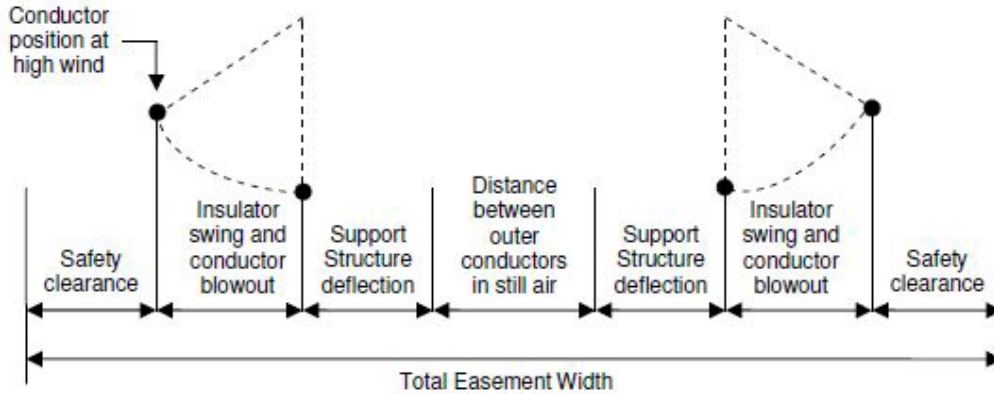


Appendix G

Typical easement widths and tower heights

The following information provides typical easement widths and tower heights for HVAC Transmission lines. This information is for reference only, and final easement widths and heights will be calculated in later design stages.

Easement and Clearing Requirements



Typical Easement Widths - HVAC and HVDC Lines:

Line Voltage (kV)	Easement Width Single Circuit (m)	Easement Width Dual Circuit (m)
132 kV AC	45	45
220 kV AC	50	50
330 kV AC	60	60
500 kV AC	60	70
760 kV AC	60	70
±300 kV DC	55 - 65	-
±500 kV DC	62 - 74	-
±600 kV DC	66 - 79	-
±800 kV DC	73 - 87	-

Typical Tower Heights - HVAC and HVDC

Line Voltage (kV)	Typical Tower Height (m)	
	Single Circuit	Double circuit
132 kV AC	32	45
220 kV AC	35	45
330 kV AC	38	50
500 kV AC	41	65
760 kV AC	46	
±300 kV DC	44	
±500 kV DC	51	
±600 kV DC	54	
±800 kV DC	62	

Note: where transmission lines traverse heavily wooded areas, minimum clearances above the tree canopy may require additional tower height combined with selective felling of tall trees above a maximum height, as a more acceptable alternative to 100% clearing of the easement.