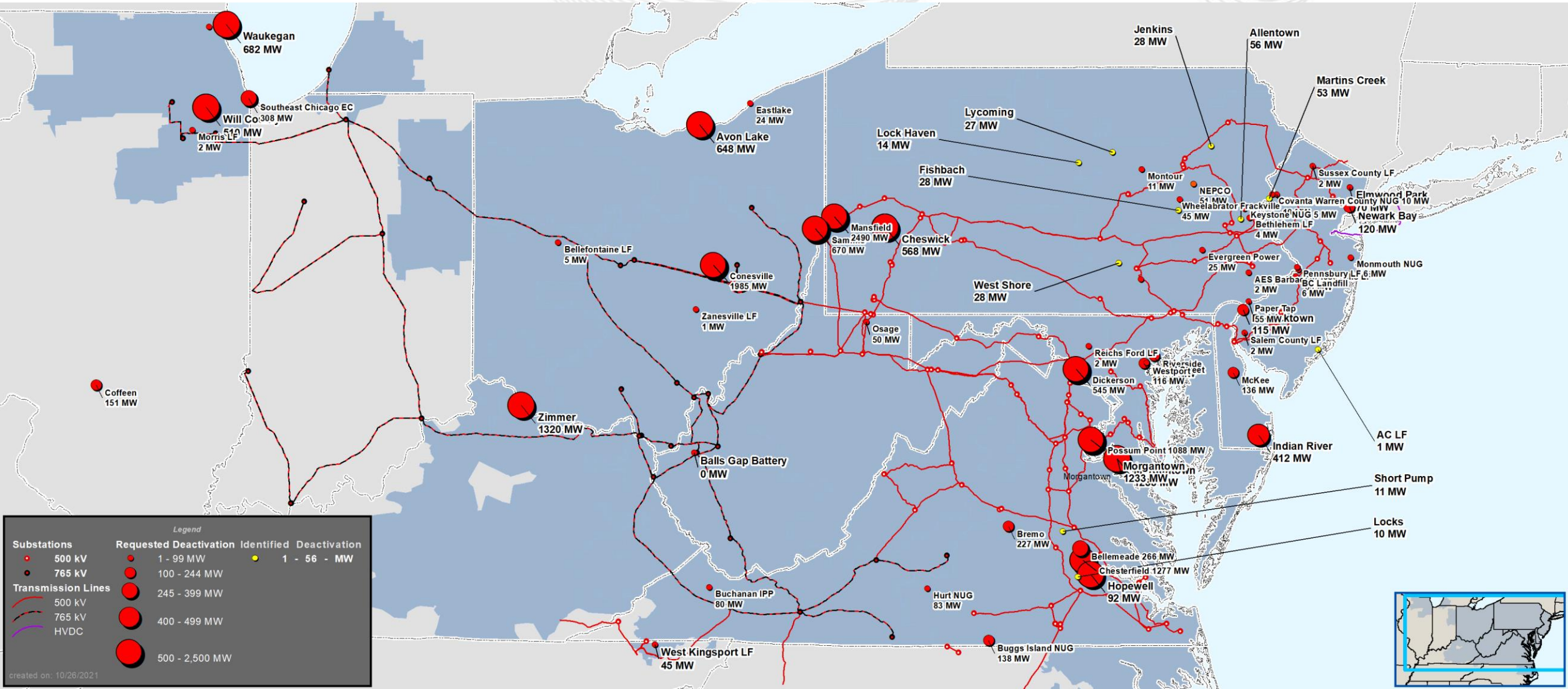




Generation Deactivation Notification Update

Transmission Expansion Advisory Committee
November 2, 2021





Deactivation Status

Unit(s)	Transmission Zone	Requested Deactivation Date	PJM Reliability Status
AC Landfill 1 and 2 -2.9 MW	ACE	12/9/2021	Reliability analysis complete. No reliability violation identified.
WILLIAMSPORT 1 and 2 - 26.6 MW	PPL	4/1/2022	Reliability analysis complete. No reliability violation identified.
WEST SHORE 1 and 2 -28 MW	PPL	4/1/2022	Reliability analysis complete. No reliability violation identified.
MARTINSC 1,2, and 3 - 57.3 MW	PPL	6/1/2022	Reliability analysis complete. No reliability violation identified.
LOCKHAVEN 1 -14 MW	PPL	4/1/2022	Reliability analysis complete. No reliability violation identified.
JENKINS 1 and 2 -17.6MW	PPL	4/1/2022	Reliability analysis complete. No reliability violation identified.
HARRISBURG 1,2 and 3 -41.1.MW	PPL	6/1/2022	Reliability analysis complete. No reliability violation identified.
FISHBACH 1 and 2 -28MW	PPL	4/1/2022	Reliability analysis complete. No reliability violation identified.
ALLENTOWN 1,2,3, and 4 -56MW	PPL	6/1/2022	Reliability analysis complete. No reliability violation identified.



