Wooreen Battery Energy Storage System

Electric Line Clearance Plan 2026-2027



EnergyAustralia

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Version	Date	Author	Reason
0	August 2026	Wooreen BESS Project Onsite Representative	Initial Issue
1	September 2026	Wooreen BESS Project Onsite Representative	ESV review recommendations

Amendments in this version: Version 1 — revised edition, incorporating ESV review recommendations.

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1. Glossary of Terms

Term	Definition
Conductor	The wire or cable that carries electric current along the overhead line
Electric Line Span	The section of the electric line between two adjacent supporting structures
Maximo	A computerised work management system that will be used for Wooreen BESS
Minimum Clearance Space	The space around an electric line span that must be kept clear of trees, as determined under Part 3 of the Electric Line Clearance Regulation
Overhead electrical line	A structure to transmit and distribute electricity above ground using suspended conductors supported by poles or towers
Responsible Person	A person referred to in section 84, 84C or 84D of the Electricity Safety Act 1998 who has clearance responsibilities for a tree in relation to an electric line
Sag	The vertical displacement of the conductor below the point at which it is attached to the supporting structure
Sway	The horizontal displacement of the conductor caused by wind
The Plan	The plan to satisfy the Electricity Safety (Electric Line Clearance) Regulations, this document
Transmission	The process of moving electricity from energy generating or storage facilities to substations over long distances using high-voltage lines to minimize energy loss

2. Acronyms

Acronym	Definition
ACSR	Aluminium Conductor Steel Reinforced (conductor type)
AMA	Asset Management Agreement
BESS	Battery Energy Storage System
CFA	Country Fire Authority
EA	EnergyAustralia
ESC	Essential Services Commission
ESI	Electricity Supply Industry
ESV	Energy Safe Victoria
HBRA	High Bushfire Risk Area
JLTS	Jeeralang Terminal Station
kV	Kilovolt (unit of measurement for voltage)
OHL	Overhead Line
WBESS	Wooreen Battery Energy Storage System (Note, that the abbreviation WESS is interchangeable with WBESS and is occasionally used in drawing references)
WOES	Site-specific asset naming code used for the WBESS to JLTS line

3. Purpose

The Wooreen Project Pty Ltd operates the Wooreen Battery Energy Storage System (WBESS) under an Electricity Generation and Sale License issued to Wooreen Project Pty Ltd by the Essential Services Commission (ESC) of Victoria on 23 February 2026. EnergyAustralia Portfolio Holdings Pty Ltd (EnergyAustralia)(EA) is a 50% owner of Wooreen Project Pty Ltd. EnergyAustralia will operate the Wooreen asset on behalf of Wooreen Project Pty Ltd under an Asset Management Agreement (AMA). Through the AMA, EnergyAustralia will be responsible for the management of the facility, including the overhead transmission line and corresponding easement.

As an owner or operator of a transmission line, Wooreen Project Pty Ltd must have an Electric Line Clearance Plan to manage trees and minimum clearance spaces around the transmission line in accordance with Electricity Safety (Electric Line Clearance) Regulations (Vic).

This Electricity Safety – Electric Line Clearance Plan (the Plan), amongst other systems of work, helps WBESS meet its specified obligations and ensures ongoing risk management and compliance with the requirements of relevant Victorian legislation related to the operations and maintenance of overhead electrical assets.

Namely, the relevant Regulations are the:

- Electricity Safety Act (Vic)
- Electricity Safety (Bushfire Mitigation) Regulations (Vic)
- Electricity Safety (Electric Line Clearance) Regulations (Vic)

4. Scope

This Plan defines WBESS's management responsibilities for its overhead electrical assets and any trees or vegetation in their proximity, as stated in the Reg. This Plan primarily applies to the 220 kV overhead electrical transmission line which runs from the WBESS site to the nearby Jeeralang Terminal Station (JLTS). This line is a total of approximately 600 m long and is made up of five spans of overhead conductor supported by four poles.

