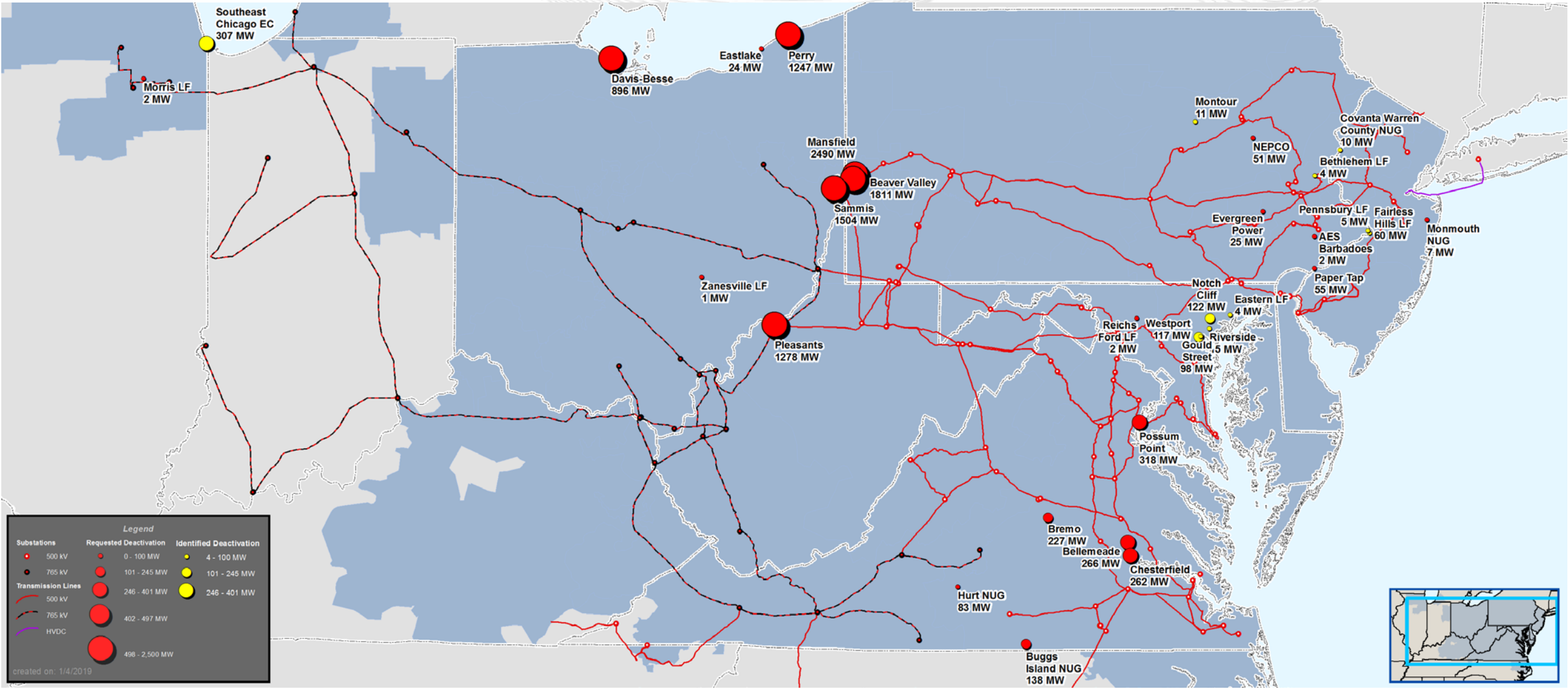


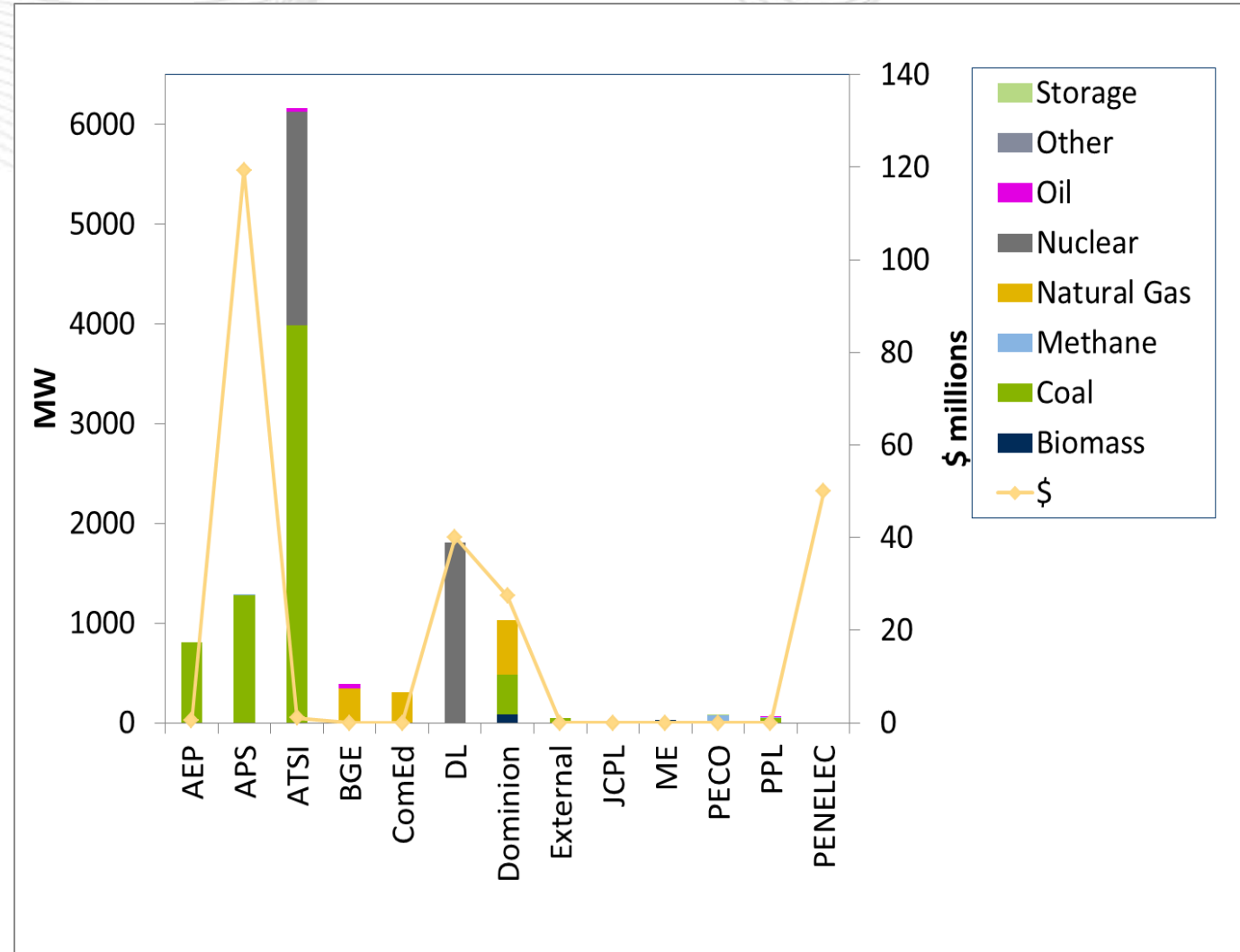
