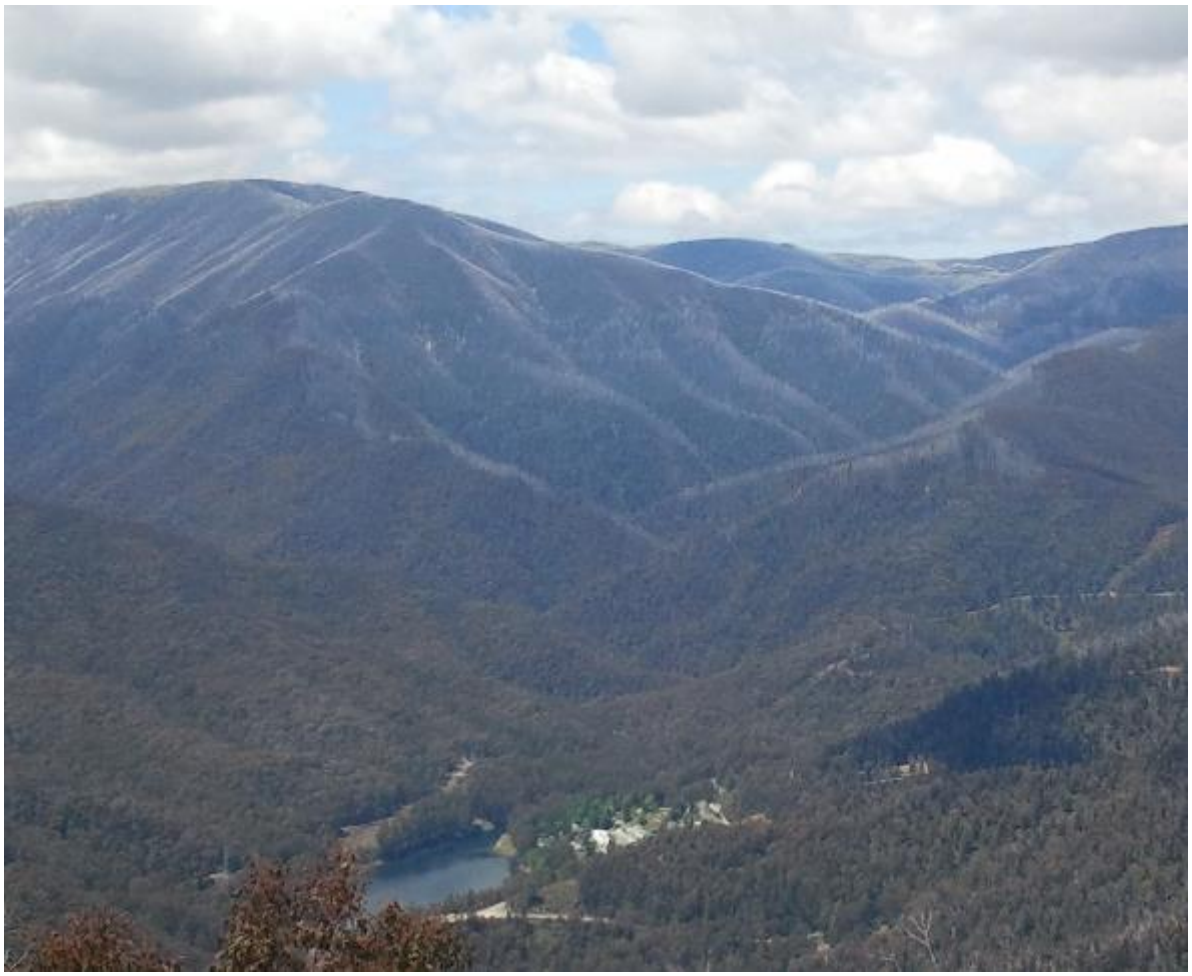
AGL Hydro

Electric Line Clearance Management Plan 2021-2022



Hydro DMS: ML AL FI 00 (Rev 7.1)

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Plan Revision History

Date	Version	Author	Comment	Sections
1.0	14 Feb 2007	J. Haskell	Original	All
1.1	9 Jan 2008	J. Haskell	Addition of COP extract	New
1.2	30 Oct 2008	J. Haskell	Australian Standard References	All
1.3	10 Jan 2010	J. Haskell	Insertion of CCPS	Appendix
1.4	20 Jul 2010	S. Pierce	Re-index to new Regulations	All
1.5	Feb 2011	P. Billsdon	Index and Formatting Title Updates	All
1.6	Feb 2012	P. Billsdon	Blue Book Aborist qualifications Record Retention Tree assessment	Auditing Responsible Cutting Practices
1.7	July 2013	P. Billsdon	Native Trees Audit Results	Responsible Cutting Practices Auditing
1.8	Oct 2016	S. Cariss	Organisational Changes	All
2.0	Dec 2016	S. Cariss	Document format change Changes in response to ESV evaluation	All
3.0	01 Aug 2017	S. Cariss	BMP Working Group Review	All
4.0	01 Aug 2018	S. Cariss	BMP Working Group Review	All
5.0	27 Jun 2019	C. Perso	Annual AGL Hydro review	All
6.0	9 July 2020	S. Cariss	Annual AGL Hydro review Alignment with new *Electricity Safety (Electric Line Clearance) Regulations 2020*	All
7.0	1 March 2021	S. Cariss	Annual AGL Hydro review Alignment with new *Electricity Safety (Electric Line Clearance) Regulations 2020*	All
7.1	18 June 2021	S. Cariss	Changes to resolve major non-conformance and RFIs outlined in the ESV Systems Audit.	All

