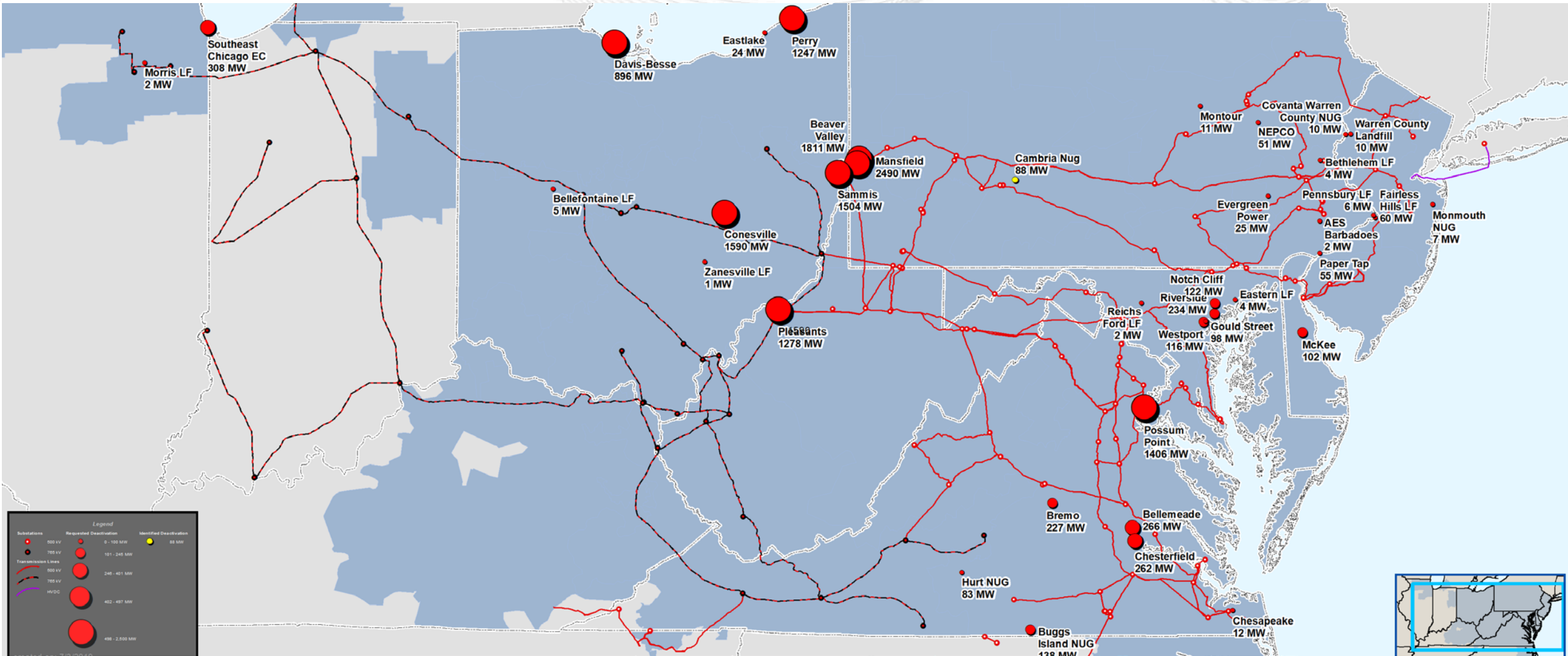




# Generation Deactivation Notification Update

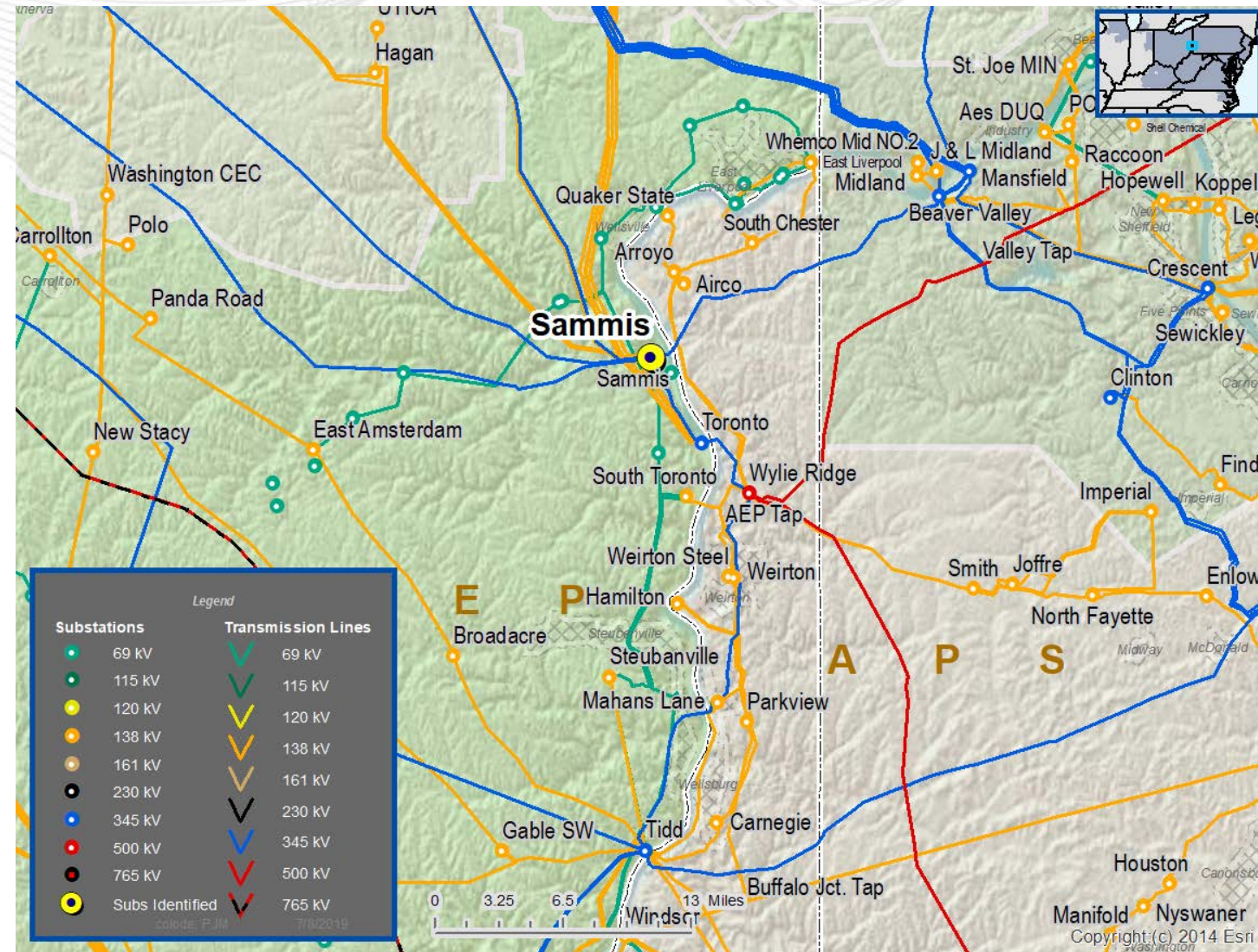
Transmission Expansion Advisory  
Committee  
July 11, 2019



Unit(s)	Transmission Zone	Requested Deactivation Date	PJM Reliability Status
Cambria (88 MW)	Penelec	9/17/2019	Reliability analysis complete. No violations identified.

