

Sydney West

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TransGrid ID: 2020 / 488**Proposal: M12 Motorway – Amendment Report Exhibition**

Thank you for referring the M12 Motorway - Amendment Report Exhibition to TransGrid for review.

TransGrid operates and manages the high voltage electricity transmission network across New South Wales (NSW) and the Australian Capital Territory (ACT), with connections into Victoria and Queensland. These assets are owned by Electricity Transmission Ministerial Holding Corporation (ETMHC) and subject to a 99 year lease arrangement to TransGrid.

The proposed amendments do not appear to directly impact TransGrid's infrastructure however there are a number of transmission lines and easements which it intersects.

Existing Transmission Network Infrastructure

The existing transmission network include overhead and underground transmission lines and substations across Western Sydney, between voltages of 330kV – 500kV.

These provide the core 'highway' of electricity supplying Greater Sydney and Sydney CBD.

The proposed M12 Motorway affects the following:

Electrical Assets:

1. Single circuit 330kV transmission lines (Lines 14 & 30)
2. Double circuit 330kV transmission line (Lines 39)
3. Double circuit 500kV transmission line (Lines 5A1 and 5A2)

Property Assets:

Registered easements (with and without existing infrastructure)

Future Transmission Network Infrastructure

The electricity supply chain within NSW is currently undergoing rapid transformation towards a low-carbon future. The augmentation of the transmission network within Western Sydney is critical to the future supply of bulk electricity to Greater Sydney and Sydney CBD.

Future augmentations include:

- a) New 500kV substation ("South Creek") located to the north of this area at Orchard Hills
- b) New 500kV transmission line from south of Sydney into the new 500kV substation

- c) Potential easement widening, modifications and upgrades to the existing transmission potentially required on our double circuit 330kV transmission line (Line 39).

TransGrid would like to request continued consultation with RMS and would like to review further detailed designs when provided to ensure the safety and protection of all assets.

If you have any questions, please do not hesitate to contact TransGrid's Easements & Development Team at Easements&Development@transgrid.com.au.

Yours faithfully

Easements & Development Team
TransGrid