

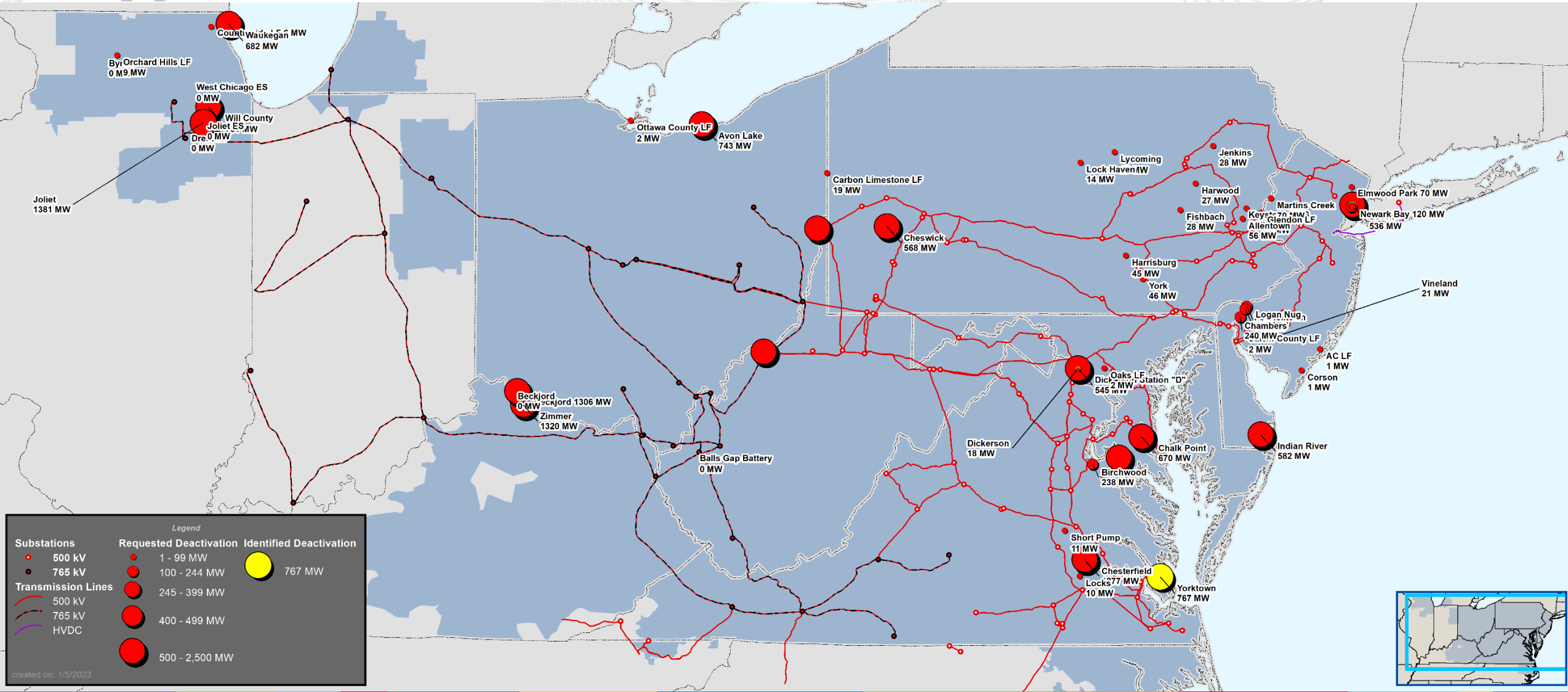


Generation Deactivation Notification Update

Transmission Expansion Advisory Committee
February 07, 2023



Generation Deactivation Announcements 2020-2022





Deactivation Status

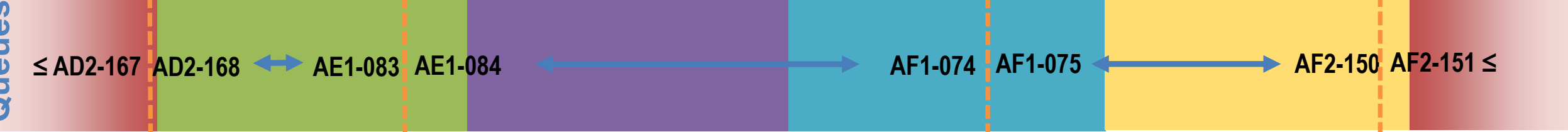
Unit(s)	Transmission Zone	Requested Deactivation Date	PJM Reliability Status
Yorktown 3 -767.1 MW	Dominion	5/31/2023	Reliability analysis underway



Beaver Valley 1 & 2 Reinstatement Queue Impact on Baselines

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec | Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec | Jan Feb Mar Apr May Jun

