



Interconnection Study Metrics Processing Time Exceedance Report Q3 2022

November 14, 2022

Section 1

Metrics Report Requirements

Section 3.5.3 of Attachment N of Xcel Energy Operating Companies (“Xcel Energy”) Open Access Transmission Tariff (“OATT”) requires Public Service Company of Colorado (“PSCo”) to comply with specific reporting requirements when Interconnection Study timelines exceed 25% for two consecutive quarters.

Specifically, PSCo must submit a report to the Federal Energy Regulatory Commission (“the Commission”) describing the reason for each study pursuant to an Interconnection Request that exceeded its deadline (i.e., 90 days, 150 days, 90 days) for completion (excluding any allowance for Reasonable Efforts). In addition, PSCo must describe any steps taken to remedy these specific issues and, if applicable, prevent such delays in the future. The report must be filed at the Commission within 45 days of the end of the calendar quarter.

Section 2

Study Timeline Metrics Summary

Fall 2021 Cluster Phase 1 Definitive Interconnection System Impact Study (DISIS)

PSCo completed the Phase 1 study of the Fall 2021 cluster on July 29, 2022. This study was completed in 242 days, exceeding the 90 calendar day deadline. The study took longer than expected due to an extended model development process to ensure the model accurately represented PSCo topology. Further, care was taken to validate results by making comparisons to the Spring 2021 results. The validation required a detailed evaluation and warranted repeating steady-state analysis for both Fall and Spring 2021 with various adjustments to identify the source of any discrepancies. Separately, due to the compound nature of cluster studies and the amount of generation, the system impacts (thermal overloads) or non-convergence issues required significant time and effort to finalize system mitigations

Section 3

Steps to Remedy Issues and Prevent Future Delays

PSCo is preparing to file proposed changes to Attachment N of the OATT to encourage only ready projects to enter the queue and allow an off-ramp for early development projects to exit the queue. We anticipate this will reduce the complexity both in the existing queue for required restudies to account for withdrawals, and future study clusters by limiting the studies to ready projects. We are still preparing a final draft of the proposed changes to file with FERC later this year.