

Document No	27579178
Procedure	AGL Loy Yang Electrical Line Clearance Management Plan
Revision	See Footer
Site	Loy Yang

Document Approval

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Stakeholder	Position	Consulted Date
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1. Objectives

This plan has been prepared to comply with the requirements of the Electricity Safety (Electricity Line Clearance) Interim Regulations 2025.

The following objectives are identified as key objectives of this plan in fulfilling AGL Loy Yang duties as specified in the Electricity Safety (Electricity Line Clearance) Interim Regulations 2025.

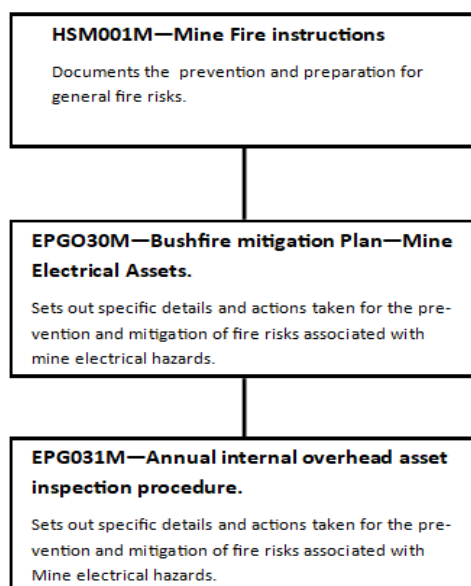
- Public Safety
- Ensure full compliance by AGL Loy Yang with the Electricity Safety Act 1998 and the Electricity Safety (Electric Line Clearance) Interim Regulations 2025
- Minimise the risk of fire starts due to line vegetation clearance issues on AGL Loy Yang assets
- To minimise the risk of vegetation related electricity supply disruptions
- Provision of a safe workplace for employees and contractors; and

Commitment to these objectives is provided through:

- Annual inspection of all vegetation in the vicinity of electric lines that are the responsibility of AGL Loy Yang
- Annual tree maintenance to ensure trees are managed and access to lines for maintenance and inspection purposes.

2. Purpose and Structure

This document is a subordinate of [HSM001M – Mine Fire Instructions](#).



This document has been specifically created to address the requirements of the Electric Safety (Electricity Line Clearance) Interim Regulations 2025.

3. Regulation Compliance

This following is a summary as per Regulation of the Electricity Safety (Electric Line Clearance) Interim Regulations 2025, Part 2 Prescribed Code of Practice and related provisions, Regulation 9 Preparation and submission of management plans.

Reg 9	Requirement	Reference
(4)(a)	the name, address and telephone number of the specified operator;	Responsibilities (Section 4)
(4)(b)	the name, position, address and telephone number of the person who was responsible for the preparation of the plan;	Responsibilities (Section 4)
(4)(c)	the name, position, address and telephone number of the persons who are responsible for carrying out the plan;	Responsibilities (Section 4)
(4)(d)	the telephone number of a person who can be contacted in an emergency that requires clearance of a tree from an electric line that the responsible person is required to keep clear of trees.	Responsibilities (Section 4)
(4)(e)	the objectives of the management plan	Objectives (Section 1)
(4)(f)	the land to which the management applies (as indicated on a map)	Appendices (Section 14). This management plan applies to the area of land covered by Drawing LV43/07-01/001
(4)(g)	any hazardous bushfire risk areas and low bushfire risk areas in the land referred to in paragraph (f) (as indicated on a map)	Appendices (Section 14) Drawing No. LV43/07-01/001 (Assets owned by others are not part of this plan) All overhead lines identified in blue are in a hazardous bushfire risk area and are identified as at-risk electric lines.
(4)(h)	each area that contains a tree that the responsible person may need to cut or remove to ensure compliance with the code and that is (i) Indigenous to Victoria; or (ii) Listed in a planning scheme to be of ecological, historical or aesthetic significance; or	Referenced Documents (Section 13)

	(iii) A tree of cultural or environmental significance.	
(4)(i)	the means which the responsible person will use to identify a tree of a kind specified in paragraph (h)(i), (ii) or (iii);	Referenced Documents (Section 13)
(4)(j)	the management procedures that the responsible person will adopt to ensure compliance with the code, Which – (i) Must include details of the methods to be adopted for managing trees and maintaining a minimum clearance space as require by the code; and (ii) For the purposes of determining a minimum clearance space in accordance with division 1 of part 3 of the code (A) Must specify the method for determining an additional distance that allows for conductor sag and sway; and (B) May provide for different additional distances to be determined for different parts of an electric line span.	Management Procedures (Section 5)
(4)(k)	the procedures to be adopted if it is not practicable to comply with the requirements of AS4373 while cutting a tree in accordance with the code	Referenced Documents (Section 13)
(4)(l)	a description of each alternative compliance mechanism in respect of which the responsible person has applied, or proposes to apply, for approval under clause 31 of the code;	There is no plan to apply for an alternate compliance mechanism.
(4)(m)	the details for each approval for an alternative compliance mechanism that – (i) The responsible person holds (ii) Is in effect;	This clause is not applicable to AGL Loy Yang currently.
(4)(n)	a description of the measures that must be used to assess the performance of the responsible persons compliance with the code;	Adherence to code compliance will be performed during the Annual Internal Overhead Asset Inspection Procedure
(4)(o)	details of the audit process that must be used to determine the responsible persons compliance with the code	Monitoring, Auditing and Reviewing (Section 8)

