



2026 Power Flow Model Priority Shortcomings

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Prioritized List of Power Flow Model Shortcomings

WECC's prioritized list of power flow model shortcomings for 2026 is –

1. Number of dynamic models not read in
2. Generators whose characteristic resistance is greater than or equal to characteristic reactance
3. Missing element ratings
4. Generators dispatched above their maximum power or below their minimum power
5. Voltage controlling transformers with narrow voltage bandwidths

Success will be measured by comparing the 2027 heavy summer operating case (27HS3a.sav), scheduled to be completed on August 7, 2026, to the 2026 heavy summer operating case (26HS3a.sav). The table shows the error totals for the 26HS3a.sav case and the final goal, which is a 30% reduction.

Priority	26HS3a.sav Count
Not read models	4,437
$R_{source} \geq X_{source}$	715
Missing element ratings	71
$P > P_{max}$, or $P < P_{min}$	22
Transformer voltage bandwidth	32
Total	5,277
27HS3a.sav Goal	3,693