Deactivation Status

Unit(s)	Transmission Zone	Requested Deactivation Date	PJM Reliability Status
ROCKVILLE DIESEL -4MW	Dominion	6/1/2023	Reliability analysis complete. No reliability violation identified.
LANIER DIESEL -7MW	Dominion	6/1/2023	Reliability analysis complete. No reliability violation identified.
WEAKLEY DIESEL-7MW	Dominion	6/1/2023	Reliability analysis complete. No reliability violation identified.
DINWIDDIE DIESEL-3MW	Dominion	6/1/2023	Reliability analysis complete. No reliability violation identified.

SECOND READ

Problem Statement: Generation Deliverability Violation – Pedriktown and Newark Deactivations

- Thermal violation: Croydon – Burlington 230 kV line
- Contingency: N-2

Recommended Solution:

- New baseline b3335 – Reconductor a 0.76 mile portion of the Croydon-Burlington 230 kV line
- Current Rating: 752 MVA SN/ 906 MVA SE
- New Rating: 851 MVA SN/ 995 MVA SE

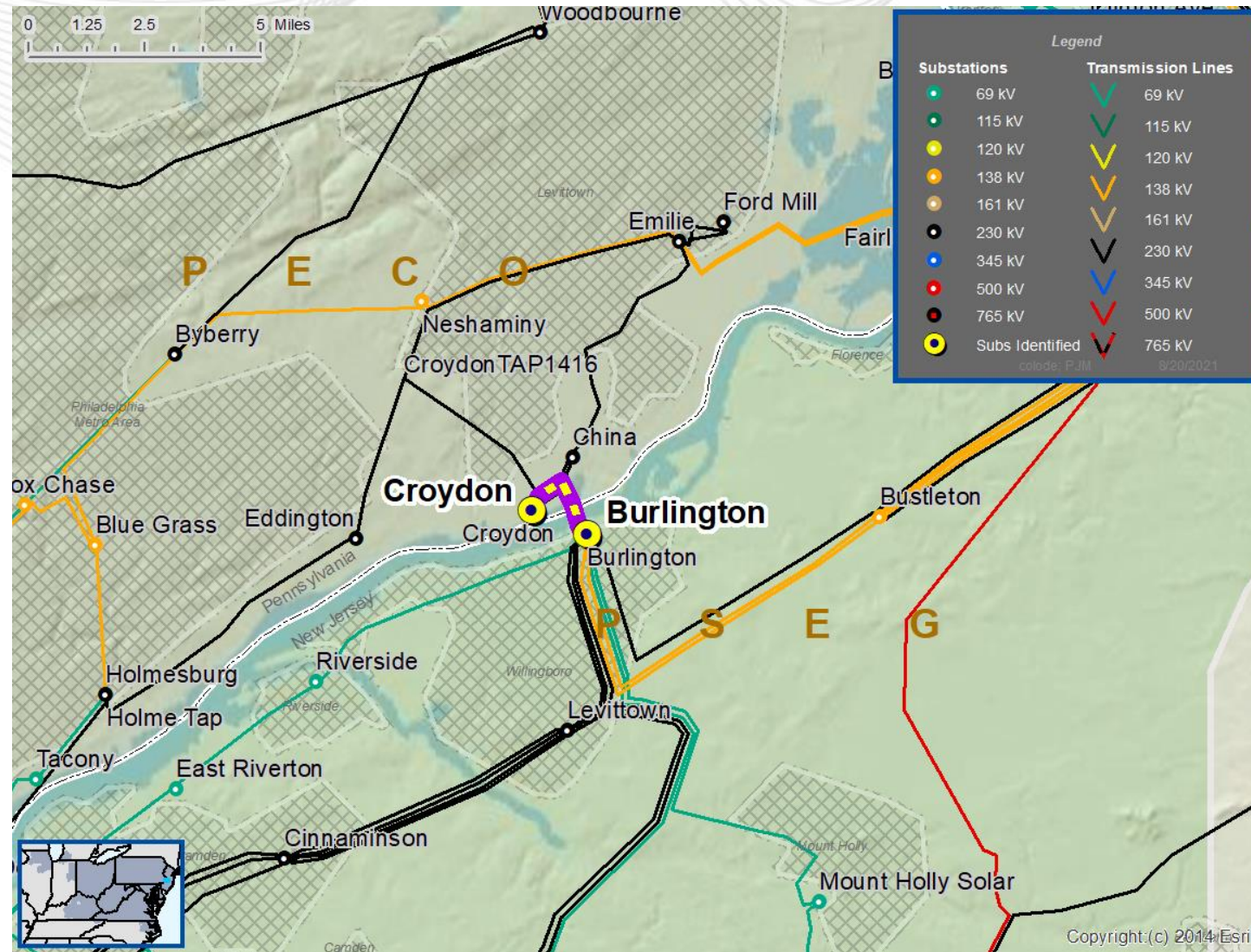
Estimated Cost: \$ 794K

Required IS Date: 06/01/2022

Projected IS Date: 06/01/2023

Required IS Date: 06/01/2022

* Operating measures identified to mitigate reliability impacts in interim.



