2020-2021
Stage 1A ARR 10 Year Analysis Update

Xu Xu, Sr. Engineer
Transmission Expansion Advisory Committee
August 04, 2020
• **Purpose:**
  Test the transmission system’s ability to support the simultaneous feasibility of all Stage 1A ARRs for base load plus the projected ten-year growth of base load

• **Results:**
  – 2020/2021 Stage 1A 10-Year ARR analysis identified violations on two internal facilities
  – A planned upgrade has been identified to address the violation
  – No further action required at this time
## Results of 2020/21 Stage 1A ARR 10-year Analysis

<table>
<thead>
<tr>
<th>Facility Name</th>
<th>Facility Type</th>
<th>First Year of Violation</th>
<th>Upgrade expected to fix infeasibility</th>
<th>Expected in-service date</th>
</tr>
</thead>
<tbody>
<tr>
<td>KILMER 230 KV KIL-LAKI and LAKENELS 230 KV LAK-MID</td>
<td>Internal</td>
<td>1</td>
<td>PJM RTEP b3042: Replace substation conductor at Raritan River 230 kV substation on the Kilmer line terminal.</td>
<td>2023</td>
</tr>
</tbody>
</table>
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2020/2021 Stage1A ARR 10 year analysis

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