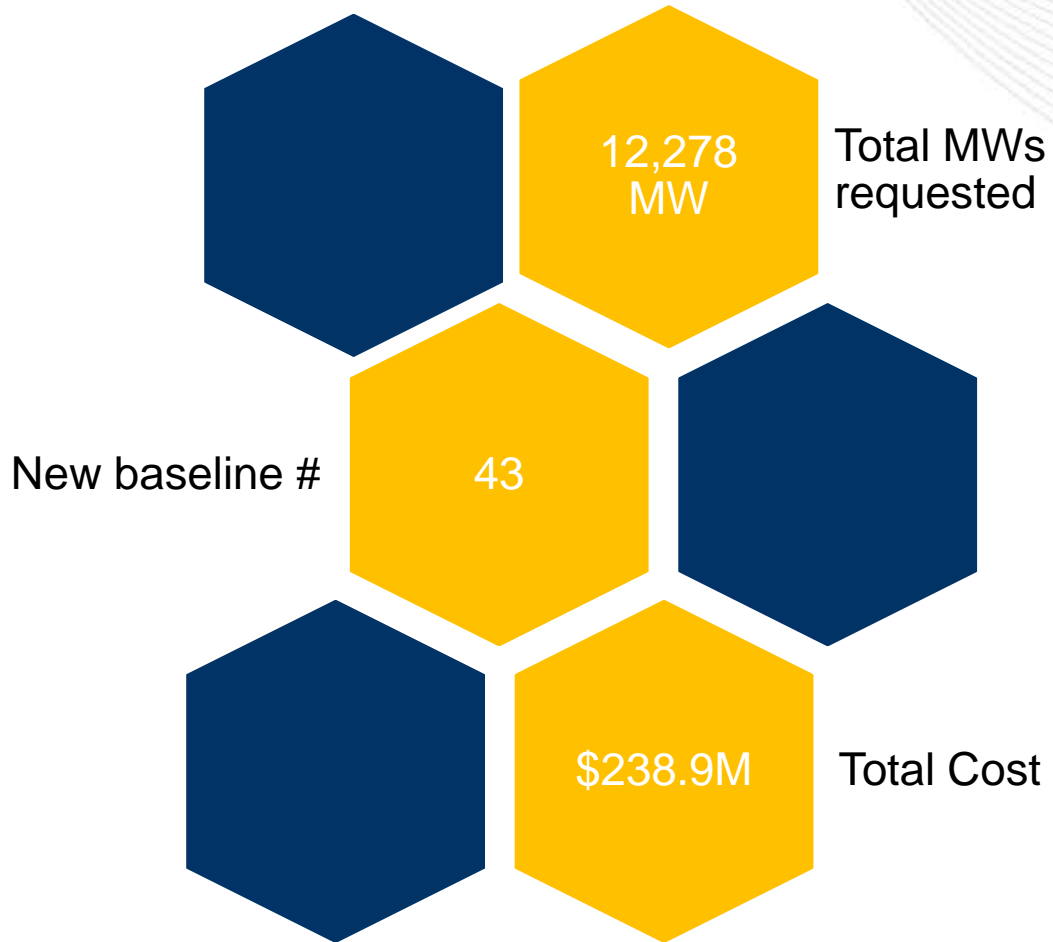