5. Responsibilities and authorities

5.1. WBESS Asset Manager

The WBESS Asset Manager shall ensure that:

- all operational personnel and contractors understand their responsibilities and comply with the Plan;
- the processes and procedures required to comply with the applicable Regulations are in place and followed;
- any vegetation pruning or removal is conducted in consultation with the EnergyAustralia's environmental management team;
- an audit process is in place to ensure that the requirements of the Plan and associated regulatory requirements are being met;
- a copy of the Plan is submitted to Energy Safe Victoria (ESV) which covers the required time period.
- the accepted Plan is made available on the WBESS website.

6. Prescribed particulars

6.1. Contact details of responsible person (regulation reference reg 9, paragraph 9(a))

Field	Detail
Name	Name provided
Position	Project Director Wooreen Project Pty Ltd
Email	wooreenplanner@energyaustralia.com.au

Address	697 Collins Street, Docklands, VIC 3008
Phone	03 8621 5603

6.2. Details of the person responsible for carrying out the Plan (regulation reference reg 9, para 9(b))

Field	Detail
Name	Name provided
Email	wooreenplanner@energyaustralia.com.au
Address	30 Bonds Lane, Hazelwood North, VIC 3840
Phone	03 8621 5603

6.3. Emergency contact (regulation reference reg 9, para 9(c))

Field	Detail
Email	wooreenemergencymanagement@energyaustralia.com.au
Phone / Emergency contact	Primary: 03 8621 5602 Escalation: 03 8621 5603

The above two phone numbers are monitored 24/7 and can be called in the case of an emergency.

Note, WBESS does not have a control room.

6.4. Objectives of the plan (regulation reference reg 9, para 9(d))

The objectives of the Plan are to:

- fully comply with the Electricity Safety (Electric Line Clearance) Regulations 2026 (Vic)
- reduce the risk of fire ignition, electric shock, and damage to overhead electrical assets arising from vegetation or other obstructions in proximity to overhead electric lines
- define the standards and practices to be adopted in tree cutting and removal in the vicinity of electric lines and the protection of the health of trees which require cutting
- ensure reliability of power supply
- ensure public and workplace safety
- maintain community satisfaction
- assess the performance of the plan and strive for continuous improvement
- ensure our responsibilities for maintaining native flora and fauna are met.

6.5. Land to which the Plan applies (regulation reference reg 9, para 9(e))

The Wooreen overhead line originates at the Wooreen BESS site, located at 30 Bonds Lane Hazelwood North, it then runs approximately 600 m to the nearby Jeeralang Terminal Station (JLTS), also located at 30 Bonds Lane, where it terminates and joins the network. Note, this Electric Line Clearance Plan applies to the land 20 meters horizontally either side of the 220 kV overhead line.

The land that the overhead line runs through is completely owned by the Wooreen Project / EA and is relatively flat farmland with minimal vegetation aside introduced pasture grasses.

A plan showing WBESS located to the south of the Latrobe City township of Morwell and a site locality map is shown at Appendix A.

A drawing of the WBESS site and the electrical line assets is shown at Appendix B, as well as the co-ordinates of the electrical line.

6.6. Hazardous and low bushfire risk areas (regulation reference reg 9, para 9(f))

The entire WBESS site and 220 kV transmission line is in an area declared by the County Fire Authority (CFA) as a High Bushfire Risk Area (HBRA).

6.7. Areas with trees which may need to be cut or removed (regulation reference reg 9, para 9(g))

There are currently no trees within the 20-meter horizontal area either side of the electric line which this plan applies to. Therefore, there are no current areas with trees that may need to be cut or removed to maintain compliance with the Electric Line Clearance Regulations.

WBESS has engaged an environmental consultant to provide an ecological assessment of the WBESS area, including the area the electric line runs (PA2201792 – Wooreen BESS Ecological Assessment Stamped). The assessment found the land the electrical line is on is "dominated by introduced pasture grasses and lack any significant ecological values".

Additionally, the horizontal and vertical clearance of the electric line has been certified as compliant to the Electric Line Clearance Regulations by a Registered Professional Engineer of Victoria, within the 220kV Overhead Line Longitudinal Section drawing (WESS-ZEN-40520-ETA010-0001-01).

