Farm Safety 2023

GLENRAC – Farm Safety Forum

14 September 2023

Presenter: Chris Trutwein, Senior Safety Specialist





Our Vision, Purpose and Values

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Our Vision

What we want to be

Empowering communities to share and use energy for a better tomorrow.

Our Purpose

What we stand for

To enable energy solutions that improve life.

Business Objectives

- Continuous improvements in safety culture and performance
- Operate at industry best practice for efficiency, delivering best value for customers
- Deliver real reductions in customers' distribution network charges
- Deliver a satisfactory Return on Capital Employed
- Reduce the environmental impact of Essential Energy where it is efficient to do so

Our Values

What we care about

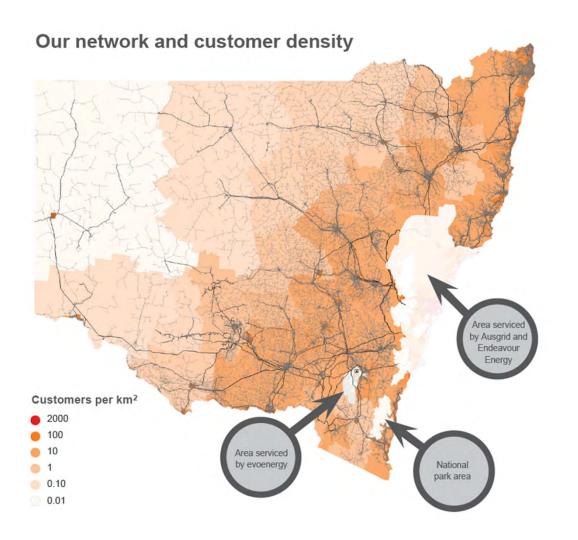




We manage a large and diverse network



Keeping our customers safe around the electricity network is a key business priority.







square kilometres of network covering 95% of New South Wales and parts of southern Queensland





customers to fund every 1km of overhead powerlines, compared to Ausgrid with 43.7 & Endeavour with 33.9



