

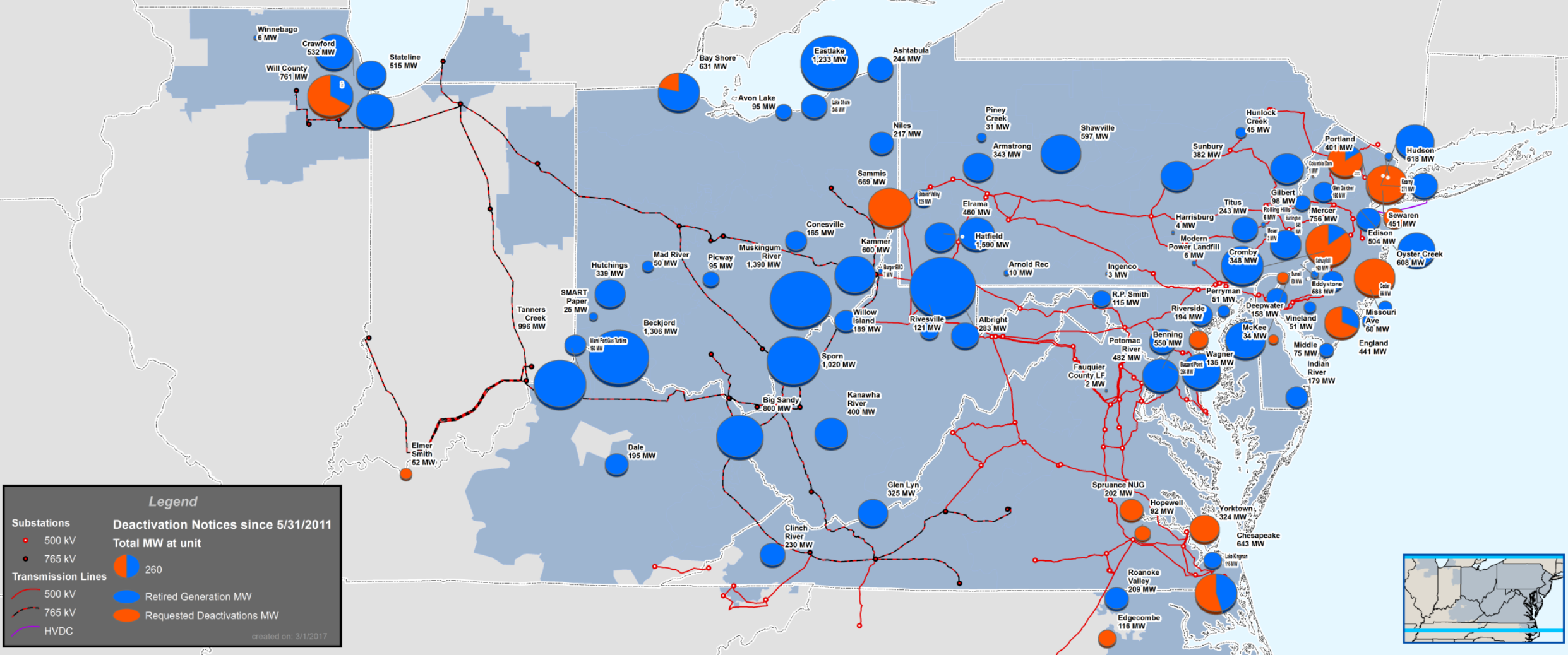


Generation Deactivation Notification Update

Transmission Expansion Advisory
Committee

March 9, 2017





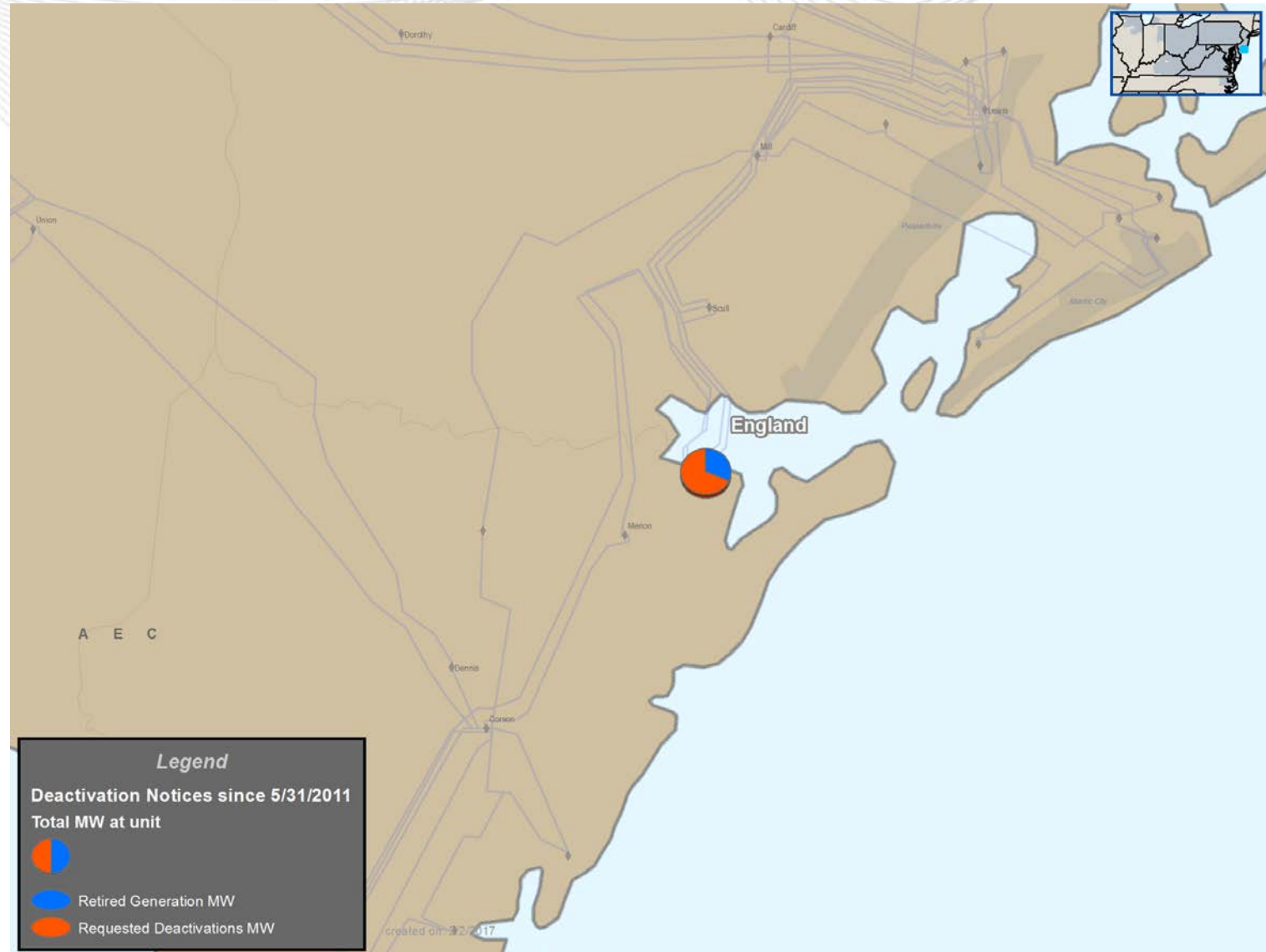
Unit(s)	Transmission Zone	Requested Deactivation Date	PJM Reliability Status
Edgecomb Rock 1-2 (116 MW)	DOM	6/1/2017	Reliability analysis complete. No impacts identified.
Spruance 1 Rich 1-2 (116 MW)	DOM	6/1/2017	Reliability analysis complete. No impacts identified.
Spruance 2 Rich 3-4 (86 MW)	DOM	6/1/2017	Reliability analysis complete. No impacts identified.