Distribution

Copy	Position
1	AGL Hydro Reception
Electronic File	Energy Safe Victoria
Electronic File	Head of Hydro
Electronic File	Operations Manager
Electronic File	Team Leader - Eildon
Electronic File	Team Leader - Outlying Works
Electronic File	HSE Business Partner
Electronic File	AGL Web Site
Electronic File	AGL Hydro Document Management System

1. Regulation Compliance Summary

Reg 9	Requirement	Reference in this Plan
(1)	This regulation does not apply to a responsible person referred to in section 84A or 84B of the Act.	N/A
(2)	Before 31 March in each year, a responsible person must ensure that a management plan relating to compliance with the Code for the next financial year is prepared.	Electric Line Clearance Plan Objectives (Section 4)
(3)	A responsible person must ensure that a management plan prepared under sub-regulation (2) specifies the following	This document
(4)(a)	the name, position, address and telephone number of the responsible person;	Responsible Persons (Section 2)
(4)(b)	the name, position, address and telephone number of the individual who is responsible for the preparation of the management plan;	Responsible Persons (Section 2)
(4)(c)	the name, position, address and telephone number of the person who is responsible for carrying out the management plan;	Responsible Persons (Section 2)
(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;	Responsible Persons (Section 2)
(4)(e)	the objectives of the management plan;	Electric Line Clearance Plan Objectives (Section 4)
(4)(f)	the land to which the management plan applies (as indicated on a map);	Geographic Coverage (Section 5.1)
(4)(g)	any hazardous bushfire risk areas and low bushfire risk areas in the land referred to in paragraph (f) (as indicated on the map);	Geographic Coverage (Section 5.1)
(4)(h)	each area that the responsible person knows 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 (iii) a tree of cultural or environmental significance.	Vegetation Coverage (Section 5.2) (i) Section 5.2.1 (ii) Section 5.2.2 (iii) Section 5.2.3

Reg 9	Requirement	Reference in this Plan
(4)(i)	the means which the responsible person is required to use to identify a tree specified in paragraph (g)(i), (ii) or (iii);	Vegetation Coverage (Section 5.2) (i) Section 5.2.1 (ii) Section 5.2.2 (iii) Section 5.2.3
(4)(j)	the management procedures that the responsible person is required to adopt to ensure compliance with the Code, which must – (i) Include details of the methods proposed to be adopted for managing trees; and maintaining a minimum clearance space as required by the Code; and (ii) Specify the method of determining and additional distance that allows for cable sag and sway for the purposes of determining a minimum clearance space in accordance with Division 1 of Part 3 of the Code.	Management Procedures (Section 5.3) (i) Section 5.3.1 (ii) Section 5.4.2 and Section 5.4.3
(4)(k)	the procedure to be adopted if it is not practicable to comply with the requirements of AS 4373 while cutting a tree in accordance with the Code;	Management Procedures (Section 5.3) Section 5.3.3
(4)(m)	the details of each approval for an alternative compliance mechanism that; (i) the responsible person holds; and (ii) is in effect;	Monitoring and Auditing (Section 7)
(3)(n)	a description of measures that must be used to assess the performance of the responsible person under the management plan;	Monitoring and Auditing (Section 7)
(3)(o)	details of the audit processes that must be used to determine the responsible person's compliance with the Code;	Monitoring and Auditing (Section 7)
(3)(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;	Responsible Cutting Practices (Section 6)
(3)(q)	notification and consultation procedures, including the form of the notice to be given in accordance with Division 3 of Part 2 of the Code;	Notification (Section 8)
(3)(r)	a procedure for the independent resolution of disputes relating to electric line clearance;	Dispute Resolution (Section 9)

Reg 10	Requirement	Reference in this Plan
(1)	This regulation applies in relation to the management plan that a responsible person is required, under regulation 9, to prepare for a financial year.	This document
(2)	The responsible person must provide a copy of the management plan to Energy Safe Victoria within 14 days after a written request from Energy Safe Victoria or such longer period as specified by Energy Safe Victoria in the written request.	Electric Line Clearance Plan Objectives (Section 4)
(3)	The responsible person, if requested in writing to do so by Energy Safe Victoria, must provide further information or material in respect of the management plan within 14 days after the written request or such longer period as specified by Energy Safe Victoria in the written request.	Electric Line Clearance Plan Objectives (Section 4)
(4)	The responsible person must amend the management plan if instructed to do so in writing by Energy Safe Victoria within 14 days after the written instruction or such longer period as specified by Energy Safe Victoria in the written instruction.	Electric Line Clearance Plan Objectives (Section 4)
(5)	The responsible person must not contravene a requirement of the management plan if the management plan is approved by Energy Safe Victoria.	Electric Line Clearance Plan Objectives (Section 4)
(6)	The responsible person must ensure that a copy of the current management plan is published on the responsible person's Internet site.	3(b) Responsible Person - Plan Preparation

2. Responsible Persons

Regulation 9	Specification – Contact Details
(3)(a) the name, address and telephone number of the responsible person:	***Simon Kelley*** ***Head of Hydro*** AGL Energy Kiewa Valley Hwy Mt Beauty 3699 Phone: 0429 002 094 Email: skelley@agl.com.au
(3)(b) the name, position, address and telephone number of the individual who was responsible for the preparation of the management plan;	***Stuart Cariss*** ***Operations Governance Manager*** AGL Energy Kiewa Valley Hwy Mt Beauty 3699 Phone: 0429 946 459 Email: scariss@agl.com.au
(3)(c) the name, position, address and telephone number of the persons who are responsible for carrying out the Plan:	***Col Perso*** ***Works Team Supervisor*** AGL Energy Kiewa Valley Hwy Mt Beauty 3699 Phone: 0428 348 595 Email: cperso@agl.com.au
(3)(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:	***AGL Dispatch Center*** ***Duty Generation Dispatcher*** 699 Bourke St Melbourne 3000 Phone: (03) 5754 3142 Email: agldc@agl.com.au
(9) A responsible person must ensure that a copy of the management plan is (a) published on the responsible person's internet site; and	Information, including a copy of the Plan is available to be viewed by ESV. A copy of the Plan is also available on the AGL internet site at: http://agl.com.au