6.7.1. Indigenous to Victoria

None, see above

6.7.2. Ecological, historical or aesthetic significance

None, see above

6.7.3. Cultural or environmental significance

None, see above

6.8. Means by which trees are identified as it relates to section 6.7 (regulation reference reg 9, para 9(h))

There are no trees in the land to which the management plan applies that are (i) indigenous to Victoria; or (ii) listed in a planning scheme to be of ecological, historical or aesthetic significance; or (iii) a tree of cultural or environmental significance.

If a tree is identified within the clearance area that needs to be cut or removed a suitably trained individual, with a qualification approved by ESV, will be engaged for the identification services.

6.9. Management procedures to ensure compliance with the Code (regulation reference reg 9, para 9(i))

6.9.1. Compliance for managing trees

To achieve ongoing tree management compliance, the vegetation around the line will be inspected, by a qualified person, on a 24-monthly basis prior to the start of the Fire Danger Period.

6.9.2. Determining and maintaining minimum clearance space

Part 3, division one of the Electric Line Clearance Regulation states that, for a transmission line, the applicable minimum horizontal and vertical clearance is the sum of the distances specified in the table provided in clause 30 of section one of the Regulation, and conductor sag/sway. Given the overhead transmission line is nominally 220kV, the

horizontal distance specified is 4,600 mm and the vertical distance specified is 3,700 mm (this is without sag or swag allowance).

The potential sag of each section of line for temperatures between 5°C and 45°C has been determined and signed by a Registered Victorian Engineer, this is detailed in the site "220kV overhead Line - Sag chart & Phasing" document (WESS-ZEN-40520-ETA010-0016-01). The maximum sag on the overhead line is 9,270 mm which occurs at 45°C on phase C from Pole 1 to Pole 2 which has a span of 162.2 m.

For the sake of defining the minimum clearance area, sway will be considered equal to sag, and the maximum sag will be considered for the entire overhead line. This is a deliberately conservative approach to maximise the required clearance space.

The minimum clearance space for the entire overhead line is the sum of the specified distance and the sag/sway and is shown below.

Table 1: Minimum clearance space

Specified horizontal distance without sway	Maximum sway	Applicable horizontal distance with sway	Specified vertical distance without sag	Maximum sag	Applicable vertical distance with sag
4,600 mm	9,270 mm	**13,870 mm**	3,700 mm	9,270 mm	**12,970 mm**

Currently there are no trees or vegetation within the minimum horizontal or vertical clearance space at any section of the overhead electrical line. The minimum clearance space will be maintained going forward through routine inspection and if any tree or other vegetation is identified as impinging the minimum clearance space as given above, the vegetation will be partially or completely removed subject to approval from the Asset Manager. The complete or partial removal of any vegetation shall be performed by suitably qualified contractors engaged by the Asset Manager.

6.10. Procedures to be adopted if not practical to comply with AS 4373 while cutting trees (regulation reference reg 9, para 9(j))

There are no trees in the land to which the management plan applies that while cutting it would not be practicable to comply with the requirements of AS 4373.

6.11. Alternative compliance mechanism in respect of which the responsible person has applied, or proposes to apply, for approval under clause 31 of the code (regulation reference reg 9, para 9(k))

WBESS has not applied for, and does not intend to apply for, any alternative compliance mechanism under clause 31 of the Electric Line Clearance Regulation.

6.12. Details of each approval for an alternative compliance mechanism (regulation reference reg 9, para 9(l))

Not applicable.

6.13. Details of each trail approval held (regulation reference reg 9, para 9(m))

Not applicable.

6.14. A description of the key performance indicators to be used to assess the responsible person's compliance with the Code (regulation reference reg 9, para 9(n))

Biannually, the WBESS Asset Manager monitors the completion of the transmission line assessments and any necessary clearance activities within the designated computerised work management system (Maximo). Non-conformances are recorded and reviewed by the Asset Manager for rectification.

The Electricity Safety (Electric Line Clearance) Plan will be reviewed by the Asset Manager. The plan will be updated to reflect any changes in the regulations and any continuous improvement opportunities as part of this review.

The Key Performance Indicators (KPIs) that will be tracked to access compliance with the Code are:

- Number of electrical events/faults that have occurred on the relevant overhead assets with the cause identified to be directly related to the Electric Line asset condition and/or compliance with the Regulations.
- Number of fire starts.
- Completion of 24-monthly vegetation inspections.