(4)(p)	the qualifications and experience that the responsible person must require of the persons who are to carry out the inspection cutting or removal of trees in accordance with the code and the electricity safety (general) regulations 2019	Qualification and Experience Requirements (Section 12)
(4)(q)	notification and consultation procedures including the form of notice to be given in accordance with division 3 part 2 of the code;	AGL will provide a copy of the Electric Line Clearance Management Plan to Energy Safe Victoria for approval as required by the Act. A copy of the AGL Electric Line Clearance Management Plan is made available for public inspection on the AGL website www.AGL.com.au
(4)(r)	a procedure for the independent resolution of disputes relating to electric line clearance;	AGL has a dispute resolution policy in place. As all the overhead lines are confined to the Loy Yang site, this is not required for line clearance activities.
(4)(s)	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	AGL has no exemptions

4. Responsibilities

Responsibility	Specified Operator
Name	AGL Loy Yang Mine
Address	Bartons Lane, Traralgon South, Victoria, 3844
Email Address	loyyang@agl.com.au
Phone Number	(03) 5173 2000
Responsibility	Preparation
Name	Zander Steyn
Position	Electrical Asset Engineer - Mine
Address	AGL Loy Yang Mine, Bartons Lane, Traralgon South, Victoria, 3844
Email Address	zsteyn2@agl.com.au
Phone Number	0498252341
Responsibility	Carrying out of the plan
Name	Michael Allgood
Position	Mine Electrical Coordinator
Address	AGL Loy Yang Mine, Bartons Lane, Traralgon South, Victoria, 3844
Email Address	mallgood@agl.com.au
Phone Number	0409558832
Responsibility	24/7 Emergency Contact (Electrical Fire Emergency)
Phone Numbers	Mine Control Centre (03) 51733117 or (03) 51733119

The contacts identified are in relation to a fire emergency associated with electrical assets. For general fire matters reference should be made to HSM0001C – Emergency Management Plan.

5. Management Procedures

Any tree that is within the prescribed distances of the below regulation to an overhead line is deemed to need work. In consultation with the site environment and land officer the decision is made as to whether the tree is to be trimmed or removed.

In accordance with Regulation, **28 Uninsulated low voltage and high voltage electric lines (other than a 66 000 volt electric line) in a hazardous bushfire risk area** our applicable distances are determined.

- The *applicable distance* for the first and last sixths of the span is 1500 millimetres.
- The *applicable distance* for the middle two thirds of the span is-
 1. If the span distance is less than or equal to 45 metres – 1500 millimetres; or
 2. If the span distance is greater than 45 metres and less than or equal to 500 metres- the distance calculated in accordance with the following expression –

$$1500 + ((SD - 45) \times (500 \div 303))$$

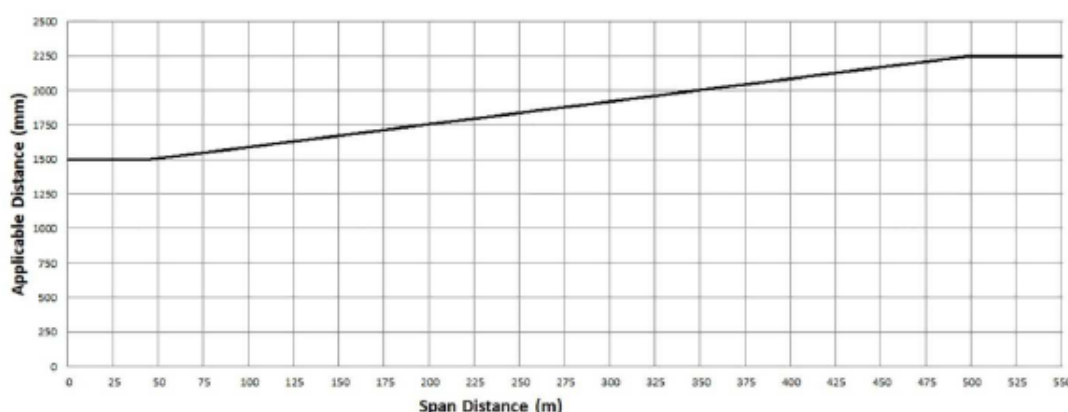
Where SD is the span distance; or

3. If the span distance is greater than 500 metres – 2250 millimetres

These minimum clearances are shown in graph 5 below.