## Sammis 5, 6, and 7 deactivations – 1491 MW

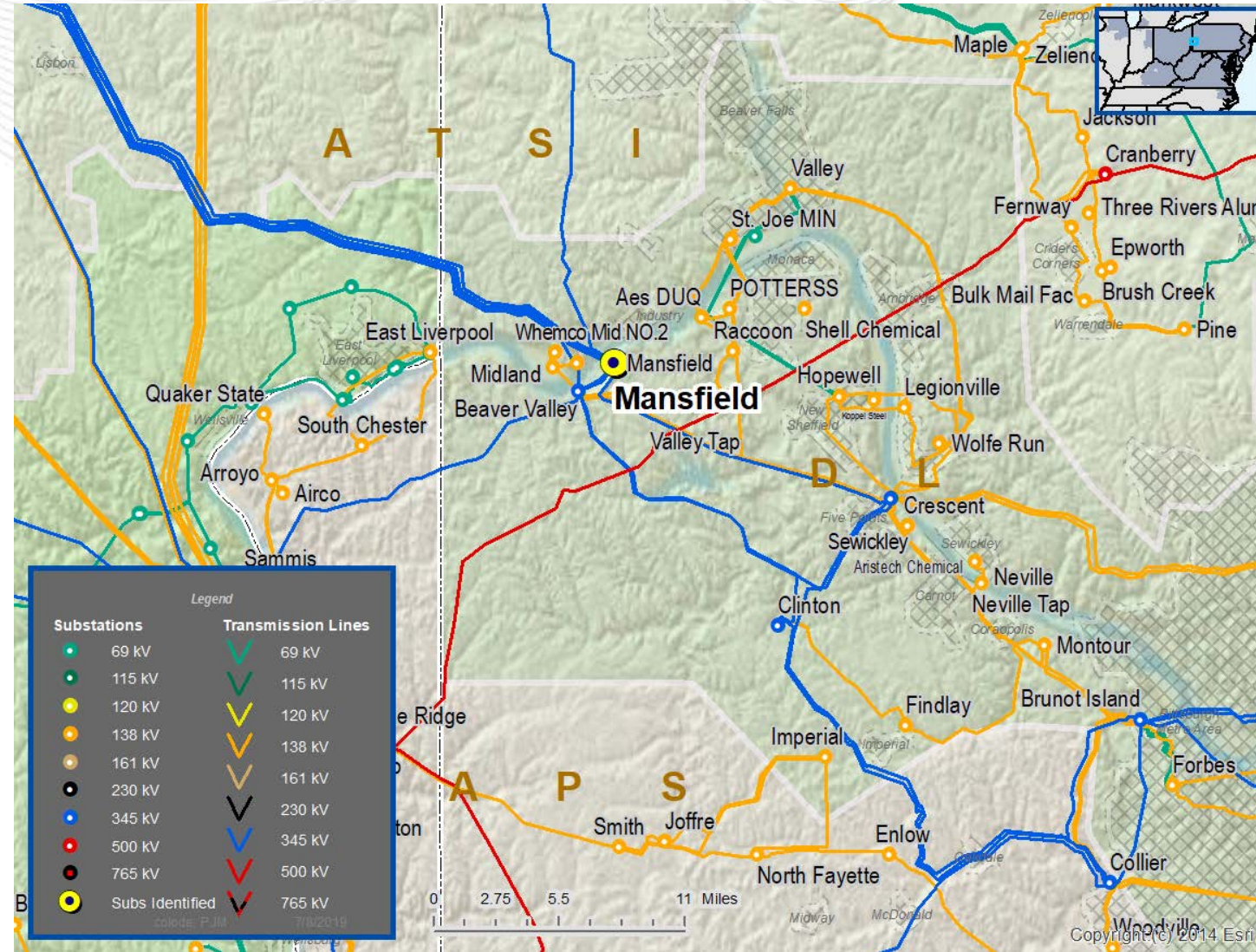
- The projected deactivation date is 06/01/2022.
- All impacts and associated baseline projects were presented on 11/08/2018.
- FE recently informed of the necessary substation work associated with deactivating the unit – B3123.
  - Install a new control building in the switchyard.
  - Construct a new station access road.
  - Install new switchyard power supply to separate from existing generating station power service.
  - Separate all communications circuits.
  - Separate all protection and controls schemes.
- **Estimated Cost: \$8.0M**
- **Projected IS Date: 06/01/2022**