3. References

- AGL Hydro Line Clearance Plan 2021-2022
- AGL Hydro Electricity Safety Management Scheme 2015
- AGL Hydro Consultation, Communication and Dispute Resolution (HP AI AD 01)
- AGL Energy Customer Complaints Policy
- Electricity Safety Act 1998
- Electricity Safety (General) Regulations 2019
- Electricity Safety (Electric Line Clearance) Regulations 2020
- Electricity Safety (Management) Regulations 2019
- Electricity Safety (Bushfire Mitigation) Regulations 2013
- Electrical Safety (Bushfire Mitigation Duties) Regulations 2017
- Australian Standard AS4373 (2007) Pruning of Amenity Trees

4. Plan Objectives

This plan has been prepared to comply with the requirements of the Electricity Safety (Electric Line Clearance) Regulations 2020 and is issued with the authority of the Head of Renewables.

The following objectives are identified as key objectives of the plan:

- Public Safety
- Ensure full compliance by AGL Hydro with the Electricity Safety Act 1998 and the Electricity Safety (Electric Line Clearance) Regulations 2020
- Minimise the risk of fire starts due to line vegetation clearance issues on AGL Hydro assets
- Protection of important vegetation of outstanding aesthetic or ecological significance, and/or the habitat of rare or endangered species
- To achieve all vegetation clearance requirements with minimum disturbance to existing vegetation species
- To minimise the risk of vegetation related electricity supply disruptions
- To utilise skilled people and use modern technology to conduct efficient and effective vegetation management and develop an environment that encourages employee participation in improving methods of vegetation management
- Provision of a safe workplace for employees and contractors; and
- Community satisfaction with the manner in which necessary works are carried out.

Commitment to these objectives is provided through:

- Annual inspection of all vegetation in the vicinity of electric lines that are the responsibility of AGL Hydro
- Training of staff to perform vegetation clearance
- Annual review of AGL Hydro's Safe Access Procedures and the use of Job Safety and Environment Assessments (JSEA) Safe Work Methods Statements (SWMS)
- Contractor Management through AGL contractor management policy and contractor accreditation program and systems (cm3); and
- Pruning is undertaken in accordance with AS4373 (2007)

Compliance with these commitments is determined through regular audits conducted by qualified and experienced arborists. It is further acknowledged that AGL Hydro must:

- Provide a copy of the management plan to ESV on request within 14 days or such longer period as specified by ESV
- Provide further information in respect of the management plan on request within 14 days or such longer period as specified by ESV
- Amend the management plan when instructed to do so by ESV within 14 days or such longer period as specified by ESV
- Not contravene a requirement of a management plan approved by ESV; and
- Ensure that a copy of the management plan is available for inspection by the public at the responsible person's principal office in the State during normal business hours.

5. Responsibilities

5.1. Management Structure, Processes and Practices

The AGL Hydro management structure with respect to this plan is as follows:

Head of Hydro - responsible for:

- Overall management of AGL Hydro
- Timely completion and actioning of Electric Line Clearance strategies; and
- Ensuring the actions of AGL Hydro meet legislative requirements.

Operations Governance Manager – responsible for:

- Compliance and Verification of the Electric Line Clearance Plan
- Ensure proper liaison with other electric line and land management agencies; and
- Ensure the administration of the Electric Line Clearance Plan meets legislative requirements

Works Team Supervisor – responsible for:

- Ensuring all outstanding work is completed in a timely manner and adequate resources are made available for the implementation of the plan
- Ensuring all outstanding compliance issues are addressed and to ensure that matters are communicated to senior management; and
- Ensuring all compliance and Verification outcomes are reported to the Operations Governance Manager in a timely manner

Works Team Leaders (Civil and Electrical) -– responsible for:

- Day to day operation of electric line asset maintenance in accordance with this plan
- Asset inspection, vegetation control program and liaison with other land management agencies in accordance with this plan; and
- Allocation of contracts, with the responsibility of ensuring training and competencies are maintained in accordance with this plan

Senior Electrical Engineer — responsible for:

- Providing technical advice as required to ensure that the assets are maintained to the required standard; and
- Assist with contractor evaluation and selection to ensure they are technically competent and can provide the required levels of service

6. Plan Coverage

6.1. Geographical Coverage

6.1.1. Geographical Area Covered Under the Plan

AGL Hydro's line assets are predominantly located in the Kiewa and Rubicon Catchments with two small electric line assets located at Cairn Curran Reservoir. Maps and tables are included in the appendices of this plan. These maps indicate the declared areas to which this Management Plan applies, including boundary outlines, major roads, rivers, and landmarks.

It should be noted that the two electric line assets at Cairn Curran comprises one pole located within the switchyard, which is situated immediately downstream of the dam wall between the tailrace channel and

spillway structure. The other is a service pole with a floodlight illuminating the switchyard. As such, there is no vegetation, other than low ground cover in this area. All Kiewa and Rubicon Catchments are designated bushfire prone areas.

6.2. Vegetation Coverage

6.2.1. Native Vegetation

AGL Hydro has native vegetation, as described in paragraph (g) (i) of the Electricity Safety (Electric Line Clearance) Regulations 2020.

