# Background

WECC’s Board of Directors created an item on WECC’s 2023 Corporate Scorecard that depend heavily on System Review Subcommittee (SRS) participation to complete. The scorecard item is to achieve a 15% reduction in power flow model shortcomings. This follows the 2022 Corporate Scorecard, which called for the creation of a prioritized list of power flow model shortcomings and a strategy to reduce them, with a 10% reduction target for 2022, which WECC achieved. To measure the success of this scorecard item in 2023, WECC will compare totals for the following items from the 2024 heavy summer operating case to the 2023 heavy summer operating case.

# Prioritized List of Shortcomings

1. Address unreasonable and severe generator saturation factors
2. Address unreasonable generator inertia constants
3. Match generator MVA in power flow and dynamics
4. Reduce the amount of netted generation for units above 10 MVA, or 20 MVA for collector-based generation
5. Address generator reactive power limits compared with maximum active power to have a reasonable power factor.