## Bruce Mansfield – 1491 MW

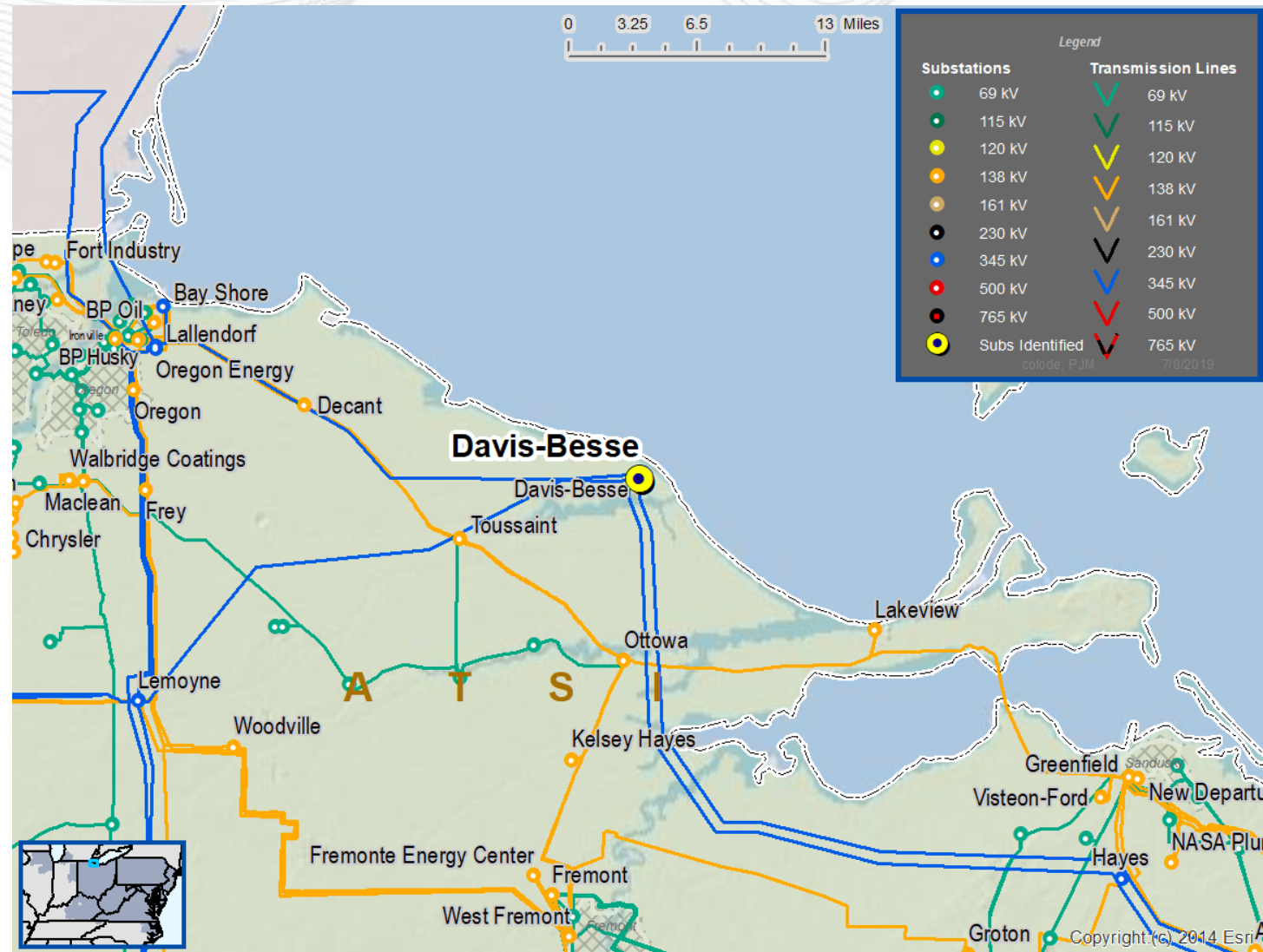
- The projected deactivation date is 06/01/2021.
- All impacts and associated baseline projects were presented on 11/08/2018
- FE recently informed of the necessary substation work associated with deactivating the unit – B3124 for separating metering, station power, and communication.