Unit(s)	Transmission Zone	Requested Deactivation Date	PJM Reliability Status
Yorktown Unit 1 (159 MW)	DOM	Orig. 12/31/2014 Rev. 4/15/2017	Reliability analysis complete. Impacts identified. Units requested and were granted an environmental compliance extension to continue to operate until April 15, 2017 to support transmission outages in the area to install needed upgrades.
Yorktown Unit 2 (165 MW)	DOM	Orig. 12/31/2014 Rev. 4/15/2017	<p>On January 5, 2017 Dominion submitted to FERC an informational filing for a Deactivation Avoidable Cost Rate for Yorktown units 1 and 2.</p> <p>Zonal Cost Allocation: http://www.pjm.com/~media/planning/gen-retire/zonal-cost-allocation-for-retaining-yorktown-1-and-2-generators.ashx</p>

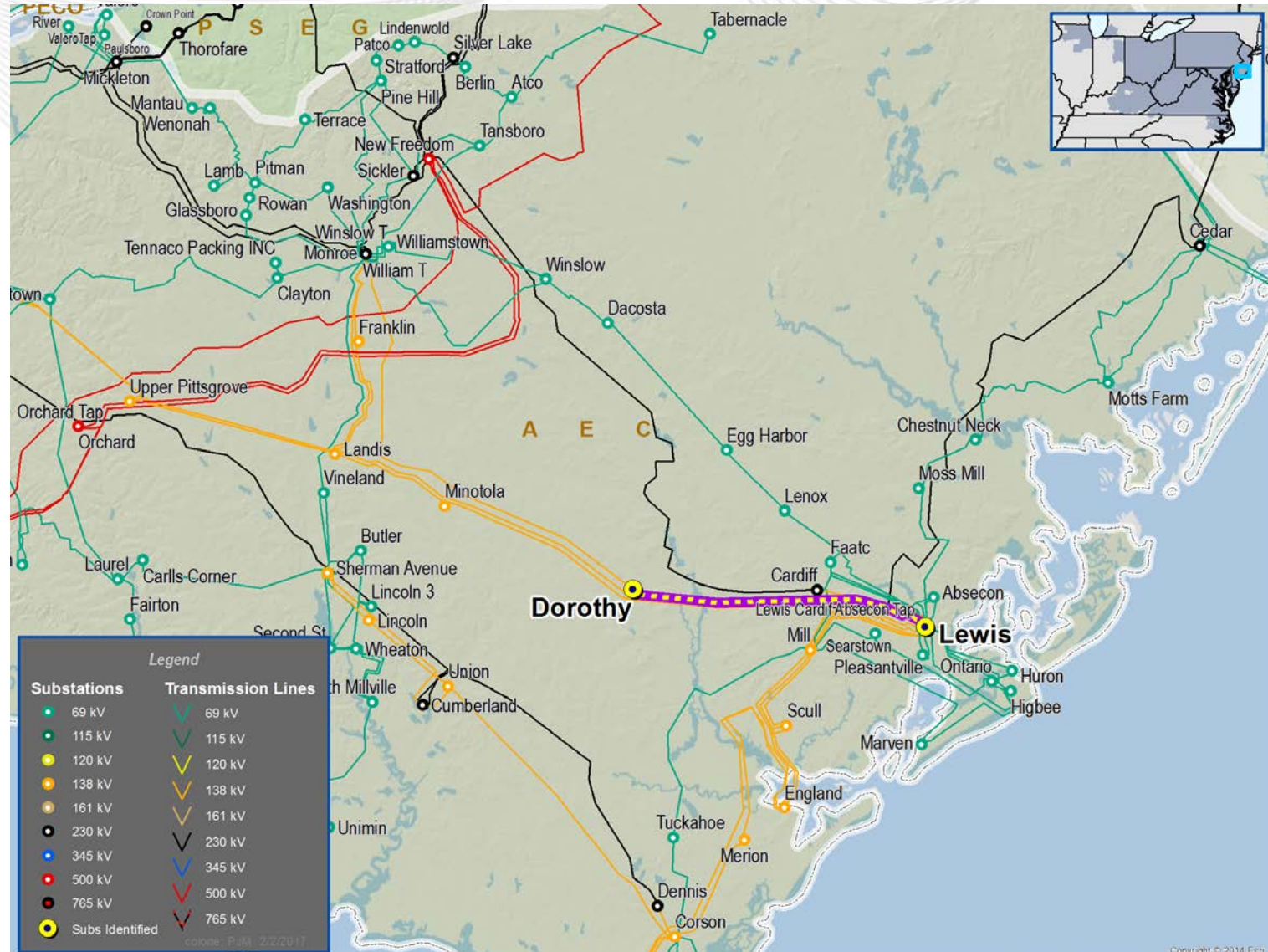
Unit(s)	Transmission Zone	Requested Deactivation Date	PJM Reliability Status
B.L. England Unit 2 (155 MW)	AE	4/30/2017	Reliability analysis complete. Impacts Identified but will be resolved by previously approved baseline upgrades, which are currently scheduled to be completed in 2 years.
B.L. England Unit 3 (148.9 MW)	AE	4/30/2017	Due to the delays in upgrade completion and outages needed to support those upgrades, PJM will request B.L. England Units 2 & 3 to be Reliability Must Run generators until required upgrades are completed or PJM updated reliability analysis shows there is no longer a reliability violation.