Generation Deactivation Notification Update

Transmission Expansion Advisory
Committee

January 10, 2019





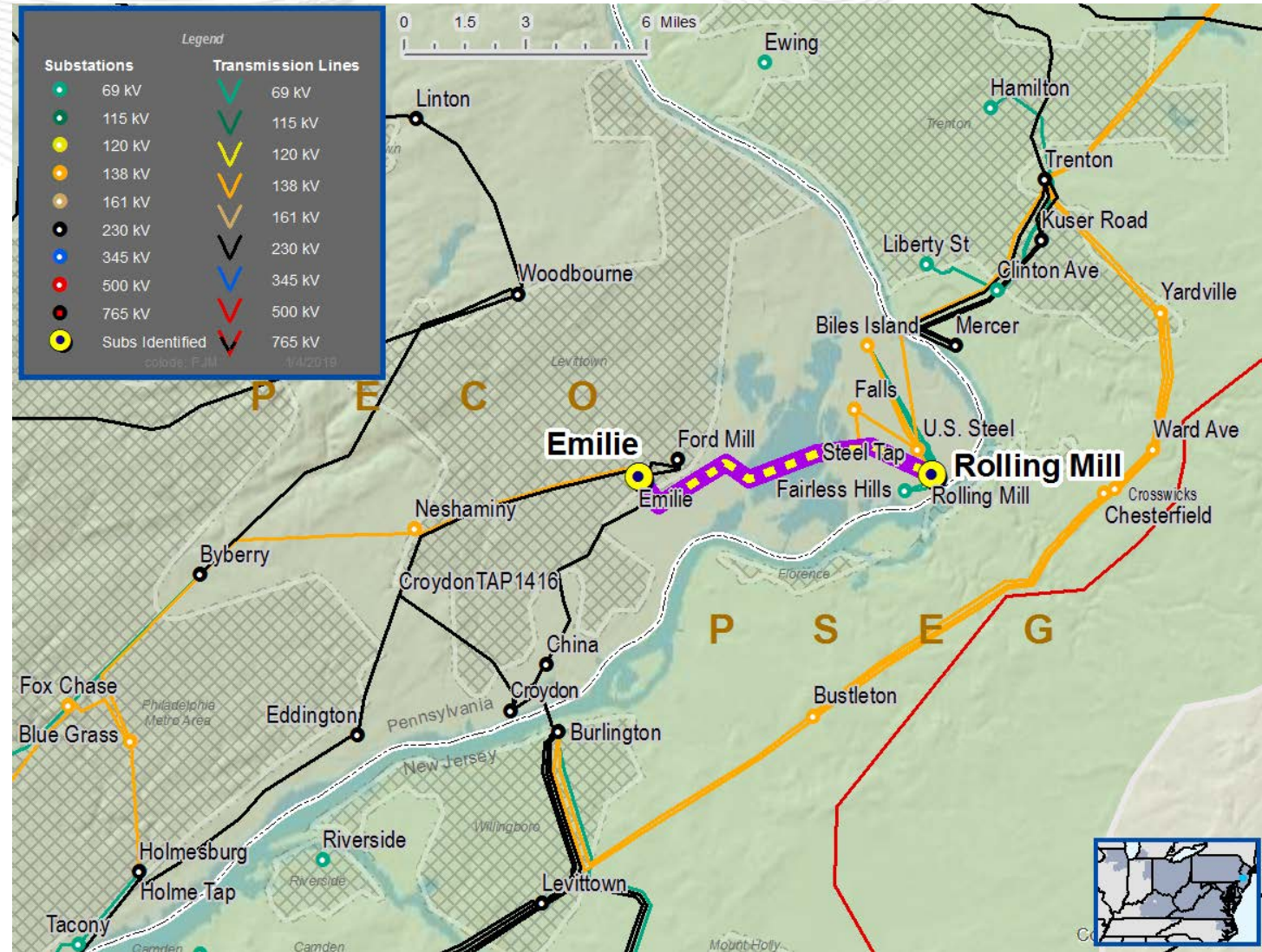
Unit(s)	Transmission Zone	Requested Deactivation Date	PJM Reliability Status
Notch Cliff GT 1 - 8 (121.8 MW)	BGE	6/01/2020	Reliability analysis complete
Eastern Landfill Gas (4 MW)	BGE	6/01/2020	Reliability analysis complete
Riverside 7 (20 MW)	BGE	3/14/2019	Reliability analysis complete
Riverside 8 (20 MW)	BGE	6/01/2020	Reliability analysis complete
Gould Street (98 MW)	BGE	6/01/2020	Reliability analysis complete
Westport 5 (116.8 MW)	BGE	6/01/2020	Reliability analysis complete

Unit(s)	Transmission Zone	Requested Deactivation Date	PJM Reliability Status
Fairless Hills Landfill A and B (60 MW)	PECO	6/01/2020	Reliability analysis complete. The existing baseline resolve identified impacts. Unit can retire as scheduled.
Pennsbury Landfill 1 and 2 (5.2 MW)	PECO	06/01/2020	Reliability analysis complete
Southeast Chicago CT 5 - 12 (306.7 MW)	ComEd	6/01/2020	Reliability analysis complete
Bethlehem Renewable (3.7 MW)	PPL	6/01/2020	Reliability analysis complete
Montour ATG (11.4 MW)	PPL	2/18/2019	Reliability analysis complete
Warren County NUG (10 MW)	JCPL	6/01/2019	Reliability analysis underway

Problem Statement: Generation Deliverability – Fairless Hills

Emilie 1 – Rolling Mills B 230 kV line is overloaded for multiple contingencies:

- Bus contingency for loss of Emilie 2 138 kV bus
- Breaker failure contingency for loss of Emilie 2 230/138 kV transformer, Falls 2 138 kV bus, and Emile 2 138 kV bus.
- Breaker failure contingency for loss of Emilie 2 230/138 kV transformer, Neshaminy 230 kV bus, and Emile 2 138 kV bus.



Problem Statement: Generation Deliverability

(continued from previous slide)

Emilie 2 - Falls 2 138 kV and Falls - Steel Tap 138 kV line are overloaded for multiple contingencies:

- Base case condition.
- Single contingency for loss of Burlington - Croydon 230 kV line.
- Breaker failure contingency for loss of Burlington – Croydon 230 kV line and China Tap 230 kV and Emilie 96 230 kV buses.