- **Estimated Cost: \$0.4M**
- **Projected IS Date: 12/31/2020**



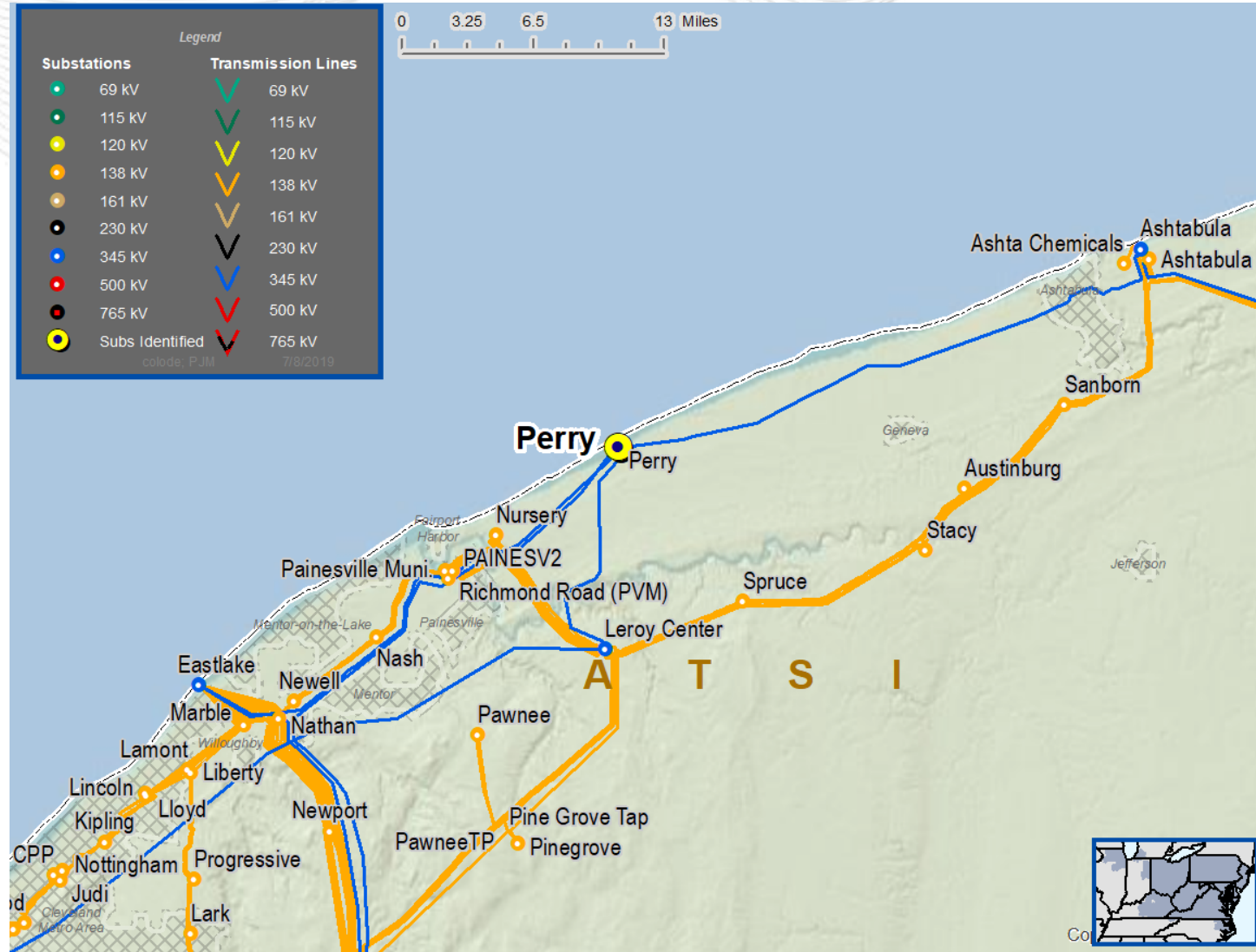
## Davis-Besse 1 deactivation – 896 MW

- The projected deactivation date is 05/31/2020.
  - All impacts and associated baseline projects were presented on 06/07/2018.
  - FE recently informed of the necessary substation work associated with deactivating the unit – B3125.
- Install new switchyard power supply to separate from existing generating station power service.
  - Separate all communications circuits.
  - Separate all protection and controls schemes.
- **Estimated Cost: \$1.8M**
  - **Projected IS Date: 05/31/2020**



