TPL-001-4 and TO Spare Equipment Strategies in RTEP

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• TPL-001-4 Requirement 2.1.5.

• When an entity’s spare equipment strategy could result in the unavailability of major Transmission equipment that has a lead time of one year or more (such as a transformer), the impact of this possible unavailability on System performance shall be studied. The studies shall be performed for the P0, P1, and P2 categories identified in Table 1 with the conditions that the System is expected to experience during the possible unavailability of the long lead time equipment.
• Technical Discussion
  – Which equipment types could result in the unavailability of major Transmission equipment that has a lead time of one year or more
    • Transformers, etc.
  – Of those identified types, do the TO’s have spare equipment strategies that would still result in the one year unavailability
    • Spare equipment programs are TO specific
• Potential Analytical Approach
  – Develop a list of PJM equipment that could meet R2.1.6

  – Consider each piece of spare equipment and evaluate P0, P1, and P2 categories of contingencies
    • Consider a range of demands (Summer, Winter, Light Load)
Questions?

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