Vegetation in areas surrounding overhead lines belonging to AGL Hydro are of a mixed species of Eucalyptus with some secondary under story of mixed type as outlined in Section 6.2.2.

Maps and tables are included in the appendices of this plan which details the location of areas of trees and the predominant category of trees in those areas to which this plan applies (vegetation overlay supplied from the Department of Environment, Land, Water and Planning).

6.2.2. Vegetation Types

Zone 1 – Open Forest Zone (Dry Sclerophyll)

Description: Forests of mixed species of eucalypts and other forest trees. The understorey is dominated by low woody shrubs and grasses that can tolerate drier conditions.

Key Species: Red Stringybark (Eucalyptus macrorhyncha), Broad-leaved Peppermint (Eucalyptus dives), White Gum (Eucalyptus rossii). Narrow-leaved Peppermint (Eucalyptus radiata) Apple Box.

Location: Found on the lower reaches of the Rubicon Catchment, prior to line moving out onto grazing land at Rubicon “A” feeder at Rubicon Village.

Zone 2 - Tall Open Forests (Wet Sclerophyll)

Description: Forests of mixed species of tall eucalypts and other forest trees. Understorey of tall shrubs and herbs. The environment is moist and the understorey generally lush and thick, characterised by moisture-loving plants such as ferns. The eucalypts and other forest trees of this zone are fire sensitive.

Key Species: Narrow-leaved Peppermint (Eucalyptus radiata), Candlebark (Eucalyptus rubida), Manna Gum (Eucalyptus viminalis).

Zone 3 - Alpine Ash Forest

Description: Forest of tall straight trees, generally only one species - Alpine Ash, although this changes in the Rubicon catchment here Mountain Ash (Eucalyptus Regnans) is the primary specie. Fairly open understorey of grasses and herbs, some shrubs.

Key Species: Alpine Ash (Eucalyptus delegatensis), Mountain Gum (Eucalyptus dalrympleana). Mountain Ash (Eucalyptus Regnans)

Zone 4 - Subalpine Woodland

Description: This area is found at the upper reaches of our line easement in the Rubicon catchment. It consists of an open woodland community dominated by Snow Gum, the only species of tree that is able to grow at this altitude. The understorey is typically a grassland or herbfield community. At the highest and coldest elevations Snow Gum grow in shrub form (stunted and with many stems).

Key Species: Snow Gum (Eucalyptus pauciflora). Generally woody heaths interspersed with herbs and tussock grasses.

6.2.3. Significant Vegetation

AGL Hydro does not have any types of significant vegetation, as described in paragraph (g) (ii) and (iii) of the Electricity Safety (Electric Line Clearance) Regulations 2020.

Local Shire and Land Management agencies were contacted in relation to the Vegetation of significant interest. No vegetation of significant interest was identified within or immediately surrounding the AGL line easements of both the Rubicon & Kiewa catchments.

Vegetation type within the catchments is changing due to bushfires in 2003, 2006, 2009 and 2019/20 with understory species becoming dominant as the vegetation regrowth occurs.

6.2.4. Process to Identify Important Vegetation

As per section (g) (ii) and (iii) AGL Hydro does not have any types of significant vegetation and therefore Section (h) of the Electricity Safety (Electric Line Clearance) Regulations 2020 does not apply.

Local Shire and Land Management agencies were contacted in relation the Vegetation of significant interest. No vegetation of significant interest was identified within or immediately surrounding the AGL Line Easements of both the Rubicon & Kiewa catchments.

These are reviewed and updated annually with the development of this document. Any variations are made known to the persons responsible for vegetation clearance with the initial request for works.

7. Management Procedures

When pruning vegetation near live overhead lines, arboriculture techniques should be used, where practicable, in accordance with the appropriate Australian Standard.

Vegetation management work shall not be performed near live overhead lines, when another activity that could compromise the safety of the work team is being carried out.

Prior to commencing vegetation management work, a documented Job Safety and Environment Analysis (JSEA) shall be in place to record potential hazards, assess the risk and determine controls associated with work practices, the work environment, the use of materials, plant, tools and equipment.

Contractors undertaking vegetation work shall develop and document approved work procedures to ensure the safety of vegetation management workers and the public.

The following AGL Hydro vegetation management procedures include and are further described:

- Controlling of Hazardous Situations
- Safe Approach Distances and Vegetation Clearances
- Methodologies and Practices
- Priority Coding

7.1. Controlling Hazardous Situations

Vegetation management work which is required to be performed on vegetation which has any part within or likely to come within, the vegetation clearances of live exposed high voltage overhead lines shall be undertaken by approved work methods or under Electrical Access Permit.

Measures shall be taken by contract vegetation workers to control the risks from hazardous situations in accordance with approved procedures. Control measures shall be monitored, and their effectiveness reviewed for the duration of the works.

This may be achieved by, but not limited to one or more of the following methods:

- Utilisation of a Safety Observer
- Taking an electrical access permit
- The use of fully insulated mobile plant, tools, and equipment
- Increase the minimum distances required to safely carry out the vegetation management work including allowance for unexpected conductor movement
- The use of suitable personal protective equipment
- A safe means and method of controlling the movement of limbs being cut
- Positioning the 'mobile plant' and persons such that Safe Approach Distances can be maintained in all circumstances; and
- Ensure that all members of the public are kept clear of the work site while vegetation management work is in progress

7.2. Safe Approach Distances and Vegetation Clearances

AGL Hydro will comply with the Code Clearance of all vegetation in fire prone area as laid down in Electrical Safety (Electric Line Clearance) Regulations 2020.

