



Transmission System Plan 2025

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Appendix F

Electricity System & Market
Rules Compliance



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Western Power is required to publish a Transmission System Plan in accordance with the Electricity System and Market Rules (ESMR).

Electricity System & Market Rules compliance

Table 1 summarises Western Power’s self-assessment of Electricity System & Market Rules compliance.

Electricity System & Market Rules		TSP 2024	TSP 2025	TSP 2025 Comments	Other Modelling
4.5B.1	Publish TSP	●○○	●●○	Improved report and datasets	
4.5B.2	Publish annually – October	Oct 24	Jun 26	Final Report	
4.5B.3 a	10-year horizon	●○○	●●●	15+ year modelling horizon, 10 year reporting horizon	
b	PSS & PSR	●○○	●●●	As per 4.5B.5 a/b	
c	Consumer interest	●○○	●●●	Least cost optimisation modelling Hosting capacity assessment	
4.5B.4 a.i	Cost of binding constraints	○○○	●●●	Sum of shadow prices binding constraints as proxy for NAQ impact	
a.ii	Energy uplift payments	○○○	●●●	EUP forecast	
b	Options	●○○	●●●	Network CBAs, though limited non-network	
c	Option CBA	●○○	●●●	Counter-factual CBA	Reg Tests
d	Development pathway	●○○	●●○	Least cost optimisation modelling	WOSP
e	Customer interest	●○○	●●●	As per 4.5B.3 c	
4.5B.5 a	WEM technical standard	●○○	●●●	Co-optimised energy & ESS model (PLEXOS) Integrated with power system analysis (PF) High-level forecast of system strength	PSSR RCM
b	PSS & PSR	●○○	●●○		WOSP
c	Priority projects	●●●	●●●	SWIS Transmission Plan 2025 aligned	
d	NQRS	●●●	●●●		
e	WOSP policies	●●●	●●●	None available – TXIP CEL builds addressed in 4.5B.5.c	
f	Other information	●●●	●●●		
○○○ Not compliant		●○○ Compliant – Essential		●●○ Compliant – Good practice	●●● Compliant – Best practice

Table 1. Electricity System & Market Rules Compliance Summary

Electricity System & Market Rules			TSP 2024	TSP 2025	TSP 2025 Comments	Other Modelling
4.5B.6	a	Demand forecast	●○○	●●●	30-minute time-series per substation with demand breakdown	ESOO WOSP
	b	Customer projects	●○○	●●●	Committed and candidate projects	
	c	Network projects	●○○	●●●	Committed and candidate projects – CEL Program (4.5B.5.c)	
	d	Contingencies	●●●	●●●	N-1 credible contingencies	PSSR
	e	Dispatch scenarios	●○○	●●●	Added SCED model	PSSR
	f	WOSP inputs	●●●	●●●	None available – SERS aligned demand applied	SERS TXIP
	g	Inform PASA studies	○○○	●●○	Model inputs/outputs available for ES00	PSSR
	h	Other market info	○○○	●●●		
○○○ Not compliant			●○○ Compliant – Essential		●●○ Compliant – Good practice	●●● Compliant – Best practice

Table 1. Electricity System & Market Rules Compliance Summary (continued)

