EPRI-IEA Workshop:
Challenges in Decarbonization: Building a Resilient Net Zero Future

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PJ as Part of the Eastern Interconnection

Key Statistics

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Member companies</td>
<td>1,010+</td>
</tr>
<tr>
<td>Millions of people served</td>
<td>65</td>
</tr>
<tr>
<td>Peak load in megawatts</td>
<td>165,492</td>
</tr>
<tr>
<td>MW of generating capacity</td>
<td>180,086</td>
</tr>
<tr>
<td>Miles of transmission lines</td>
<td>84,236</td>
</tr>
<tr>
<td>2018 GWh of annual energy</td>
<td>806,546</td>
</tr>
<tr>
<td>Generation sources</td>
<td>1,379</td>
</tr>
<tr>
<td>Square miles of territory</td>
<td>369,089</td>
</tr>
<tr>
<td>States served</td>
<td>13 + DC</td>
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</tbody>
</table>

- 26% of load in Eastern Interconnection
- 20% of transmission assets in Eastern Interconnection

As of 1/2019

21% of U.S. GDP produced in PJM
Markets

– Establishment of Clean Energy Capacity/Energy Market
– Incorporation of Effective Load Carrying Capability

Planning

– PJM Response to FERC ANOPR:
  • Planning for Future Generation
    – The 15-Year ‘Master Plan’ Concept
    – Need for Ongoing ‘Check-In’s’ and Decision-Making Criteria

Forecasting

– Increased granularity in forecasting
Clean Energy Transformation---Issues for Consideration

**Markets**

– Clean Energy/Capacity Procurement
  • Does the energy market already reflect RPS requirements?
  • Should the capacity market include a separate procurement tranche?

**Planning**

• What are the criteria for ordering transmission based on forecasts of future generation? Who decides?

**Forecasting**

• Revamping the concept of installed reserve margin and LOLE
LET’S TALK …

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