The Vegetation clearances described in this plan means the minimum separation in air that should be maintained between vegetation and live electrical apparatus when performing vegetation management work.

The Safe Approach Distances and Vegetation Clearances detailed in this plan make no provision for conductor movement due to wind or change in conductor temperature. Unexpected conductor movement may occur under moderate wind or changes in conductor heating or cooling factors.

Appropriate allowance for sag and sway changes must be applied when working adjacent to power lines towards the centre of the span to ensure that appropriate Safe Approach Distances are always maintained.

Any safe system of work employed to undertake vegetation clearing near overhead power lines shall result in the achievement of both the Safe Approach Distances and Vegetation Clearance which includes but is not limited to:

- Cut, pruned, or falling vegetation
- Tools and equipment
- Persons; and
- Mobile plant

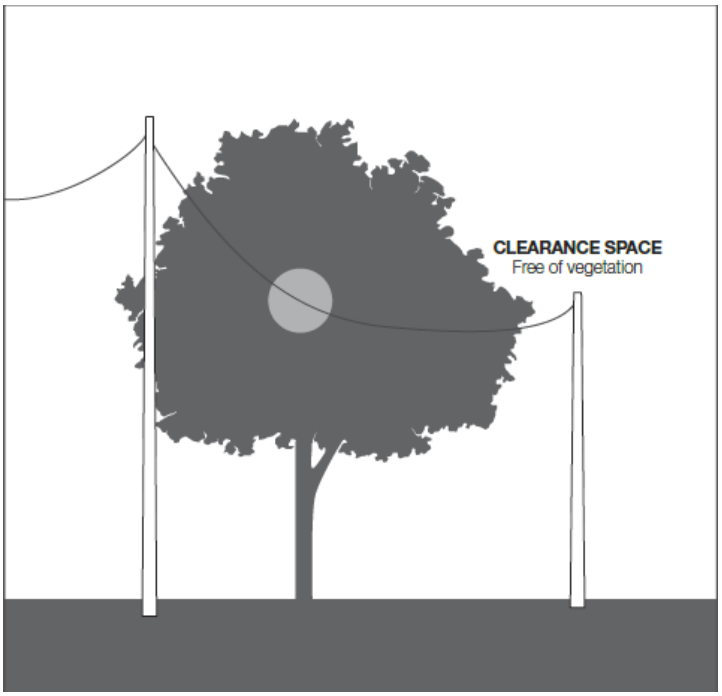
To ensure compliance and clarity copies of the following relevant tables and clearance diagrams from Electrical Safety (Electric Line Clearance) Regulations 2020 have been included below:

- Insulated Electric Lines in All Areas
- Uninsulated Line clearances in Hazardous Bushfire Areas
- Uninsulated Line Spans in Hazardous Bushfire Areas

7.2.1. Insulated Electric Lines in All Areas

FIGURE 2—INSULATED ELECTRIC LINES IN ALL AREAS

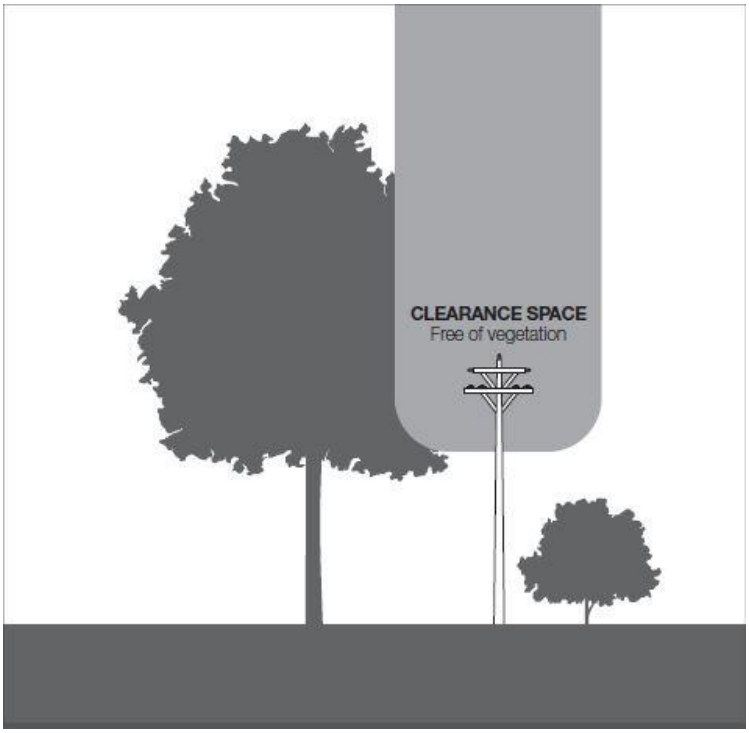
Clause 24, Graph 1



7.2.2. Uninsulated Line clearances in Hazardous Bushfire Areas

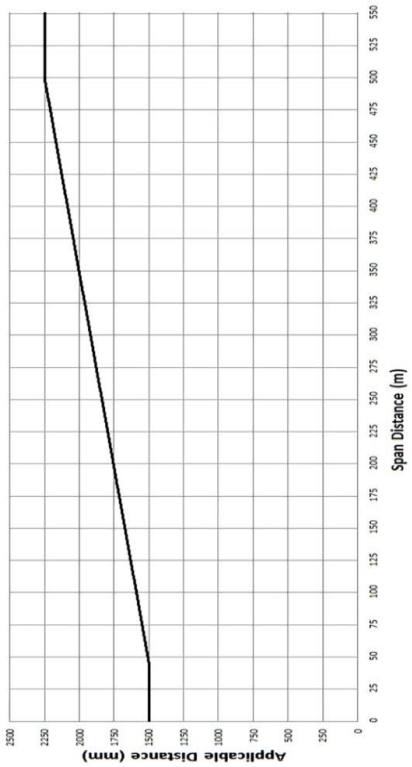
Figure 5—Uninsulated 66 000-volt Electric Line in a Low Bushfire Risk Area and Uninsulated Electric Line in a Hazardous Bushfire Risk Area