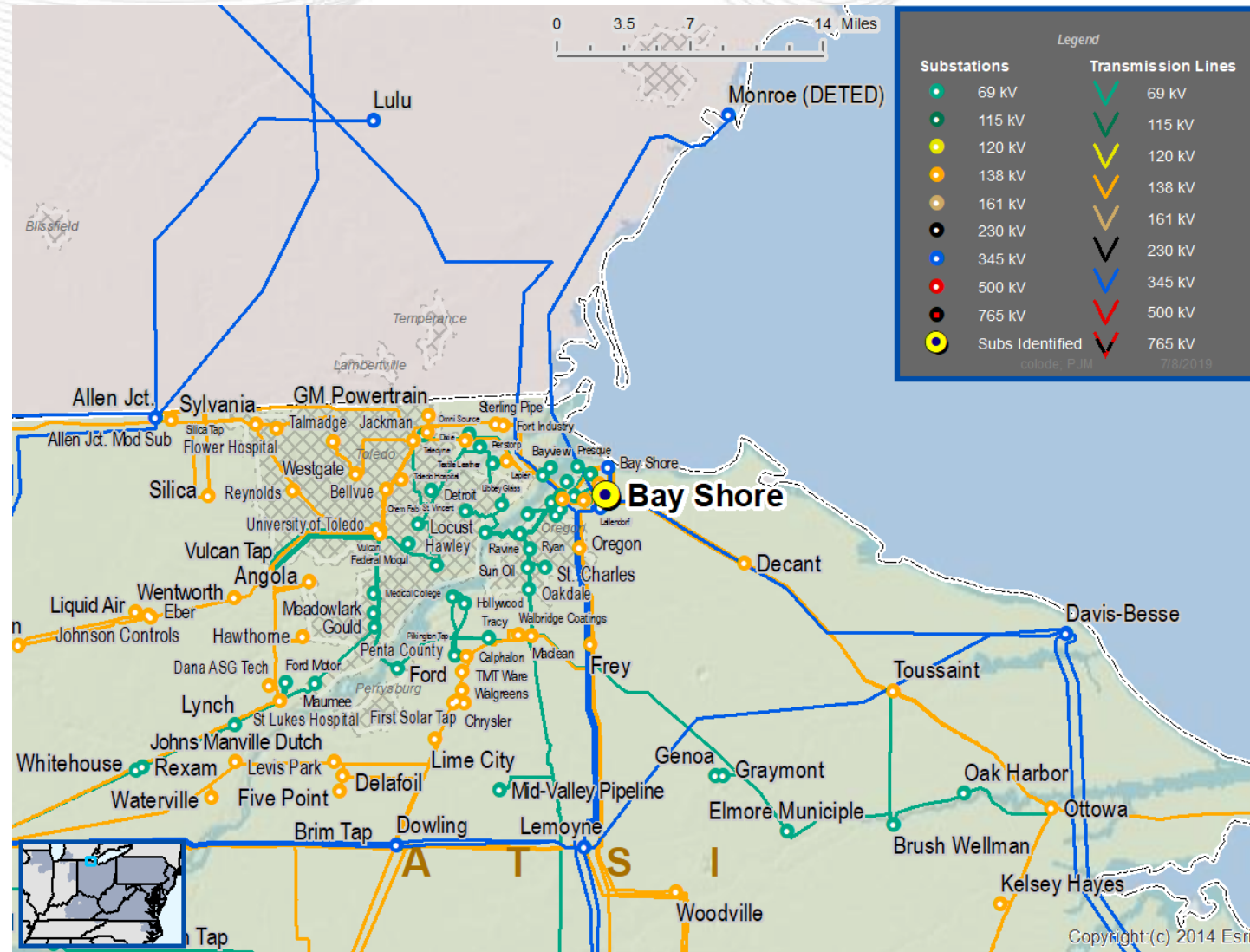
## Perry deactivation – 1247 MW

- The projected deactivation date is 05/31/2021.
  - All impacts and associated baseline projects were presented on 06/07/2018.
  - FE recently informed of the necessary substation work associated with deactivating the unit – B3126.
- Install new switchyard power supply to separate from existing generating station power service.
  - Separate all communications circuits.
  - Construct a new station access road.
- **Estimated Cost: \$0.6M**
  - **Projected IS Date: 05/31/2021**



## Bay Shore 2, 3, and 4 – 495 MW

- The actual deactivation date was 09/01/2012.
  - All impacts and associated baseline projects were initially presented on 09/08/2010.
  - FE recently informed of the necessary substation work associated with deactivating the unit – B3127.
- Install new switchyard power supply to separate from existing generating station power service.
  - Separate all communications circuits.
  - Separate metering circuits from switchyard and generation station.
- **Estimated Cost: \$1.5M**
  - **Projected IS Date: 12/31/2021**



