18/19 Long-Term RTEP Window Informational Update: Hunterstown – Lincoln (HL_622)

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Key Takeaways

- During the 2018/19 Long-Term Window PJM recommended proposal HL_622 as solution to address the Hunterstown – Lincoln congestion driver
  - Baseline project b3145, which rebuilds the Hunterstown-Lincoln 115 kV line
  - Approved by the PJM Board of Managers in December, 2019

- On March 6, 2020 PJM was notified by the proposal sponsor that an incorrect winter-normal rating for a proposed facility was submitted as part of proposal HL_622

- The market efficiency group reran the proposal with the updated rating – the results of the analysis were unchanged

- PJM maintains its recommendation approved by the PJM Board

Appendix – Background Information

Hunterstown – Lincoln Overview

- PJM identified the Hunterstown-Lincoln 115 kV line as a targeted congestion facility for the 2018/19 Long-Term Window
  - Production cost simulations showed $20.77 million in market congestion on this facility based on 2023 input assumptions and simulation results

- PJM received 22 proposals addressing this congestion driver
  - 19 greenfield proposals and three upgrade proposals, from seven entities

- PJM selected Project HL_622 because it fully addresses the target congestion driver, has a BC ratio of 76.41, and did not cause any reliability issues

Simulation Results

- PJM planning model uses normal summer/winter (Rate A) ratings for base monitoring and emergency summer/winter ratings (Rate B) for monitoring associated with single contingencies.

- Congestion analysis for simulated years 2019, 2023, 2026 and 2029 shows that the Hunterstown – Lincoln 115 kV constraint is binding only for nearby single contingencies, it is not binding for base monitoring (no contingency).

- Therefore, as the error did not affect the summer and winter emergency ratings, there was no change in the economic dispatch solution of the production costing model, no change in the load payments benefits, respectively no change in the B/C ratio for this project.

Revision History

- V1 – 4/7/2019 – Original slides posted