Clauses 27, 28 and 29, Graphs 4, 5 and 6



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



Graph 5 Formula

The formula by which the applicable distance for the middle two thirds of a span of an electric line to which clause 28 applies is calculated is as follows:

For $0 < SD \leq 45$, AD = 1500 mm

For $45 < SD \leq 500$, $AD = 1500 + ((SD - 45) \times (500 \div 303))$

For $500 < SD$, AD = 2250 mm

Where:

SD = Span Distance

AD = Applicable Distance

Notes to Graph 5

(1) The applicable distance must be extended by an additional distance to allow for sag and sway of the cable. This is done by adding that distance to the applicable distance (see clause 28(2)(a)).

(2) A distribution company, or an owner or operator of a railway supply network or a tramway supply network, must assist a Council, if requested, by determining the additional distance (see clause 21(2)).

(3) The minimum clearance space for a span of an electric line to which this Graph and clause 28 apply is partially illustrated in Figures 1 and 5.

(4) The applicable distance for the first and last sixths of a span of an electric line to which clause 28 applies is 1500 millimetres.

7.3. Methodologies and Practices

Vegetation management work which is required to be performed on vegetation which has any part within or likely to come within, the vegetation clearances of live exposed high voltage overhead lines shall be undertaken by approved work methods or under Electrical Access Permit.

7.3.1. Safety Observer

A safety observer(s) shall be appointed where any, person, mobile plant, EWP, or vegetation is in a position where any part could accidentally come within the Safe Approach Distances or Vegetation Clearances. Depending on the position and complexity of the work, more than one safety observer may be required however at least one safety observer must be always positioned at ground level.

The safety observer(s) shall:

- Be specifically instructed in the workplace hazards applicable
- Ensure that all persons, tools, plant, and equipment remain outside the specified minimum
- Safe Approach Distance unless performing a rescue in accordance with approved procedures
- Be positioned at a suitable location to effectively observe the work being performed
- Not observe more than one vegetation management work activity at any time
- Always maintain effective and immediate communication with the work team
- Not perform any other task while acting as a safety observer, which includes the passing of tools directly to the person performing the work
- Suspend all work in the event of having to leave the site or significantly change position until he / she has returned / reached new location or has been replaced
- Be trained and deemed competent of performing a rescue relevant to the work being undertaken; and
- Be trained and deemed competent of performing the work being undertaken.

The safety observer's role may be rotated between members of the work team ie. to reduce fatigue. When this occurs, it shall be formally handled such that all members of the work party are always aware who is performing the role of the safety observer(s).

7.3.2. Method of Maintaining the Clearance Space

In managing trees AGL Hydro:

- Performs formal annual inspection by trained competent persons of all AGL Hydro's electric line assets and associated vegetation clearance areas to identify all works, including vegetation management works, such as pruning and clearing of trees, necessary to maintain fire safety
- Undertakes a programme of weekly patrols by AGL Hydro staff of electric line assets to check for any issues, including vegetation, requiring immediate attention
- Monitors, reports, and audits the state of preparedness for the declared bushfire season and the effectiveness of line clearing programs
- Maintains an accurate database of line clearance activities required and line clearance activities conducted for each pole and section of electric line owned by AGL Hydro; and
- Calculate the additional pruning requirements to maintain clearance spaces in anticipation of regrowth in the pruning cycle. AGL Hydro employs a trained professional to advise of predicted regrowth based upon tree type and species, historical growth patterns for the different areas, and anticipated seasonal rainfall.

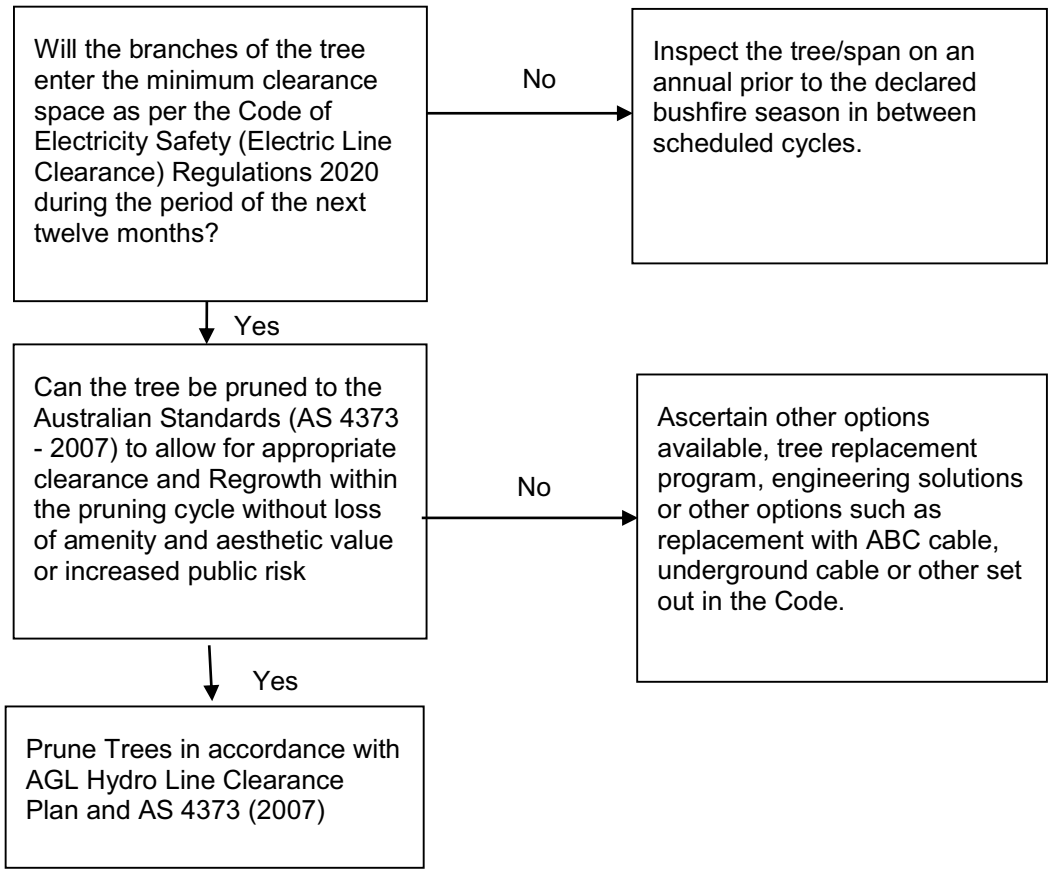
7.3.3. Method of Maintaining Trees Below Lines