Deactivation Update: Deactivation Notifications

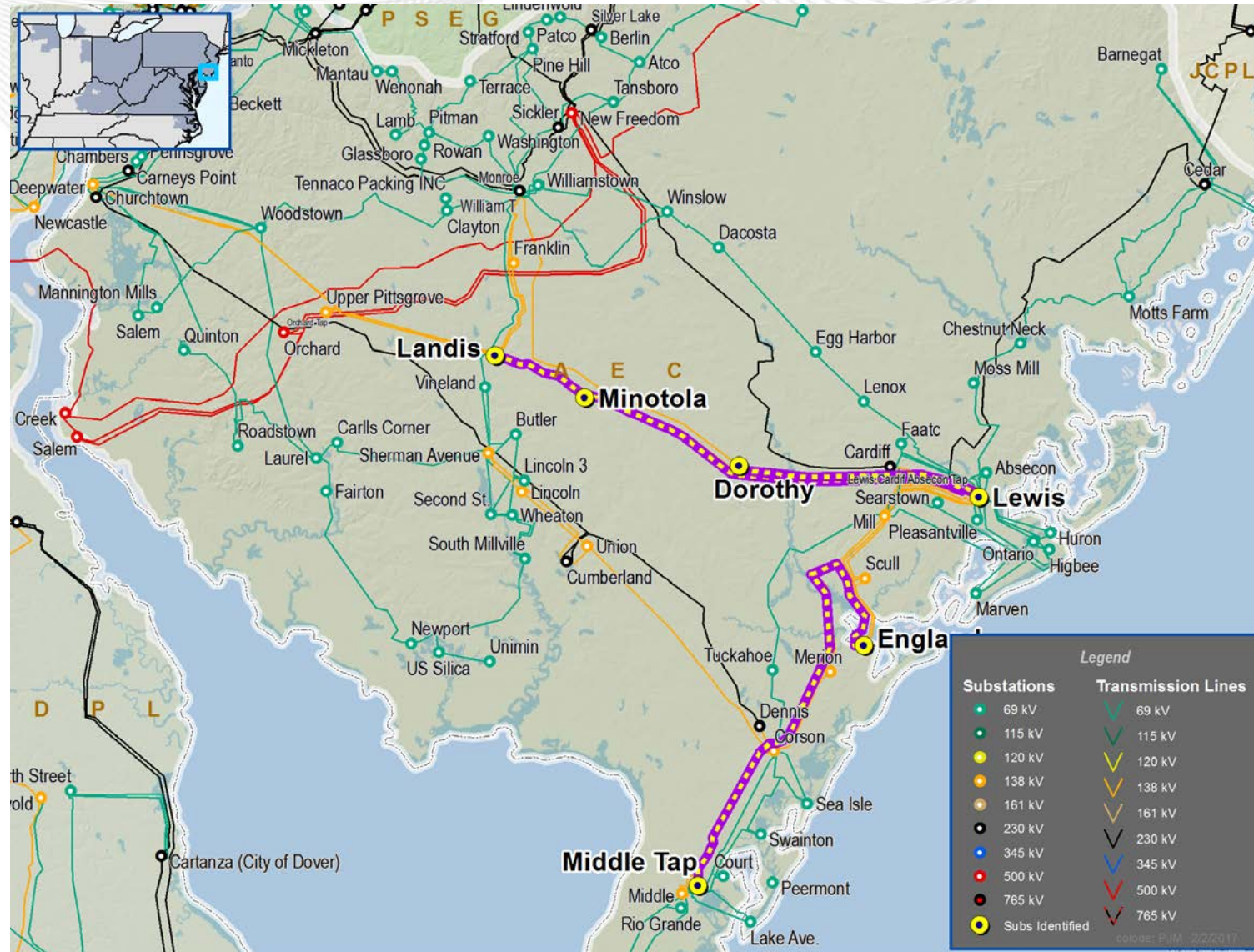
- B.L. England Units 2 & 3
 - AE Transmission Zone
 - 303.9 MW
 - Deactivation date: 04/30/2017



