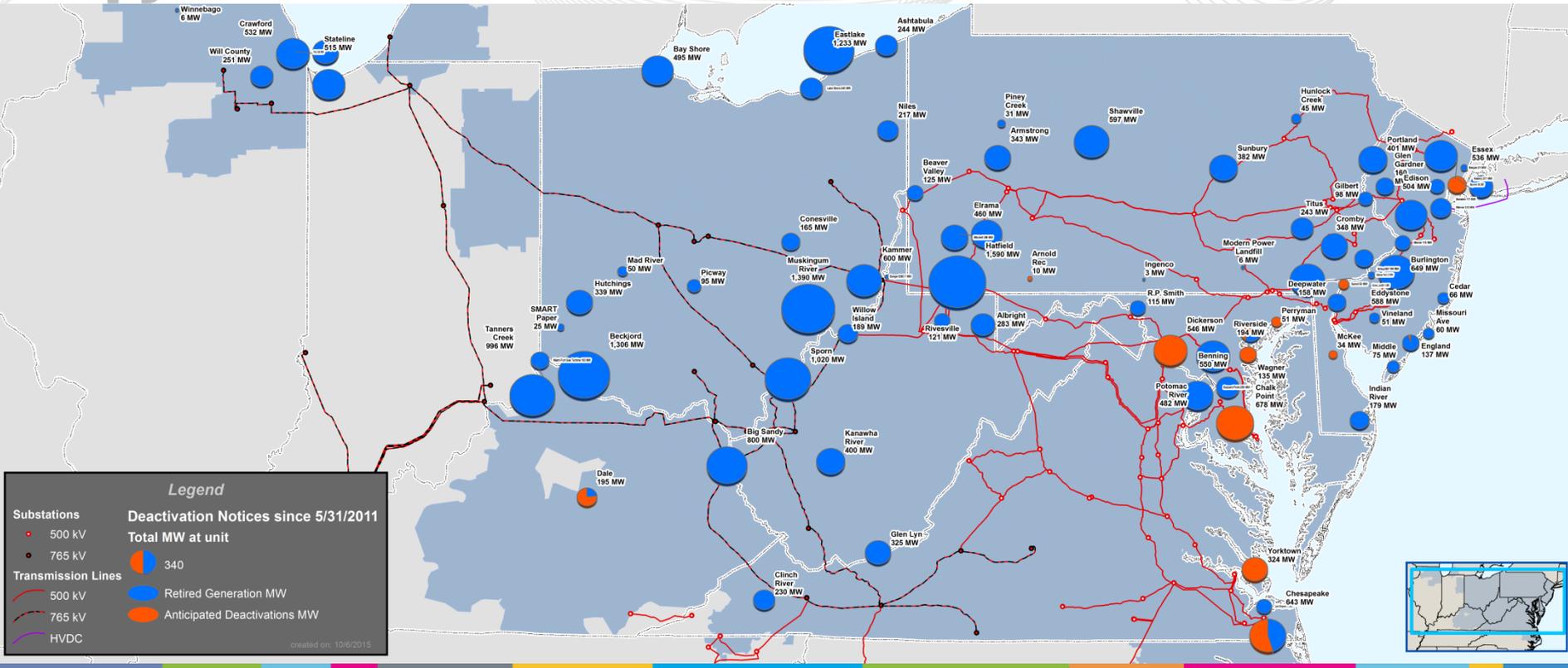
Unit(s)	Transmission Zone	Requested Deactivation Date	PJM Reliability Status
Perryman unit 2 (51 MW)	BGE	01/01/2016	Reliability analysis complete. Impacts identified, resolved via an existing baseline upgrade, which is expected to be completed by June 2017. Interim operating measure identified and can be utilized until baseline upgrade complete. Unit expected to deactivate as scheduled.
Pottstown LF (Moser)	PECO	1/15/2016	Reliability analysis complete. No impacts identified.

BGE Transmission Zone

- N-1-1 Thermal Violation
- Westport to Green 115 kV line 110553 is overloaded for the contingency loss of Westport to Green 115 kV line 110554 ('BG_110554') followed by the loss of Windy Edge to Hazelwood Tap to Erdman 115 kV line 110507 ('BG_110507').
- Westport to Green 115 kV line 110554 is overloaded for the contingency loss of Westport to Green 115 kV line 110553 ('BG_110553') followed by the loss of Windy Edge to Hazelwood Tap to Erdman 115 kV line 110508 ('BG_110508').
- <u>Existing Upgrade</u> : Build a new 115 kV switching station between Orchard St. and Monument St. Cost estimate is $26 M and time estimate is 6/1/2017 (B1086).
- BGE will be the designated entity
- <u>Interim Solution</u>: 110553 & 110554 are underground cables that share a common trench. When one of the cables is removed from service, the total heating in the trench is significantly reduced and the rating of the remaining cable goes up.

Legend

Substations	Transmission Lines
69 kV	69 kV
115 kV	115 kV
120 kV	120 kV
138 kV	138 kV
161 kV	161 kV
230 kV	230 kV
345 kV	345 kV
500 kV	500 kV
765 kV	765 kV
Subs Identified	