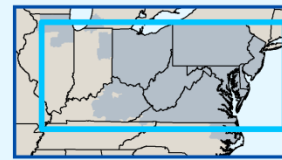
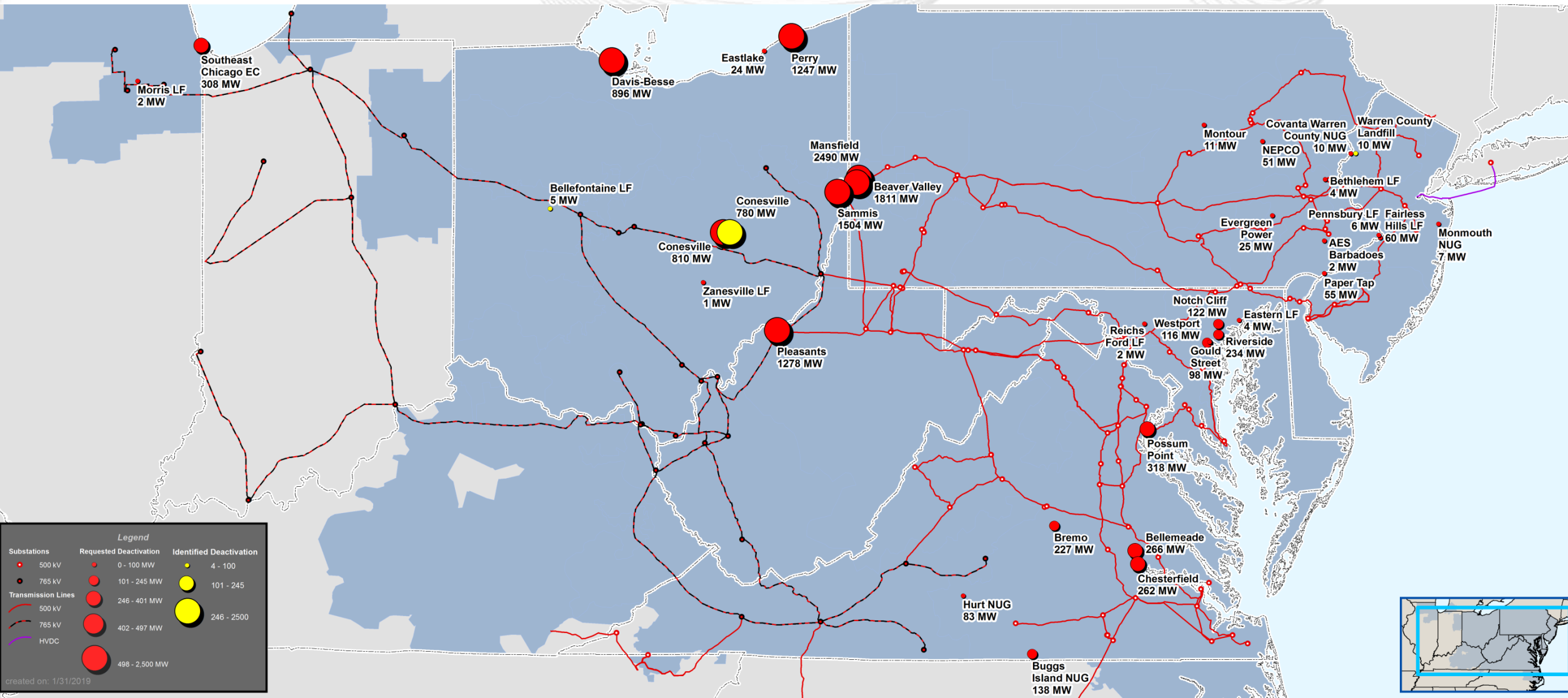