6.15. Details of the processes used to determine the Responsible Person's performance in relation to the key performance indicators (regulation reference reg 9, para 9(o))

The Responsible Persons compliance with the Code will be internally audited.

The Wooreen Asset Manager will be responsible for auditing the responsible persons performance in relation to the KPIs. There will be a dedicated task in Maximo for auditing the performance of the Responsible Person.

6.16. Qualifications and experience that the responsible person must require of the persons who are to carry out the inspection, cutting or removal of trees (regulation reference reg 9, para 9(p))

All persons carrying out the inspection, cutting or removal of trees shall have a Certificate II in ESI -Powerline Vegetation Control or equivalent competency.

6.17. Notification and consultation procedures regarding Division 3 Part 2 of the Code (regulation reference reg 9, para 9(q))

As noted previously, there are no trees located within 20 horizontal metres of the outermost conductors. Consequently, there are no trees within the electrical easement. The nearest trees are located south of the transmission line and are entirely within land owned by the Wooreen Project.

There are no trees:

- within the boundary of privately owned property;
- on land managed by a local council; or
- on land contiguous with private property where the use of that property may be affected by tree pruning or removal.

Therefore, there is currently no requirement to undertake notification or consultation in relation to vegetation clearance activities.

6.18. Procedure for the independent resolution of disputes relating to electric line clearance (regulation reference reg 9, para 9(r))

As there is no notification or consultation required for any tree cutting or removal as described in the above section, a dispute resolution procedure is not necessary.

In the unlikely event a dispute does occur relating to electric line clearance, WBESS will attempt to resolve the dispute through negotiation. If this is not possible, WBESS will seek to engage an independent third-party arbitrator to resolve the dispute, with costs shared between the parties.

6.19. If Energy Safe Victoria has granted an exemption under regulation 11 relating to a requirement of the Code, details of the exemption or a copy of the exemption (regulation reference reg 9, para 9(s))

ESV has not granted WBESS an exemption relating to any requirement of the code.

7. Accessibility of Documents

An electronic copy of this Plan is made available on the EnergyAustralia BESS website at https://www.energyaustralia.com.au/about-us/what-we-do/new-energy-projects/wooreen-energy-storage-system.

8. References

Document Number	Description	Revision	Date	Purpose of document
PA2201792 – Wooreen BESS Ecological Assessment Stamped	Ecology Assessment	3.0	01/08/2022	Referenced for information only
WESS-ZEN-40520-ETA010-0016-01	220KV OVERHEAD LINE - SAG CHART & PHASING	0	05/11/2025	Referenced for information only
WESS-ZEN-40520-ETA010-0001-01	220kV Overhead Line Longitudinal Section	1	05/08/2026	Referenced for information only