- Load Deliverability Outage:
- Dorothy – Lewis 138 kV line is overloaded for the loss of New Freedom – Cardiff 230 kV line.
- Existing Baseline Upgrades that were previously approved by the PJM Board resolve the issue.
- Cost estimate: \$131.1M (B2479-81, B2489)
- Required IS Date: 04/30/2017



- N-1-1 Thermal Outage:
- Dorothy – Lewis 138 kV, Landis – Minotola 138 kV, BLE – Middle Tap 138 kV, Dorothy - Minotola 138 kV lines are overloaded for loss of New Freedom – Cardiff and Oyster Creek – Cedar 230 kV lines.
- Existing Baseline Upgrades that were previously approved by the PJM Board resolve the issue.
- Cost estimate: \$131.1M (B2479-81, B2489)
- Required IS Date: 04/30/2017



- N-1-1 Voltage Drop Outage:
- Multiple violations for loss of New Freedom – Cardiff and Oyster Creek – Cedar 230 kV lines
- Existing Baseline Upgrades that were previously approved by the PJM Board resolve the issue.
- Cost estimate: \$131.1M (B2479-81, B2489)
- Required IS Date: 04/30/2017



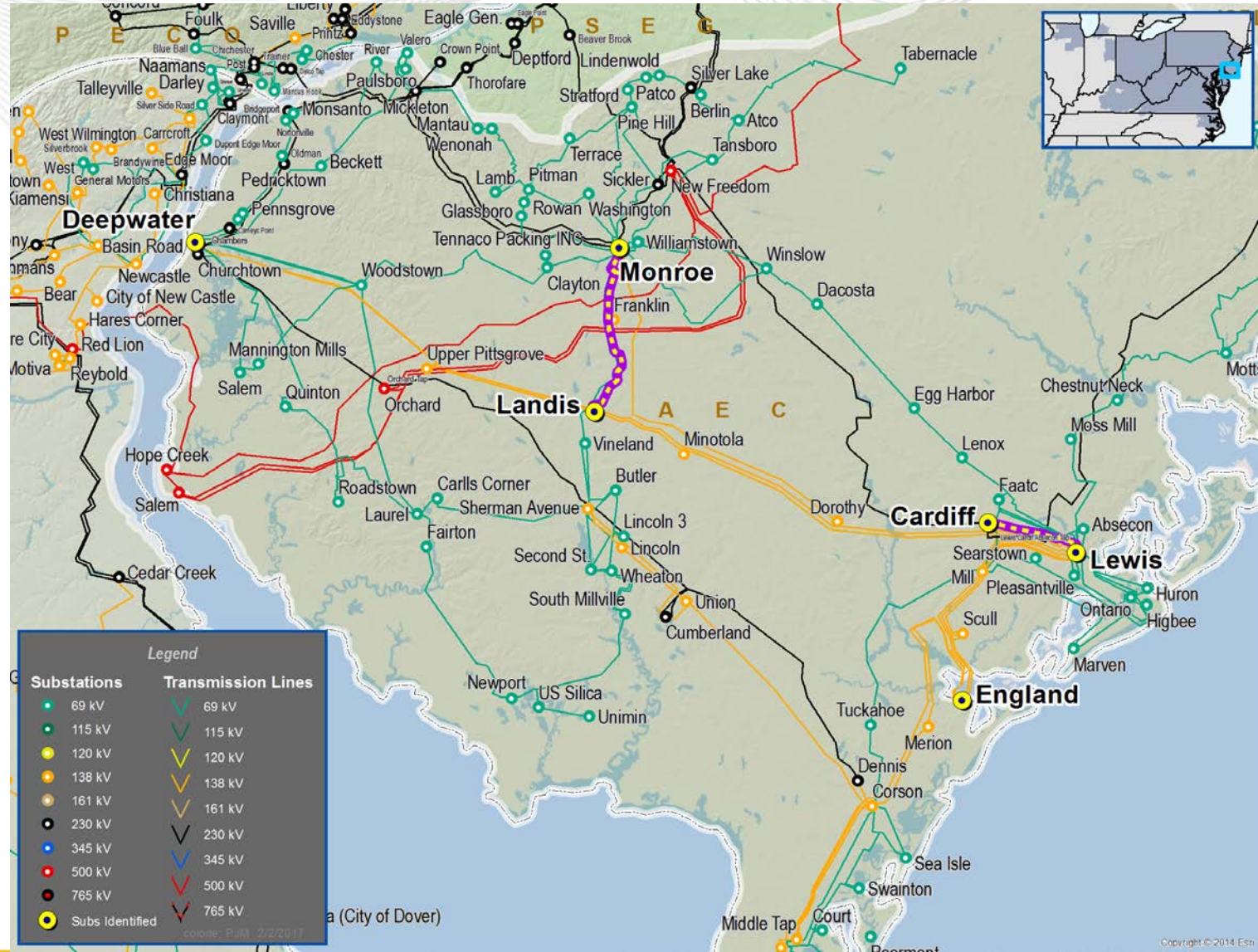
Description: B2480.2, B2381, B2489

Projected In-Service 2017

Monroe – Landis 138 kV Line - Relocate Monroe to Deepwater Tap 138 kV to Landis 138 kV and associated substation upgrades. (B2480.2) – AE

Cardiff – Lewis 138 kV Line - New Cardiff – Lewis # 2 138 kV line and associated substation upgrades. (B2481) – AE