GRAPH 5—UNINSULATED LOW VOLTAGE AND HIGH VOLTAGE ELECTRIC LINE (OTHER THAN A 66 000 VOLT ELECTRIC LINE) IN HAZARDOUS BUSHFIRE RISK AREA

Clauses 3 and 28



An annual inspection of the 22kV overhead line network area is to be conducted by a suitably qualified auditor.

This inspection will focus on all aspects of tree care, particularly identifying the trees expected to breach the minimum code clearance required over the next twelve months. Upon completion of the annual inspection the auditor will present a report clearly outlining the projected actions in relation to statutory tree clearing and asset maintenance conditions to AGL responsible officer who will



then undertake checks to ensure data integrity. The report will include tree location, species, voltage of powerlines, asset status/condition, removal and pruning requirements and any special comments about the vegetation itself. If immediate/emergency pruning is necessary, the AGL responsible officer will arrange works to commence as soon possible. AGL observes a routine cycle between each pruning and clearing of trees of 12 months planned to commence to allow tree maintenance to be completed prior to the bushfire season.

6. List of Works

The following works are undertaken as part of minimising the risk associated with electrical assets:

Activity	Details	Due Date
Overhead Line clearance inspections (External audit)	The entire overhead line network is audited each year by an external auditor with a report provided.	Prior to the start of fire season each year.
Tree trimming and works as recommended by the external audit report	External tree contractors are engaged to conduct any required works detailed by the external audit report.	Prior to the start of fire season each year.

There are additional works completed as part of the general fire mitigation strategies such as slashing and site clean-up, the details of these activities can be found in HSM001M – Mine Fire Instructions.

7. Investigations

All fires initiated by electrical apparatus at AGL Loy Yang mine will be investigated to minimise and eliminate the risks associated with bushfire. All investigations will be in accordance with AGL Loy Yang Mine procedures and will be reported to Energy Safe Victoria in accordance with the requirements of the AGL Loy Yang Mine Electricity Safety Management Scheme.

8. Monitoring, Auditing & Reviewing

This electrical line clearance management plan is a controlled document and is automatically sent to all relevant parties for review on an annual basis. This review is conducted prior to the commencement of fire season and is completed during the annual overhead line clearance inspections. Monitoring and auditing of the plan, inspections and maintenance strategies is completed at this time and any updates to this document or other relevant procedures is completed at this time.

9. Plan Access & Inspection

This electrical line clearance management plan will, on acceptance, be made available via the AGL Enterprise Library (AEL) and the AGL website www.agl.com.au.

10. Details / Description of assets

AGL Loy Yang overhead lines surround the Mine and overburden dump. All overhead lines are 22kV with the longest feeder being 10.5 Km in length.

The overhead line network at AGL Loy Yang passes through areas of trees with the network consisting of standard overhead poles and 3 phase lines with uninsulated aluminium conductors,

all feeders are supplied from an onsite terminal station with the electrical protection and control not consisting of any reclosers or automatic restoration devices.

11. Site Details

Address:

AGL Loy Yang Mine

Bartons Lane

Traralgon 3844

The document will be available on the site intranet (AEL) via document ELCMP.

12. Qualifications and Experience Requirements

Arboriculture Inspector:

- Minimum Certificate Level III Horticulture (Arboriculture), including “assess” and “identify” modules
- 3 years industry experience

Arborist:

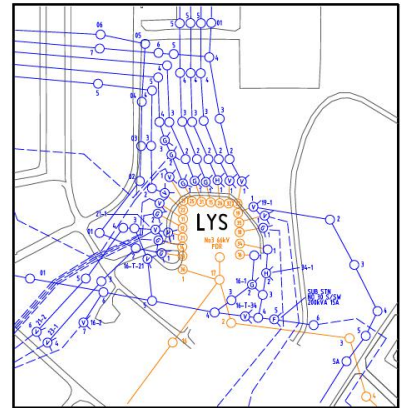
- Minimum Certificate Level III Horticulture (Arboriculture), Certificate II in ESI – Power line Vegetation Control
- 3 years industry experience that demonstrates understanding of AS 4373

The identification of the qualifications and experience will be reviewed upon engagement of the contractors to ensure competency requirements are met.

13. Referenced Documents

- AGL Loy Yang – Loy Yang Mine Site – Vegetation Management Manual
- AGL Loy Yang – Cultural Heritage Management Plan Coverage
- HSM0001C – Emergency Management Plan
- HSM001M – Mine Fire Instructions
- EPG031M Annual Internal Overhead Asset Inspection Procedure

14. Appendices



AGL - LOY YANG MINE
AUSNET SERVICES
AGL - A STATION
ALINTA - B STATION

 VERTICAL SWITCH
 HORIZONTAL SWITCH
 POLE MOUNTED FUSED SWITCH
 SF₆ GAS SWITCH

} SYMBOL INCLUDES POLE

 POLE MOUNTED SUB STATION
 KIOSK SUB STATION
 ORDINARY POLE

 AERIAL CONDUCTOR
 CABLE

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