Appendix A — Wooreen BESS Locality Map

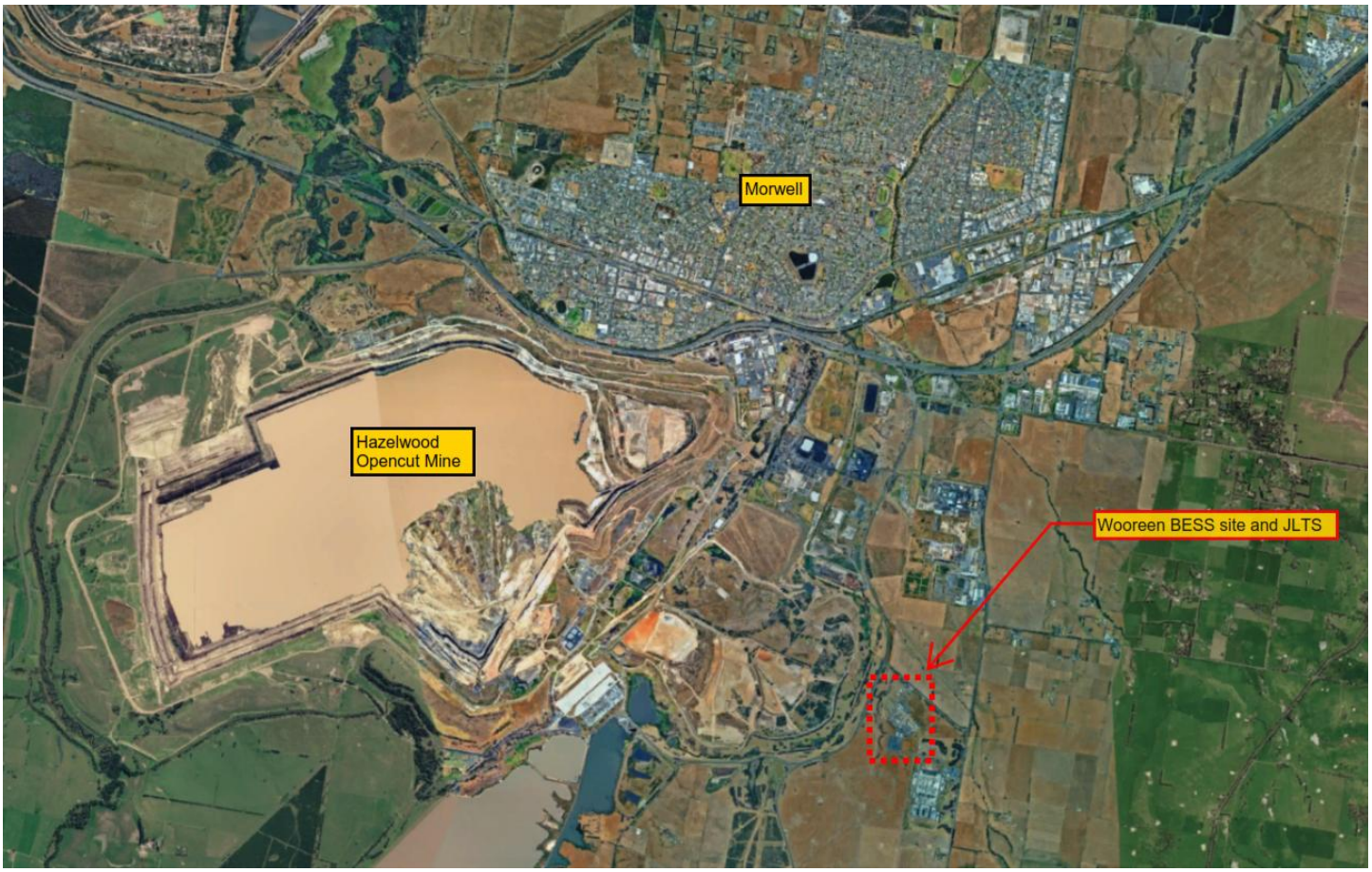


Figure 1: WBESS Locality

Appendix B — Wooreen BESS Transmission Line Assets

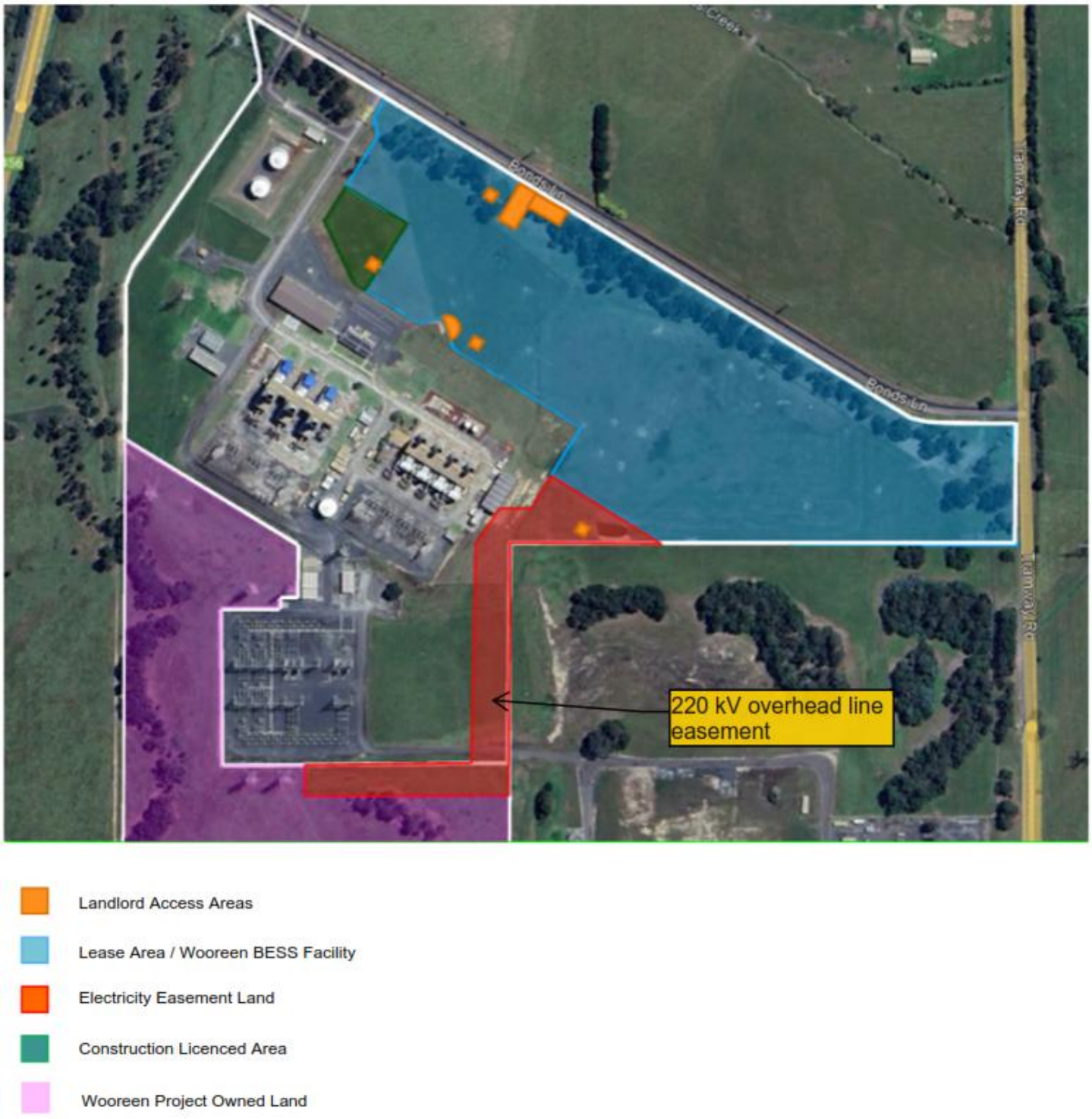


Figure 2: Wooreen BESS OHL site plan

Register of WBESS Electrical Lines by Line Nomenclature

Line Nomenclature	Line Voltage	Concrete Poles	Wood Poles	Steel Monopole (31m+)	Line Length (m)	Year of Construction
WOES Line	220 kV	0	0	4	600	2026

Register of WBESS Electrical Lines by Structure

Structure From	Structure To	Phases	Span Length (m)	Conductor
WOES Gantry	JLTS – WOES 4	3	57.4	TWIN 54/73.00 ACSR/GZ MANGO
JLTS – WOES 4	JLTS – WOES 3	3	84.8	TWIN 54/73.00 ACSR/GZ MANGO
JLTS – WOES 3	JLTS – WOES 2	3	219.4	TWIN 54/73.00 ACSR/GZ MANGO
JLTS – WOES 2	JLTS – WOES 1	3	162.5	TWIN 54/73.00 ACSR/GZ MANGO
JLTS – WOES 1	JLTS-220 kV Switchyard	3	66.1	TWIN 54/73.00 ACSR/GZ MANGO

Register of WBESS Electrical Line Poles

Pole Name	Co-ordinates
JLTS – WOES 001	-38.277691, 146.424624
JLTS – WOES 002	-38.277912, 146.426459
JLTS – WOES 003	-38.275954, 146.426810
JLTS – WOES 004	-38.275968, 146.427779

EnergyAustralia Pty Ltd ABN 99 086 014 968.
Locked Bag 14060, Melbourne, Vic. 8001

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