power poles - which equates to 1.6 power poles for every customer



zone substations and 139,303 distribution substations



Working near overhead powerlines can kill you



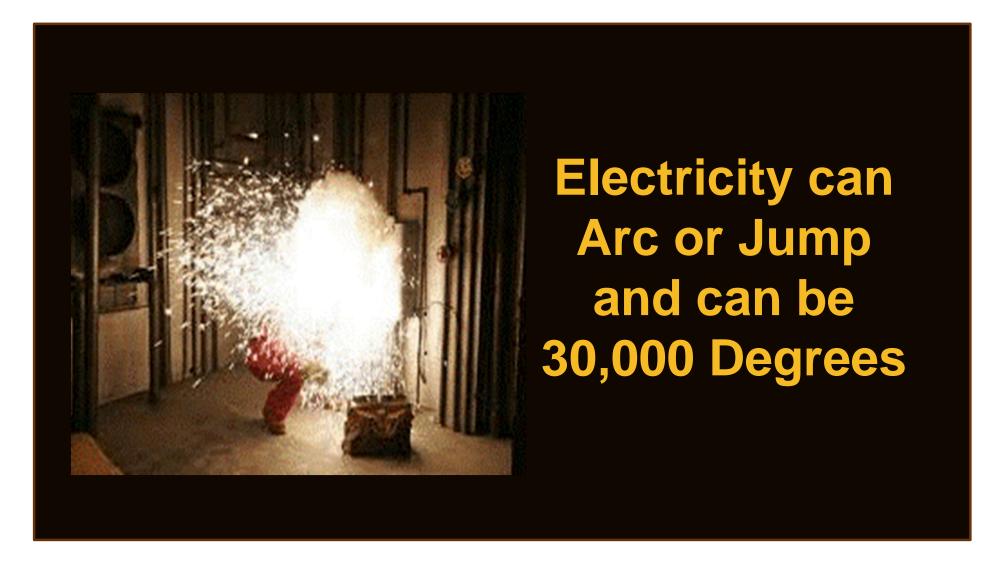










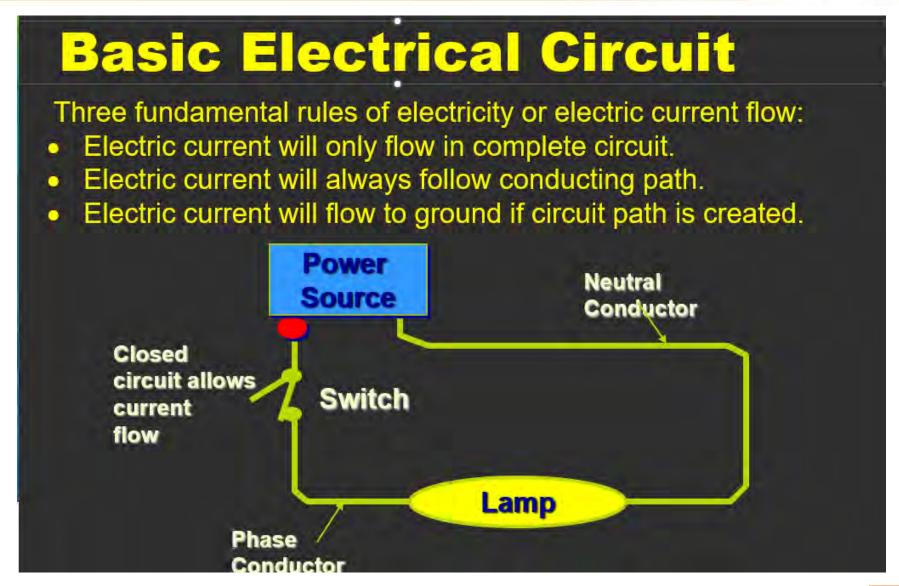








Potential Hazards





Safe approach distances working near powerlines

- If planning work encroaching on or within 3m of powerlines, you must consult with Essential Energy for advice and controls that ensure the work activity is completed safely.
- We provide a <u>free</u> obligation first site visit to discuss your proposed work.
- Before you get onsite, plan and check the location of powerlines with the Look up and Live app.



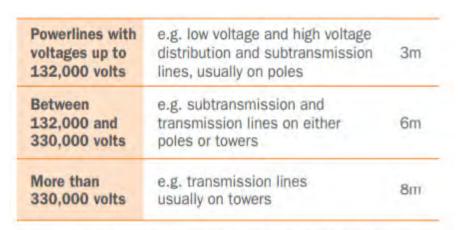
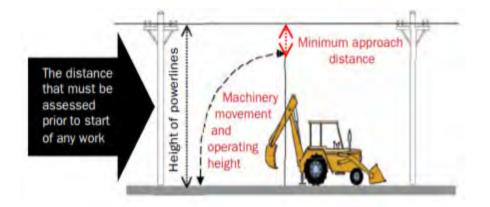


Table 3 - Safe approach distances when working near powerlines

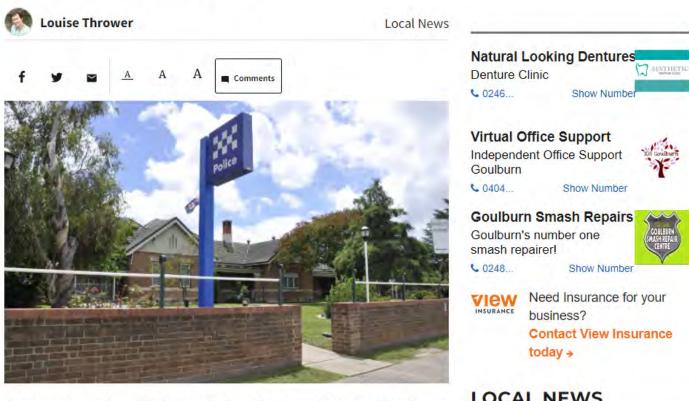




BA1

JANUARY 3 2022 - 12:00PM

Second man loses life after electrocution in Goulburn district



A second man has died after being electrocuted on a Goulburn district property on Christmas eve.



1 Salt sessions will bring many



Working near powerlines

Farming and transport activities around powerlines could expose us to the risk of electrocution







Work near overhead powerlines <u>must</u> be undertaken in accordance with *SafeWork NSW Code of Practice – Work Near Overhead Powerlines*.





Risk: Lack of Awareness of Equipment Dimensions





Risk: Poor powerline visibility



Powerlines can blend into the working environment. You **must know** the location of powerlines at you work site.