Recommended Solution:

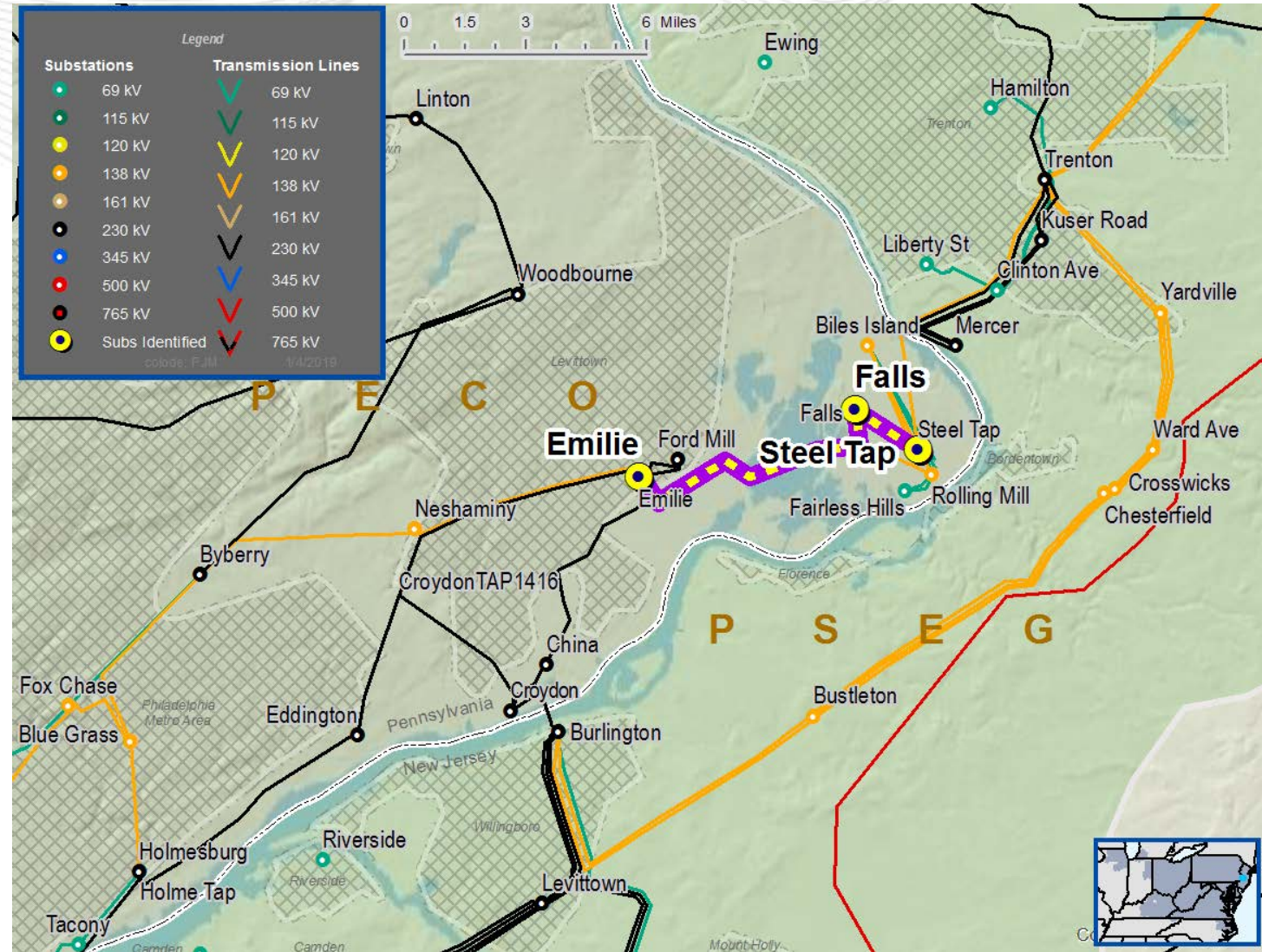
Existing baseline b2837 – Convert Trenton – Burlington 138 kV circuits to 230 kV circuits

Required IS Date: 06/01/2020

Original Required IS Date: 06/01/2022

Original TEAC Date: 01/12/2017

* Operating measures identified to mitigate reliability impacts in interim



- V1 – 01/04/2019 – Original Slides Posted
- V2 – 01/09/2019 – Slide 3: Revised Total Cost
 - Slide 7: Corrected Required In-Service Date
- V3 – 01/10/2019 – Slide 4: Corrected Requested Deactivation Date.