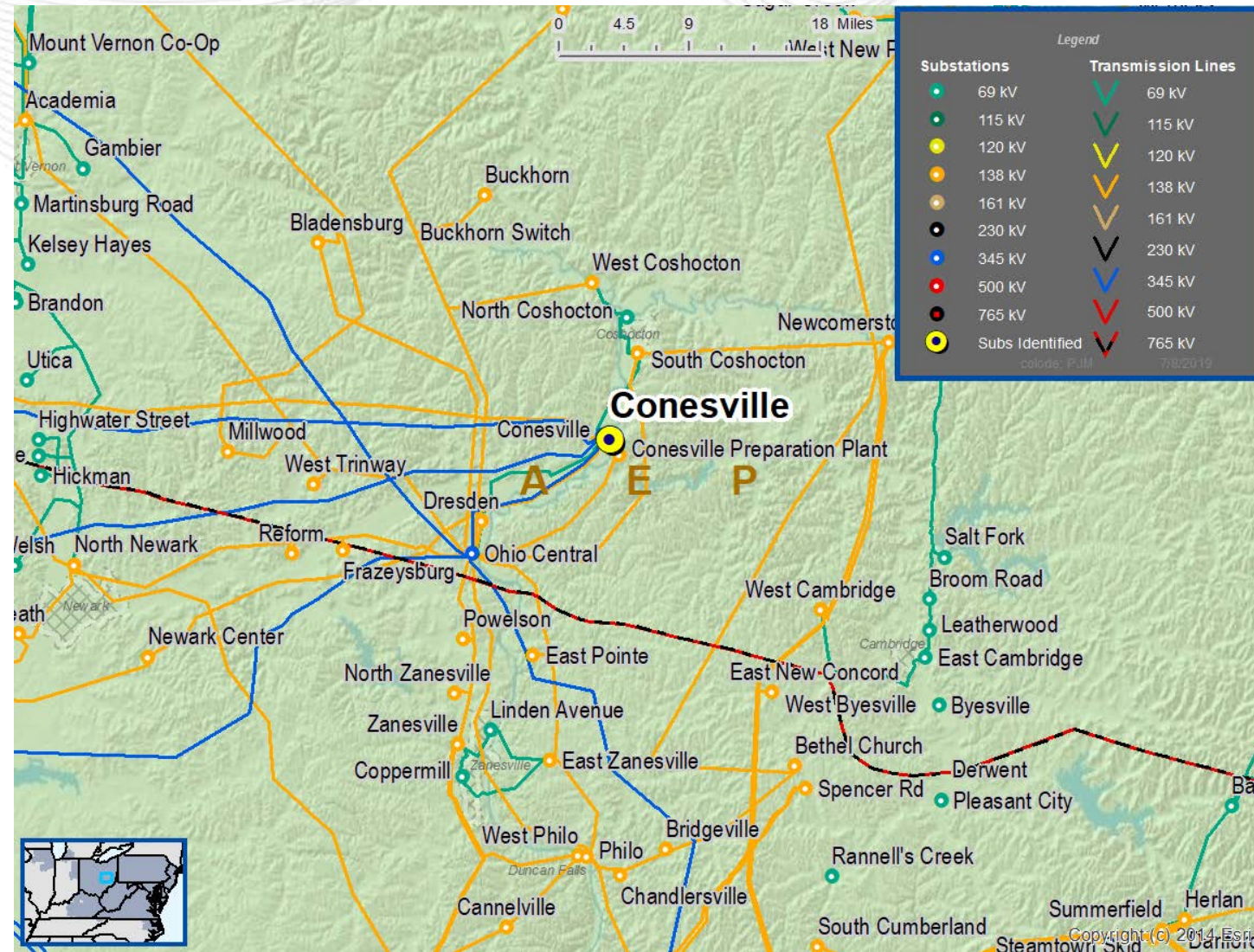




## Conesville 4 – 780 MW

- The projected deactivation date is 09/01/2020.
- All impacts and associated baseline projects were presented on 03/07/2019.
- AEP recently informed of the necessary substation work associated with deactivating the unit – B3129.
  - Remove line leads to generating units.
  - Separate and reconfigure protection schemes.
  - Transfer plant AC service to existing station service feeds in the switchyard.

- **Estimated Cost: \$1.5M**
- **Projected IS Date: 12/31/2020**



- V1 – 07/08/2019 – Original slides posted
- V2 – 07/09/2019 – Corrected Transmission Zone on slide #3