Strategies to manage trees below electric lines to mitigate, as far as practicable, the fire risks associated with the fuel load below the transmission line include:

- The establishment of management processes which insure the inspection, implementation, surveillance and monitoring of power line clearance and maintenance activities
- Maintain and improve responsive processes for the dealing with notified locations of noncompliance with the Regulations
- Maintain a 12-monthly cycle of planned pruning and vegetation clearance prior to the declaration of the bush fire season in all clearance areas to which this plan applies
- Continue weekly line patrols of clearance spaces to check for damage and risks and schedule non-routine pruning or vegetation clearing activity
- Building team and management relationships with relevant authorities so that electric line clearance can be achieved using environmentally and economically sustainable solutions
- Institute systems for the notification of those affected by the proposed works and including mechanisms for consultation and dispute resolution
- Implementation of audit procedures to insure the effectiveness of all related practices and processes in line with AGL Hydro's maintenance procedures; and
- Implement alternative engineering solutions such as undergrounding of lines where required

7.3.4. Method of Maintaining Trees Adjacent to Lines

Detail of the methods to be used for the clearance of vegetation under electric lines is contained in AGL Hydro's Bushfire Mitigation Plan. The following flow chart shows the decision-making process for maintaining line clearance.



An inspection of these areas is conducted annually by a suitably qualified auditor prior to 30 September each year. 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.

Once auditors have completed the annual and scheduled inspections a report clearly outlining the projected needs in relation to statutory tree clearing and asset maintenance conditions are provided to AGL Hydro's responsible officer who will then undertake random 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.

For scheduled pruning AGL Hydro will provide 14 days prior notification to affected landowners. If immediate/emergency pruning is necessary AGL Hydro will attempt to contact affected landowners prior to the pruning operations commencing. If this cannot be achieved the landowners are notified as soon as possible after emergency pruning occurs.

AGL Hydro observes a routine cycle between each pruning and clearing of trees of 12 months.

7.3.5. Process to Maintain the Clearance Space

In determining the location where work is required to maintain the clearance space AGL Hydro will:

- Monitor conditions in the area adjacent to the clearance space or the regrowth space to ensure that no trees or parts of trees in those areas could be a hazard to the safety of the electric lines under the range of weather conditions that can prevail in that area.
- Maintain a regime of regular inspections through a computerised maintenance management system (CMMS), particularly during the growing season, with additional consideration given to weather online encroachment. Refer to the scheduled works listed in the appendices of this plan.
- Calculation of the length of time required between each pruning or clearing of trees is dictated by the following factors:
    - Annual regrowth
    - Type of tree
    - Fire vulnerability of species (type of bark, leaf litter etc)
    - Line voltage and type of protection; and
    - Environmental impact on area/catchment

If an easement undergoes abnormal growth patterns due to climate conditions, then a shorter pruning cycle would be considered.

7.3.6. Process for Pruning or Urgent Cutting or Removal

The normal pruning cycle is 12 monthly unless abnormal conditions occurred. All works are carried out by the responsible person in compliance with Schedule 1 – Code of Practice Section 10.

AGL Hydro employs trained and qualified external contractors that must have a minimum of Certificate II in ESI Powerline Vegetation Control, Cert III Horticulture (Arboriculture) and hold appropriate certificates for both themselves and their equipment that legally entitles them to undertake the work. Identification of qualifications is undertaken as part of the contractor prequalification accreditation (cm3) and the AGL authority to work (ATW) processes.

The trained contractors provide advice on predicted growth. Where urgent pruning or clearing to maintain the required clearance, space is identified by inspection then the required work is undertaken as required within 4 weeks. See Priority coding table.

All urgent pruning or clearing must comply with AS4373 as reasonably practicable. As soon as practicable after completing the cutting or removal, notice of that cutting or removal has occurred is to be provided to:

- All affected persons; and
- The occupier of the land on which the tree was cut or removed; and
- If a tree was removed—the owner of the land on which the tree was removed.

After any urgent cutting or removal records of the following details are to be kept for a minimum of 5 years, these details are to be archived and entered in the computerised maintenance management system:

- Where and when the cutting or removal was undertaken
- Why the cutting or removal was required; and
- The last inspection of the section of the electric line where the cutting or removal was required.