Risk: Lack of Awareness of Equipment Dimensions

In busy harvest and sowing seasons, distraction can be a factor in keeping safe.

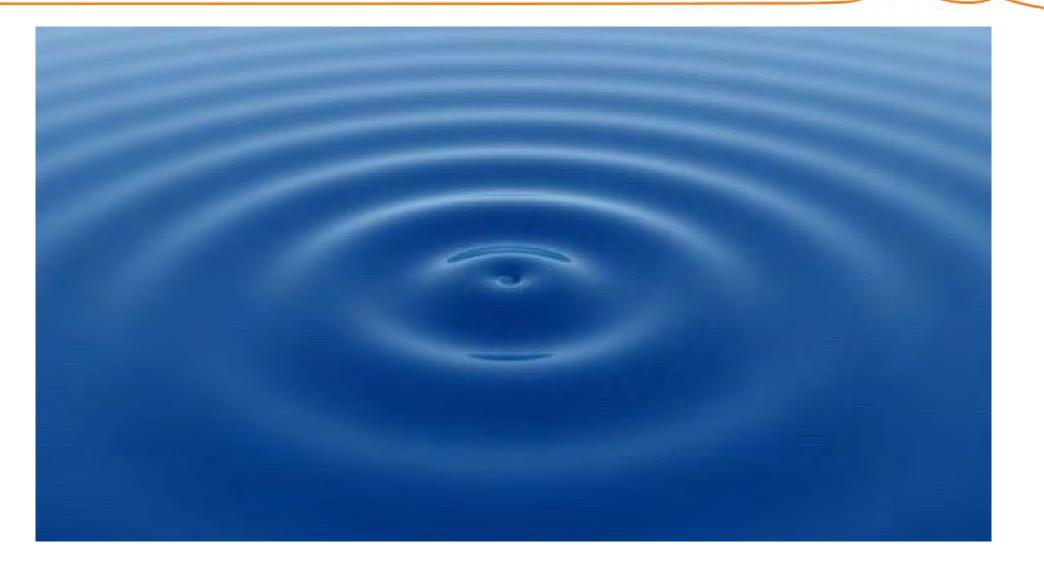
It is important to:

- Know the height of farm and transport machinery in raised and lowered positions and always fully lower machinery before moving off including tipper trucks and dog trailers.
- Be aware that weather conditions can affect the network including causing powerlines to sag in hot weather or sway in high winds.





Potential Hazards





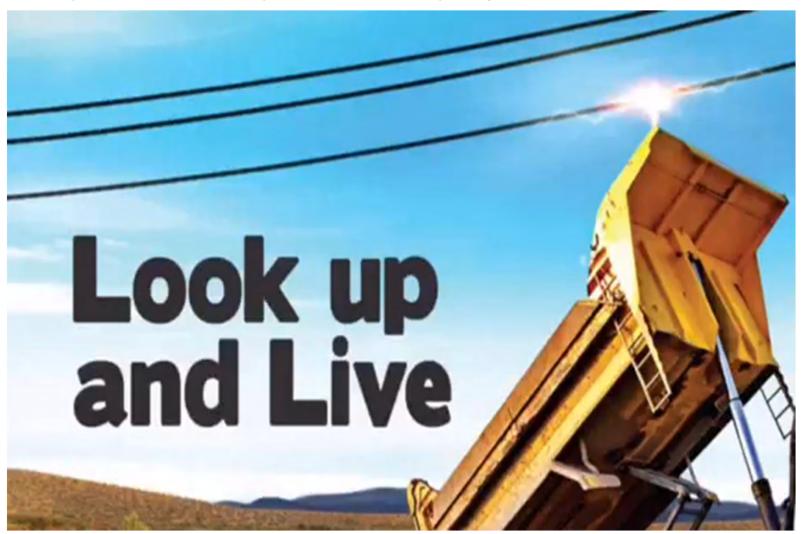
Step and touch potential





Working near powerlines

Farming and transport activities around powerlines could expose you to the risk of electrocution







Risk: Not Understanding Vehicle Exit Procedure



If a vehicle or machinery contacts the network, not understanding the correct exit procedure and precautions could result in injury or death.





Our Key Communications Initiatives



Encourage planning

Download the free 'Look Up and Live app'



Improve powerline visibility.