2018 **AD2-Queue** **AE1-Queue** **AE2-Queue** **AF1-Queue** **AF2-Queue** **AG1-Queue**



RTEP

<table border="1"> <tr><td>b2965</td></tr> <tr><td>b2967</td></tr> </table>	b2965	b2967	<table border="1"> <tr><td>b3005</td><td>b3215</td><td>b3015.2</td></tr> <tr><td>b3006</td><td>b3216</td><td>b3015.3</td></tr> <tr><td>b3007.1</td><td>b3011.5</td><td>b3015.4</td></tr> <tr><td>b3007.2</td><td>b3011.6</td><td>b3217</td></tr> <tr><td>b3008</td><td>b3012.1</td><td>b3015.7</td></tr> <tr><td>b3009</td><td>b3012.2</td><td>b3015.8</td></tr> <tr><td>b3010</td><td>b3013</td><td>b3016</td></tr> <tr><td>b3011.1</td><td>b3014</td><td>b3017</td></tr> <tr><td>b3011.2</td><td>b3015.1</td><td>b3024</td></tr> </table>	b3005	b3215	b3015.2	b3006	b3216	b3015.3	b3007.1	b3011.5	b3015.4	b3007.2	b3011.6	b3217	b3008	b3012.1	b3015.7	b3009	b3012.2	b3015.8	b3010	b3013	b3016	b3011.1	b3014	b3017	b3011.2	b3015.1	b3024	<table border="1"> <tr><td>b3012.3</td><td>b3066</td><td>b3075</td><td>b3084</td></tr> <tr><td>b3012.4</td><td>b3067</td><td>b3076</td><td>b3085</td></tr> <tr><td>b3061</td><td>b3068</td><td>b3077</td><td></td></tr> <tr><td>b3062</td><td>b3069</td><td>b3078</td><td></td></tr> <tr><td>b3063</td><td>b3070</td><td>b3079</td><td></td></tr> <tr><td>b3064.1</td><td>b3071</td><td>b3080</td><td></td></tr> <tr><td>b3064.2</td><td>b3072</td><td>b3081</td><td></td></tr> <tr><td>b3064.3</td><td>b3073</td><td>b3082</td><td></td></tr> <tr><td>b3065</td><td>b3074</td><td>b3083</td><td></td></tr> </table>	b3012.3	b3066	b3075	b3084	b3012.4	b3067	b3076	b3085	b3061	b3068	b3077		b3062	b3069	b3078		b3063	b3070	b3079		b3064.1	b3071	b3080		b3064.2	b3072	b3081		b3064.3	b3073	b3082		b3065	b3074	b3083		<table border="1"> <tr><td>b2965</td><td>b3215</td><td>b3015.7</td></tr> <tr><td>b3214</td><td>b3216</td><td>b3015.8</td></tr> <tr><td>b3006</td><td>b3011.5</td><td>b3016</td></tr> <tr><td>b3007.1</td><td>b3012.1</td><td>b3024</td></tr> <tr><td>b3007.2</td><td>b3015.1</td><td>b3064.1</td></tr> <tr><td>b3008</td><td>b3015.2</td><td>b3064.2</td></tr> <tr><td>b3009</td><td>b3015.3</td><td>b3064.3</td></tr> <tr><td>b3011.1</td><td>b3015.4</td><td>b3084</td></tr> <tr><td>b3011.2</td><td>b3217</td><td>b3085</td></tr> </table>	b2965	b3215	b3015.7	b3214	b3216	b3015.8	b3006	b3011.5	b3016	b3007.1	b3012.1	b3024	b3007.2	b3015.1	b3064.1	b3008	b3015.2	b3064.2	b3009	b3015.3	b3064.3	b3011.1	b3015.4	b3084	b3011.2	b3217	b3085	<p>Key</p> <ul style="list-style-type: none"> In-Service EP/Under Construction Pending queue resolution Canceled
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Notices

03/28/2018: First Energy announces deactivation of **Davis Besse 1, Perry 1, and Beaver Valley 1-2**

08/29/2018: First Energy announces deactivation of Eastlake 6, **Samimis 5-7**, Samimis Diesel, and Mansfield 1-3

07/29/2019: First Energy announces reinstatement of Davis Besse 1, Perry 1, and Samimis 5-7

