WESTAR ENERGY
TRANSMISSION PLANNING POLICY

No. 0300
Issued Date: July 31, 2018
Superseded Date: March 15, 2018

SUBJECT: Transmission System Steady State Voltage Limits

Westar Energy's standard is to maintain the electric transmission system voltage in the range of +/- 5 percent of nominal during normal steady state conditions on all buses 69 kV and above.

Westar Energy's standard is to maintain the electric transmission system voltage in the range of +5/- 7 percent of nominal during post-contingency conditions on all load serving buses from 69-200 kV and +/- 5 percent of nominal on all buses above 200 kV.

Wolf Creek requires that the 345 kV switchyard be operated within the established minimum and maximum switchyard steady state voltages of greater than or equal to 98 percent of nominal and less than or equal to 104.5 percent of nominal in accordance to Wolf Creek Licensing requirements. In all Transmission Planning studies, the Wolf Creek 345 kV switchyard voltage is maintained between 99 percent of nominal and 103 percent of nominal during all conditions.

Post-contingency voltage deviation from pre-contingency levels is acceptable provided system voltages at all buses 69 kV and above remain within the limits established above.

This policy shall be used when performing Tariff studies and shall be provided to the Southwest Power Pool.

Additional voltage limitations are contained in the Westar Energy Facility Connection Standard publicly posted on the Westar Energy OASIS site.

Effective Date:	Approved By:	Superseded Date:	Change History:
7/31/2018	Derek Brown	3/15/2018	Wolf Creek Voltage Limit Clarification
3/15/2018	Derek Brown	5/13/2016	Updated Wolf Creek Minimum Voltage requirement based on updated NPIRs
5/13/2016	Nathan McNeil	8/10/2015	Added voltage deviation statement
8/10/2015	Nathan McNeil	7/27/2015	Corrected Procedure 400 reference

7/27/2015	Nathan McNeil	11/6/2014	Updated normal and post-contingent language for consistency with Facility Connection Standard
11/6/2014	Mo Awad	3/22/2011	Bolded Subject line, changed font, replaced System Planning with Transmission Planning, added footer, added change history, and changed header