Encourage aerial markers & attend Field Days across NSW



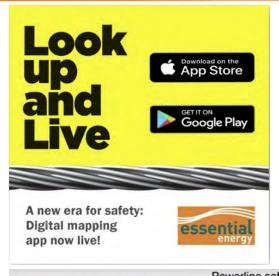
Improve recall of safety messages via paid campaigns



Look up and Live is a key safety message promoted in our campaigns to help customers to remember and to Look Up.

It's also a downloadable app that can assist farmers to safely plan their work around the network by providing:

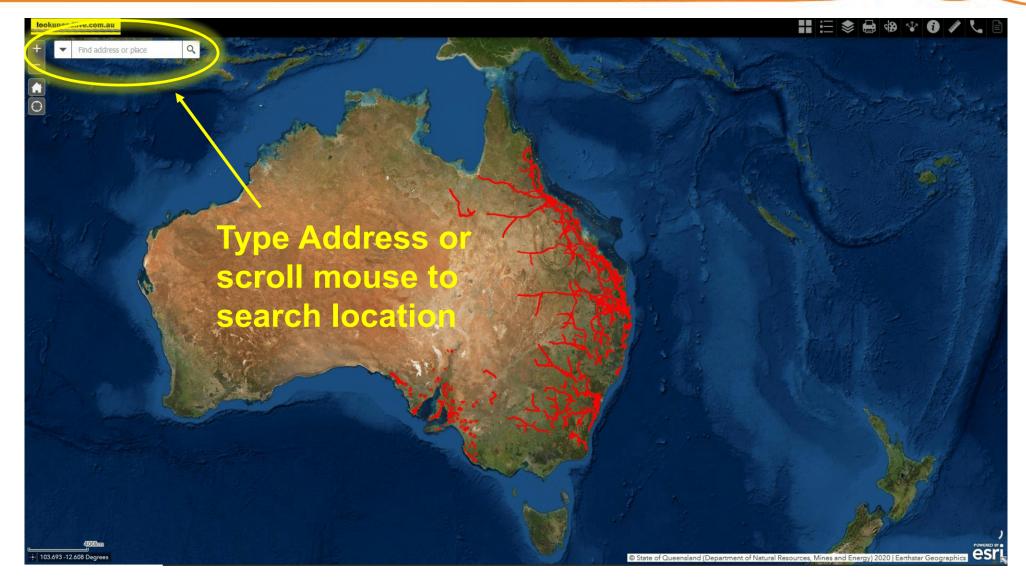
- Overhead powerline locations and imagery on interactive geospatial map
- Powerline safety guidelines, including powerline exclusion zones
- Options for planning or performing work e.g. powerline visual indicators
- Information on de-energisation or relocation of powerlines.