03/13/2020: First Energy announces reinstatement of Beaver Valley 1-2



Baseline upgrade Cancelation -APS

Upgrade Id	Description
b2967	Convert the existing 6 wire Butler - Shanor Manor - Krendale 138 kV Line into two separate 138 kV lines. New lines will be Butler - Keisters and Butler - Shanor Manor - Krendale 138 kV
b3005	Reconductor 3.1 mile 556 ACSR portion of Cabot to Butler 138 kV with 556 ACSS and upgrade terminal equipment. 3.1 miles of line will be reconducted for this project. The total length of the line is 7.75 miles.
b3010	Replace terminal equipment at Keystone and Cabot 500 kV buses. At Keystone, bus tubing and conductor, a wavetrap, and meter will be replaced. At Cabot, a wavetrap and bus conductor will be replaced.
b3011.1	Construct new Route 51 substation and connect 10 138 kV lines to new substation
b3011.6	Upgrade remote end relays for Yukon –Allenport – Iron Bridge 138 kV line
b3012.1	Construct two new 138 kV ties with the single structure from APS’s new substation to DUQ’s new substation. The estimated line length is approximately 4.7 miles. The line is planned to use multiple ACSS conductors per phase.
b3012.3	Construct a new Elrama - Route 51 138 kV No.3 line: reconductor 4.7 miles of the existing line, and construct 1.5 miles of a new line to the reconducted portion. Install a new line terminal at APS Route 51 substation.



Baseline upgrade Cancelation -APS

Upgrade Id	Description
b3013	Reconductor Vasco Tap to Edgewater Tap 138 kV line. 4.4 miles. The new conductor will be 336 ACSS replacing the existing 336 ACSR conductor.
b3015.8	Upgrade terminal equipment at Mitchell for Mitchell – Elrama 138 kV line
b3064.3	Upgrade line relaying at Piney Fork and Bethel Park for Piney Fork – Elrama 138 kV line and Bethel Park – Elrama 138 kV line.
b3066	Reconductor the Cranberry - Jackson 138 kV line (2.1 miles), reconductor 138 kV bus at Cranberry and replace 138 kv line switches at Jackson
b3067	Reconductor the Jackson - Maple 138 kV line (4.7 miles), replace line switches at Jackson 138 kV and replace the line traps and relays at Maple 138 kV
b3068	Reconductor the Yukon - Westraver 138 kV line (2.8 miles), replace the line drops and relays at Yukon 138 kV and replace switches at Westraver 138 kV
b3069	Reconductor the Westraver - Route 51 138 kV line (5.63 miles) and replace line switches at Westraver 138 kV



Baseline upgrade Cancelation -APS

Upgrade Id	Description
b3070	Reconductor the Yukon - Route 51 #1 138 kV line (8 miles), replace the line drops, relays and line disconnect switch at Yukon 138 kV
b3071	Reconductor the Yukon - Route 51 #2 138 kV line (8 miles) and replace relays at Yukon 138 kV
b3072	Reconductor the Yukon - Route 51 #3 138 kV line (8 miles) and replace relays at Yukon 138 kV
b3074	Replace Substation conductor on the 345/138 kV transformer at Armstrong substation
b3075	Replace substation conductor and 138 kV circuit breaker on the #1 transformer (500/138 kV) at Cabot substation
b3076	Reconductor the Edgewater - Loyalhanna 138 kV line (0.67 miles)
b3079	Replace the Wylie Ridge 500/345 kV transformer #7
b3083	Replace substation conductor at Butler (138 kV) Replace substation conductor and line trap at Karns City (138 kV)



Baseline upgrade Cancellation -ATSI

Upgrade Id	Description
b3066	Reconductor the Cranberry - Jackson 138 kV line (2.1 miles), reconductor 138 kV bus at Cranberry and replace 138 kv line switches at Jackson
b3067	Reconductor the Jackson - Maple 138 kV line (4.7 miles), replace line switches at Jackson 138 kV and replace the line traps and relays at Maple 138 kV
b3080	Reconductor 138 kV bus at Seneca
b3081	Replace 138 kV breaker and substation conductor at Krendale



Baseline upgrade Cancellation -PENELEC

Upgrade Id	Description
b3014	Replace the existing Shelocta 230/115 kV transformer and construct a 230 kV ring bus
b3073	Replace the Blairsville East 138/115 kV transformer and associated equipment such as breaker disconnects and bus conductor
b3077	Reconductor the Franklin Pike - Wayne 115 kV line (6.78 miles)
b3078	Reconductor 138 kV bus and replace the line trap, relays at Morgan Street. Reconductor 138 kV bus at Venango Junction
b3082	Construct a 4-breaker 115 kV ring bus at Franklin Pike

Facilitator:
Sue Glatz,
Suzanne.Glatz@pjm.com

Secretary:
Tarik Bensala,
Tarik.Bensala@pjm.com

SME/Presenter:
Phil Yum,
Phil.Yum@pjm.com

Generation Deactivation Notification



Member Hotline

(610) 666 – 8980
(866) 400 – 8980
custsvc@pjm.com



Revision History

V1 - 02/02/23 - Original slides posted.

V2 – 02/03/23 - Slide 4 added.