

# MANAGING PUBLIC SAFETY RISK

## Electricity Network Safety Management System

### FACT SHEET

TransGrid is committed to protecting the public, and people working near the network.

We manage this through implementing our Electricity Network Safety Management System, which is compliant with AS5577. This includes formally assessing risks to the public and implementing suitable controls to mitigate these.

This assessment also meets our regulatory requirements outlined in the:

- Electricity Supply (Safety and Network Management) Regulation 2014 (NSW)
- Utilities (Technical Regulation) Act 2014 Technical Code (ACT)
- Electricity Safety (Management) Regulations 2009 (Vic).

To achieve this objective, we adhere to the following principles:

### Public Safety Risk Assessment

We have carried out a Formal Safety Assessment specifically focused on public safety risk, as part of our Electricity Safety Management System. This assessment has identified foreseeable threats originating from our assets or activities, or originating from unauthorised public access to our assets, that can result in public safety injury or death. The assessment has identified specific controls, and we apply these to ensure the bush fire risk to TransGrid and the community is as low as reasonably practicable. We manage our activities in this area through our Public Electricity Safety Awareness Plan.

Our Public Safety Risk assessment is primarily focused on protecting the following groups.

At Risk Groups	Types of activities undertaken	
General public	<ul style="list-style-type: none"> <li>• Vehicle use</li> <li>• Property maintenance &amp; activities</li> </ul>	<ul style="list-style-type: none"> <li>• Vegetation management</li> <li>• Health and safety of community living around assets</li> </ul>
Agricultural Businesses / Rural Workers	<ul style="list-style-type: none"> <li>• High machinery for agricultural activities</li> </ul>	<ul style="list-style-type: none"> <li>• Farm work</li> <li>• Rural work</li> </ul>
Aviation, Waterway and Road Transport	<ul style="list-style-type: none"> <li>• Vehicles in vicinity of our assets</li> <li>• Recreational (kites, drones, hot-air balloon, boating/sailing)</li> </ul>	<ul style="list-style-type: none"> <li>• Agricultural applications</li> </ul>
Third Party Construction	<ul style="list-style-type: none"> <li>• Construction activities</li> <li>• Demolition activities</li> </ul>	<ul style="list-style-type: none"> <li>• Activities undertaken by third party asset workers</li> </ul>
Emergency Services & Public Authorities	<ul style="list-style-type: none"> <li>• Police</li> <li>• Fire and Rescue</li> </ul>	<ul style="list-style-type: none"> <li>• Rural Fire Services</li> <li>• Councils</li> </ul>

## Management of our Asset Life Cycle Activities

Designed Right	Built Right
<ul style="list-style-type: none"><li>• Appropriate physical security is provided on our assets such as palisade fencing and anti-climbers on towers</li><li>• CCTV is installed to allow monitoring of facilities</li><li>• Appropriate earthing is provided to minimise stray electrical currents</li><li>• Fault protection is installed to cut power supply when required</li><li>• Our Safety in Design processes review public safety risks in developing assets.</li></ul>	<ul style="list-style-type: none"><li>• Our project delivery manual ensures that appropriate risk assessment is performed for construction of assets</li><li>• A hazardous construction assessment (HAZCON) is performed to identify construction risks and appropriate controls</li><li>• Appropriate demarcation is provided at construction sites to prevent unauthorised access</li><li>• Public safety consultation is performed for disruptive construction activities.</li></ul>
Operated Right	Maintained Right
<ul style="list-style-type: none"><li>• Our operating procedures manage network operation in normal and abnormal situations</li><li>• In the event of an incident, our corporate and power system emergency response plans systematically manage the issue</li><li>• Ongoing stakeholder engagement maintains relationships with emergency service agencies, regulators and the community.</li></ul>	<ul style="list-style-type: none"><li>• Our maintenance plans ensure that our protections for public safety are maintained</li><li>• Our defect rectification processes ensure that any deficiencies are corrected with appropriate prioritisation.</li></ul>

For further details on our awareness and community engagement activities please visit the **Being Responsible** section of our website.

### How can you assist?

You can help to manage public safety by:

#### Reporting Issues

Whenever you see issues such as fallen powerlines, damaged power poles, vegetation and tree encroachment of powerlines, or apparently unauthorised activities near our assets, contact TransGrid on the contact number at the end of this fact sheet.

**Do not approach fallen powerlines high voltages can induce dangerous voltages many metres from the conductor.**

### Being powerline aware

- Do not operate any equipment that has potential to contact or get near powerlines without confirming with the operating utility. As far as practicable, avoid performing any works beneath or directly adjacent to powerlines
- Ensure you use the Dial Before You Dig service ([www.1100.com.au](http://www.1100.com.au)) before performing any excavation activities
- Refer to the 'Working near Power Lines' section of our website for advice on when to contact us if work activities are planned near our assets
- If in doubt on the hazards and dangers, call the general enquiry number below.