

**Transport for NSW (TfNSW) Western Region General Requirements for Overhead
Power Lines
within the Classified Road Reserve**

- All line structures, including poles and bollards, within the road reserve are to be located well clear of the State Classified Road formation (outside of clear zone, as defined by current Transport for NSW Route Standards) and as close to the boundary fence as is practicable.
- A minimum distance of 10m or the clear zone width at that location (whichever is the greater of the two) is required between the edge of travel way and structure. Any new poles if unable to be located clear of this minimum distance should be located either above a cut batter or behind guard fence to ensure maximum motorist safety in the event of an errant vehicle. Otherwise if this is not practical a joint site meeting should be organised with a TfNSW representative (Area Maintenance Manager) to determine an alternative suitable location.
- Any vegetation clearing required (in rural areas) should be carried out in liaison with the relevant local Council and Rural Lands Protection Board (if applicable).
- Prior to commencement of construction works, the proponent is to contact TfNSW Field Traffic Operations on 1300 656 371 to determine if a Road Occupancy Licence (ROL) is required. In the event that an ROL is required, the proponent will obtain the ROL prior to works commencing.
- All new overhead lines that are to be erected and connected to Essential Energy's network shall have as a minimum requirement the clearances and spacing provided in publication AS/NZS7000, Essential Energy's Overhead Construction Manual documents CEOM7106.25, CEOM7106.26, CEOM7106.27 and Table 3.5.6.6.1 of this document.

Nominal System Voltage	Distance to Ground in Any Direction (m)		
	Over the Carriageway of Roads	Over Land Other than the Carriageway of Roads	Over Land Which Due to its Steepness or Swampiness is not Traversable by Vehicles
Bare low voltage (400/230 Volt) Mains	6.0	6.0	5.0
Insulated low voltage (400/230 Volt) Mains	6.0	6.0	5.0
Insulated conductor without earthed screen, bare conductor or covered conductor:			
11, 22 and 33kV	7.3	6.0	5.0
66 and 132kV	8.0	7.3	6.0

Table 3.5.6.6.1 – CEOM7097 Clearance from Ground for Overhead Lines other than Insulated Service Lines