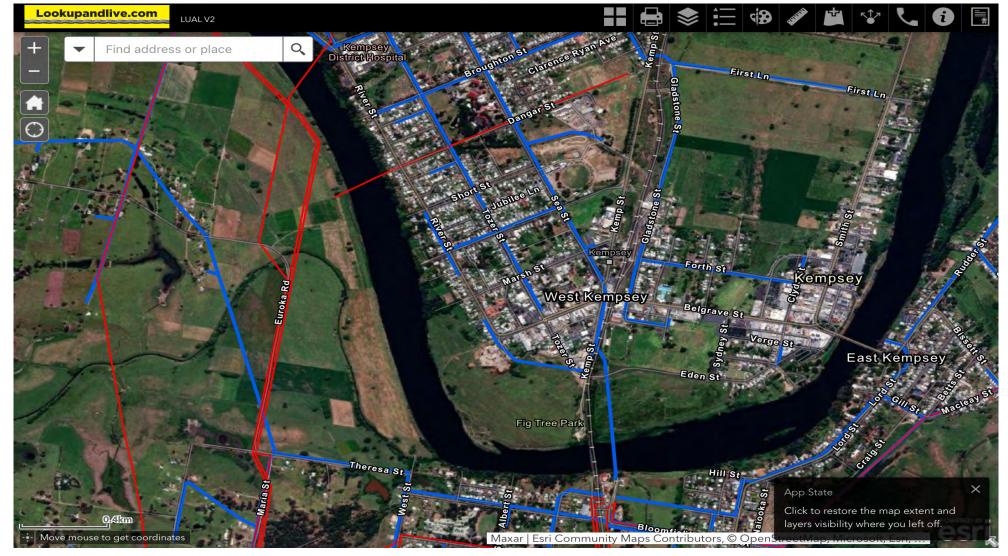








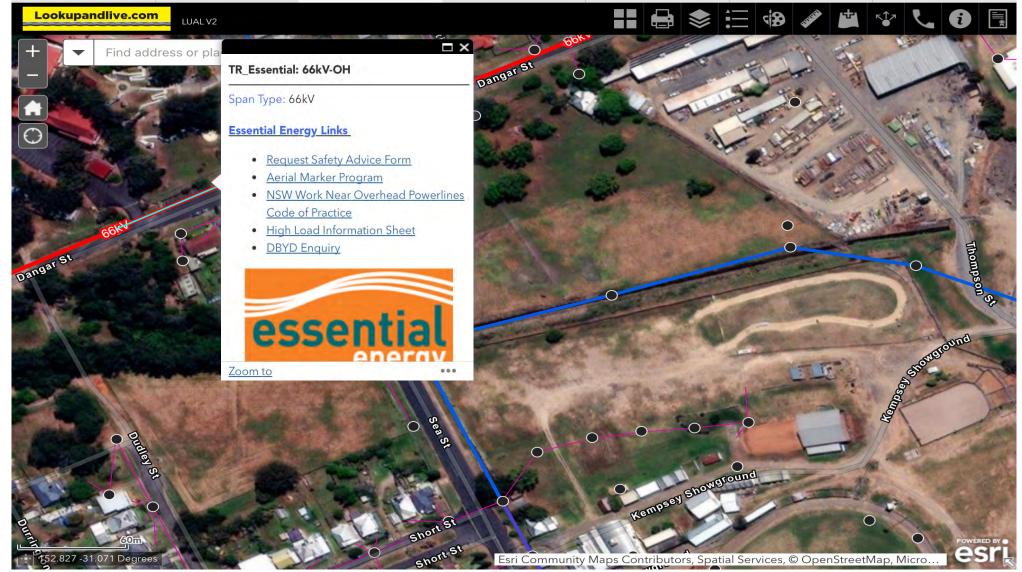














Aerial Markers







Aerial markers are a solution for improving powerline visibility

- Our aerial marker program offers free installation the only cost to farmers is the purchase of the markers (up to 10 markers at the property).
- Farmers may be eligible to claim up to \$1000 of the purchase cost of the powerline markers back via the SafeWork NSW small business rebate.
- Simply visit

essentialenergy.com.au/aerialmarkers

and request a free assessment and safety advice.





Aerial Markers initiative

- Essential Energy have changed the approach to the installation of aerial markers
- Aerial markers can be purchased through Essential Energy –charge for the cost of the aerial markers only – i.e., no labour/plant costs (excluding construction sites)
- When a third party comes in contact with our overhead network while operating machinery – an onsite assessment (flowchart) is utilised to determine if aerial markers will be fitted - to avoid further re-occurrence. Installation is charged to the parties responsible for the impact
- Partnered with SafeWork NSW to have the cost of aerial markers included in their Small business rebate.





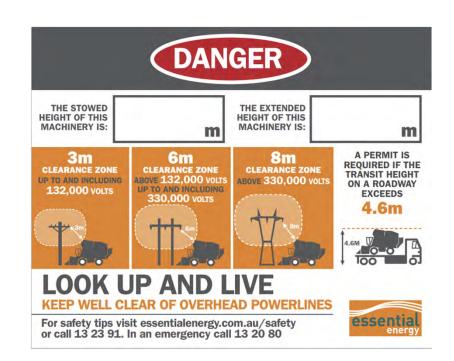
Additional Safety Resources

Essential Energy has a range of resources available to help keep you safe on the land.

- Safety fact sheets available for download from Essential Energy website
- FREE safety stickers and signage available for order on Essential Energy's website
- > To access, simply visit:

essentialenergy.com.au/safety

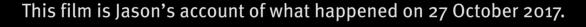
- Watch the training videos on the website or on Essential Energy's YouTube channel, and
- Ongoing safety campaigns.







The outcome of not seeing the power lines



WARNING
The following video contains graphic imagery.
Viewer discretion is advised.



Essential Energy

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