Problem Statement: Generation Deliverability Violation – Zimmer Deactivation

- Thermal violation: Miami Fort – Hebron Tap 138 kV line
- Contingency: N-2

Recommended Solution:

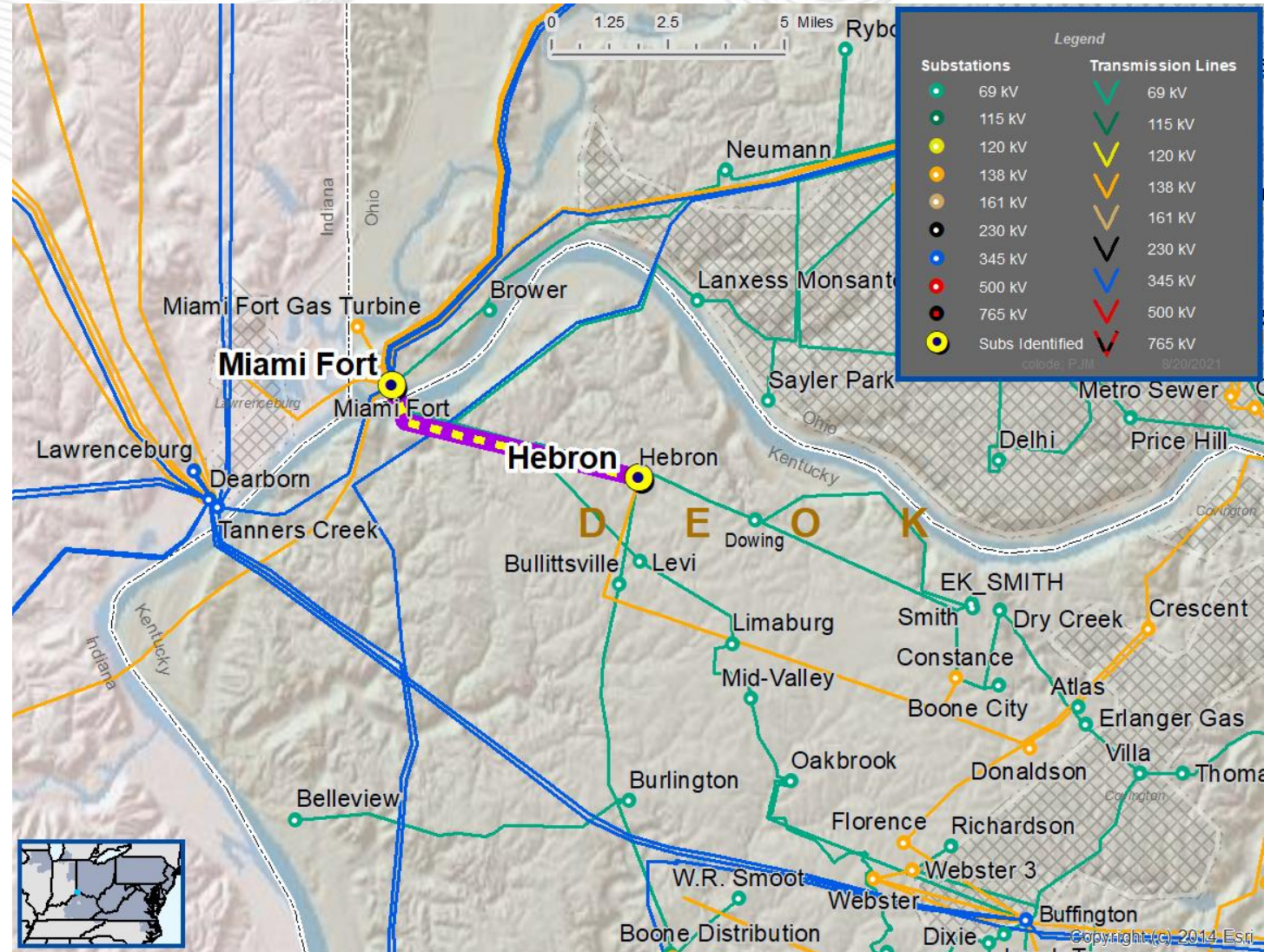
- New baseline b3334 – Rebuild the section of Miami Fort – Hebron Tap 138 kV
- Current Rating: 238 MVA SN/ 238 MVA SE
- New Rating: 301 MVA SN/ 301 MVA SE

Estimated Cost: **\$44.3M**

Required IS Date: 06/01/2022

Projected IS Date: 06/01/2025

Operating measures identified to mitigate reliability impacts in interim.



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Generation Deactivation Notification



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- V1 - 10/28/21 - Original slides posted.