BL England Station - Install a 100 MVAR capacitor at BL England. (B2489) – AE



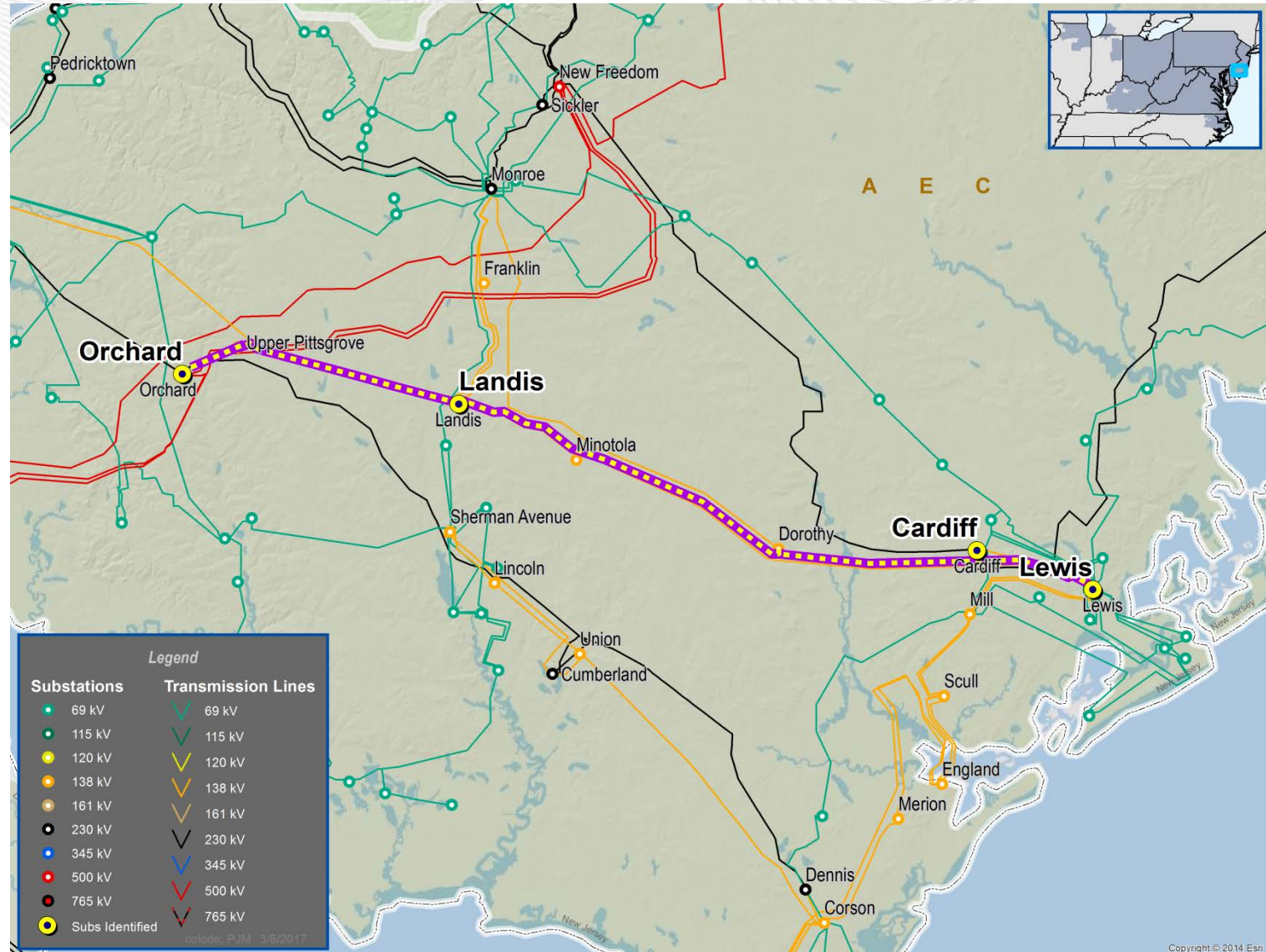
Description: B2479, B2480.1, B2480.3

Projected In-Service 2018/2019

Orchard – Cardiff 230 kV Line - New Orchard – Cardiff 230 kV line (remove, rebuild, and reconfigure existing 138 kV line) and associated substation upgrades. (B2479) – AE

Upper Pittsgrove – Landis 138 kV Line - New Upper Pittsgrove – Landis 138 kV line and associated substation upgrades. (B2480.1)

Landis – Lewis 138 kV Line - New Landis – Lewis 138 kV line and associated substation upgrades. (B2480.3) – AE





- Estimated Project Cost: \$131.1M
 - B2479: \$30M
 - B2480.1: \$60M
 - B2480.2: \$0.57M
 - B2480.3: \$31.03M
 - B2481: \$5.5M
 - B2489: \$4M

- Projected In-Service
 - B2479: 4/30/2019
 - B2480.1: 5/31/2019
 - B2480.2: 5/31/2017
 - B2480.3: 12/31/2018
 - B2481: 5/31/2017
 - B2489: 5/31/2017

- V1 – 3/XX/2017 – Original Slides Posted