# Long Term Regional Transmission Planning (LTRTP) Feedback Received and Some Considerations

PJM Staff

Special Planning Committee Session

26 January 2024

- Check grammar/typos/language consistency

- Add details, particularly on:

  – Definition of the Base Reliability scenario

  – Capacity expansion

  – Benefits

  – Development of multiple scenarios and their use

- Keep manual language at a high level and work through the details in the assumption discussion phase

- Stakeholders asked for more specificity with regard to the base reliability scenario assumptions

- PJM would like stakeholder feedback on the following proposed Manual 14b revisions to add more clarity as to what will be included in the Base Reliability scenario

- Section C.4.1 in Attachment C of Manual 14b describes the base case development procedures for the Base Reliability scenario.  Proposed language revisions and an additional exhibit based on stakeholder feedback received during and after the 1/23/2024 Special PC LTRTP page turn appear on the next slides

# Base Reliability Scenario Primary Inputs, Manual 14B Exhibit

|  | Base Reliability Scenario Primary Inputs |
|---|---|
| Load | PJM's annual load forecast |
| Retirements | Announced, Federal Policy, and State Policy retirements |
| Resource Adequacy | Target 1-in-10 LOLE |
| Existing Generation | Existing, ISA, awarded SAA capability |
| Replacement Generation to meet 1-in-10 | Queue* |

*Note: * Additional replacement generation beyond the queue may be necessary to achieve resource adequacy - process described in revised Manual language (slide 5).*

- To support the long-term timeframe, PJM will construct a Base Reliability scenario and associated base cases consisting of a minimum set of inputs that must be modeled to ensure resource adequacy and identify future transmission needs and solutions required to maintain the reliability of the system. This scenario is called the Base Reliability scenario. The primary inputs into the Base Reliability scenario are the PJM Load Forecast Report, existing generation not associated with an announced deactivation or impacted by federal or state deactivation policies, and replacement generation from the PJM interconnection queue to ensure resource adequacy. Additional replacement generation, if needed, beyond the PJM interconnection queue will be selected as necessary to ensure resource adequacy. To determine the specific replacement generation from the queue and beyond the queue that may be necessary to ensure resource adequacy, PJM will use widely accepted capacity expansion modeling tools that will be reviewed with stakeholders upfront and refined periodically as necessary to improve the models' performance. ~~Examples of inputs modeled in the base reliability scenario are PJM's official load forecast, federal and state policy retirements, and the queue.~~