Generation Deactivation Notification Update

Transmission Expansion Advisory
Committee

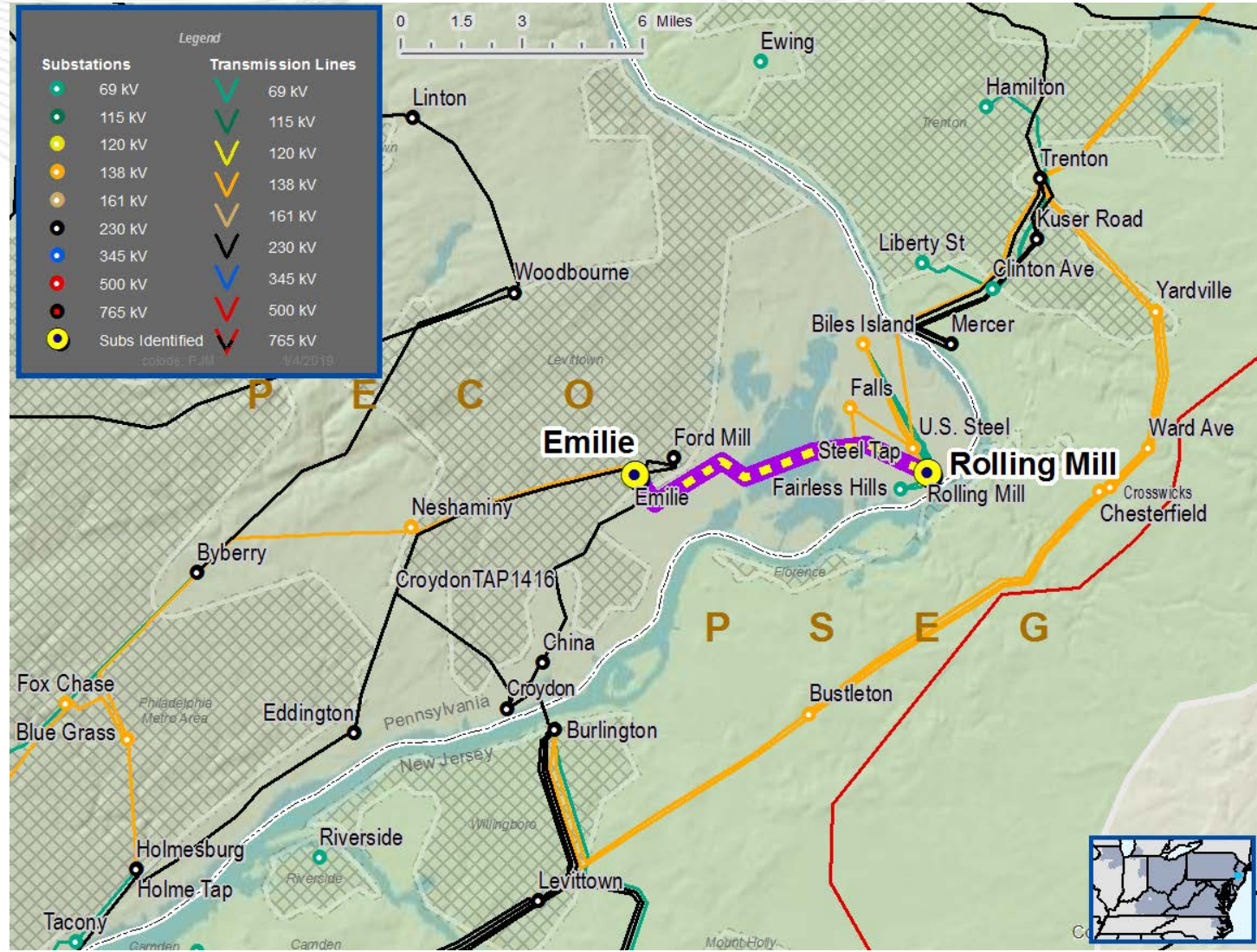
February 7, 2019



Problem Statement: Generation Deliverability – Fairless Hills

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

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



Problem Statement: Generation Deliverability – Fairless Hills

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:

