Generation Deactivation Notification Update

Transmission Expansion Advisory Committee
June 2, 2020
<table>
<thead>
<tr>
<th>Unit(s)</th>
<th>Transmission Zone</th>
<th>Requested Deactivation Date</th>
<th>PJM Reliability Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dickerson 1, 2, and 3 (545 MW)</td>
<td>PEPCO</td>
<td>08/13/2020</td>
<td>Reliability analysis Underway</td>
</tr>
</tbody>
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Second Read
Problem Statement: Generation Deliverability - Chesterfield 5 and 6

- Chickahominy 500/230 kV transformer is overloaded for loss of Chickahominy – Surry 500 kV line

Recommended Solution:

- Install the 2nd Chickahominy 500/230 kV transformer (b3213)

Required IS Date: 06/01/2023
Projected IS Date: 06/01/2023

Estimated Project Cost: $22M
The following 8 baseline projects remain due to work progression.

- **B2965** – Reconstructor the Charleroi - Allenport 138 kV line
- **B3006 (APS)** - Replace four Yukon 500/138 kV transformers with three transformers with higher rating and reconfigure 500 kV bus
- **B3008 (PENELEC)** - Upgrade Blairsville East 138/115 kV transformer terminals
- **B3009 (PENELEC)** - Upgrade Blairsville East 115 kV terminal equipment
- **B3015.2 (DLCO)** – Reconstructor Elrama to Wilson 138 kV line
- **B3217 (DLCO) formerly B3015.5**
  - Assigned as a new baseline project (B3217) with a updated description for reconductoring Wilson to Mitchell 138 kV line
- **B3016 (PENELEC)** – Corry East 115 kV terminal equipment to Four Mile 115 kV line
- **B3024 (PENELEC)** – Corry East 115 kV terminal equipment to Warren 115 kV line
New upgrade required:

  - B2966 was cancelled by deactivation upgrades
  - Estimated Cost: $21.4M
  - Projected IS date: 06/01/2023
The remaining baseline projects remain required for the identified violations:

- **B3215 (APS) formerly B3011.3**
  - Assigned as a new baseline project (B3215) with updated description: Upgrade terminal equipment at Yukon to increase rating on Yukon – AA2-161 (Robbins) 138 kV line
  - Newly estimated cost: $0.4M

- **B3216 (APS) formerly B3011.4**
  - Assigned as a new baseline project (B3216) with updated description: Upgrade terminal equipment at Yukon to increase rating on Yukon – AA2-161 (Wycoff jct) 138 kV line
  - Newly Estimated cost: $0.5M

- **B3084 (DLCO)** - Reconductor the Oakland - Panther Hollow 138 kV line.
• V1 – 05/26/20 - Original slides posted
• V2 – 06/02/20 – Revised requested deactivation date on slide # 3