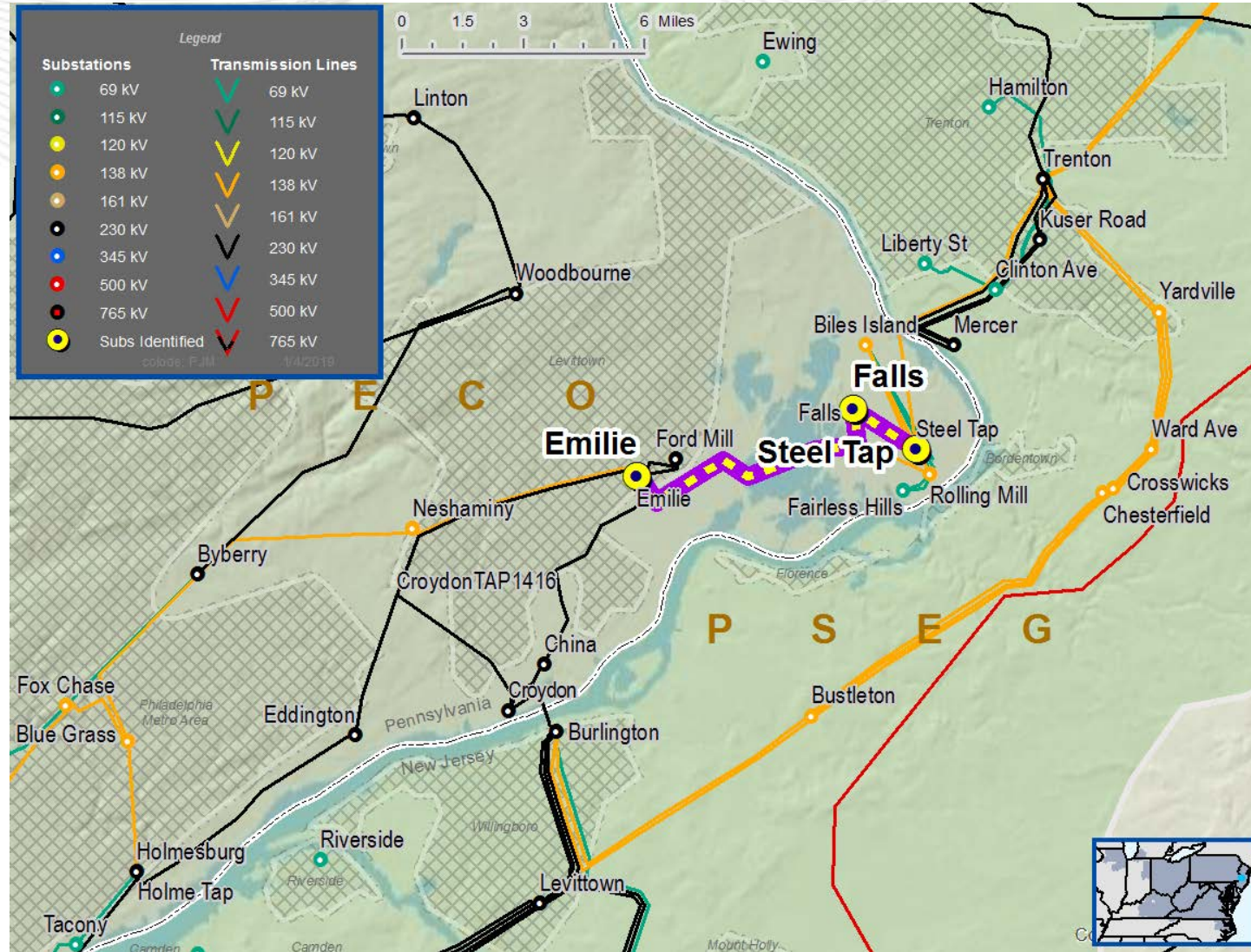
- Additional analysis was performed following 1/10/19 TEAC with PSE&G.
- Existing baseline b2836 – Convert Brunswick – Trenton 138 kV circuits to 230 kV circuits.
- Request made to and confirmed with PSE&G subject to standard equipment lead times and permitting approvals.

Required IS Date: 06/01/2020

Original Required IS Date: 12/31/2021

Original TEAC Date: 01/12/2017

* Operating measures identified to mitigate reliability impacts in interim



Unit(s)	Transmission Zone	Requested Deactivation Date	PJM Reliability Status
Warren County NUG (10 MW)	JCPL	6/01/2019	Reliability analysis complete
Bellefontaine (5 MW)	Dayton	06/01/2020	Reliability analysis complete
Conesville 4 (780 MW)	AEP	6/01/2020	Reliability analysis underway

- V1 – 02/01/2019 – Original Slides Posted