Compliance with AS4373 is determined through the post-work audits. Should results be unsatisfactory, this will be indicated, and remedial or corrective works are undertaken as a priority.

Alternative methods of maintaining clearance compliance by pruning must be considered where pruning to the Standards would result in:

- A safety risk to the workers performing vegetation clearance
- Potential safety risk to the public
- Minimal mitigation of fire risk; or
- Unacceptable damage to the amenity and structural integrity of the tree

Alternative methods may include:

- Installation of Aerial bundle cabling
- Alternative cross-arm configuration
- Underground cabling
- Submitting an exemption application for specific locations'
- Increase inspection and pruning cycles
- Tree removal and replacement with a more suitable species
- Tree removal with no replacement

7.3.7. Process for Pruning or Cutting Trees of Significance

Strategies to restrict cutting or removal of native trees or trees of cultural or environmental significance to minimum extent necessary to ensure compliance with the Regulations or to make an unsafe situation safe are:

- Together with AGL Hydro's electric line maintenance provider investigate alternative solutions to protect vegetation from adverse impact by electric lines and electric lines maintenance.
- Continue the close working relationship with AGL Hydro's electric line maintenance provider and maintain active supervision, and checking, of work done on AGL Hydro's behalf to ensure the most environmentally sound practices are being employed for vegetation management and electric line
- To prevent excessive pruning or clearing of trees AGL Hydro will ensure all pruning is undertaken either by thoroughly trained in-house staff, or fully trained professional vegetation management contractors and is conducted according to AS 4373-2007 "Pruning of Amenity Trees".

AGL Hydro staff training records are kept by the responsible officer, or a delegated officer, and are updated as staff attain specific training standards as well as annually as a matter of routine.

Pruning works are inspected before during and after the job by qualified supervisory staff to ensure compliance with the standard and a record kept of these inspections.

7.4. Priority Coding

Priority coding is used to identity and prioritise activities resulting from the inspection of all vegetation in the vicinity of electric lines that are the responsibility of AGL Hydro.

Priority codes are used for both the external audit inspections and for scheduling remediation activities in the AGL Hydro computerised maintenance management systems, as follows:

7.4.1. External Audit Inspections Codes

Priority/Code	Description
55	Vegetation in Contact or Likely to Contact
56	Vegetation currently Inside Clearance Space
20	Vegetation predicted to grow into the clearance space during 2020
21	Vegetation predicted to grow into the clearance space during 2021
22	Vegetation predicted to grow into the clearance space during 2022
23	Vegetation predicted to grow into the clearance space during 2023
24	Vegetation predicted to grow into the clearance space during 2024
VS	Vegetation predicted to grow into the clearance space during 2025-2030
NVS	Non-Vegetated Span

7.4.2. Internal Works Management Priority Codes

Internal works management priority codes are used for scheduling remediation activities in the AGL Hydro computerised maintenance management systems based upon the external audit recommendations and assessment of current asset operating conditions.

Priority/Code	Description
P1 (Immediate)	Requires immediate remedial action
P2 (Break Schedule)	Requires high priority remedial action within the current working week
P3 (Next Sched Week)	Requires high priority remedial action within the next working week
P4 (Start 2-4 weeks)	Requires remedial action within 2-4 weeks during fire & non fire season
P5 (Start 4+ weeks)	Requires further assessment or remedial action within a period greater than 4 weeks in normal maintenance timeframes

8. Responsible Cutting Practices

This section outlines the process to be employed to ensure that cutting or removal of trees is undertaken in a responsible manner and applies to all persons associated with the vegetation management plan.

AGL Hydro employs trained and qualified external contractors that must have a minimum of Certificate II in ESI Powerline Vegetation Control, Cert III Horticulture (Arboriculture) and hold appropriate certificates for both themselves and their equipment that legally entitles them to undertake the work.

Workers shall only undertake work for which they have been trained, assessed, and deemed competent to enable them to safely perform work. All relevant contractors must have sufficient knowledge, training, qualifications, and experience to ensure that tree activities under their control are conducted in a safe and environmentally responsible manner.

AGL Hydro records all contractor training and qualifications in the 'RAPID Global' and 'cm3' contractor management application systems including ensuring routine refresher training in relevant modules are current and work can be undertaken in a safe competent manner.

Identification of qualifications is undertaken as part of the contractor pre-qualified accreditation (cm3) and Authority to Work (ATW) processes.

8.1. Training and Competency

The following AGL Hydro vegetation roles are required to hold the qualification of Certificate II in ESI Powerline Vegetation Control (UET20312):

Vegetation roles	Description
Assessor	Engaged in assessing and scoping vegetation near live electrical apparatus. Determine cutting requirements to confirm compliance for vegetation near live electrical apparatus.
Cutter working from EWP	Engaged in vegetation control work for the Network Operator from an Elevated Work Platform (EWP).
Specialist Plant Operator	Engaged in vegetation control work for the Network Operator from the ground using specialised plant ie. mechanical boom saw.
Tree Climber	Engaged in vegetation control work for the Network Operator from a tree.
Arborist	Arborists may be engaged at AGL Hydro to assess hazardous trees.

Section 8.2 below outlines the units of competency required to be undertaken for the applicable Vegetation role. All mandatory competencies shall be completed to undertake the role at AGL Hydro. Recognised training shall be provided by a Nationally Recognised Trainer following the Australian Qualifications Framework or have recognised equivalent training and/or experience.

When a vegetation worker undertakes a role that requires a qualification, they shall meet the agreed elective requirements. New workers shall have a documented training plan within 3 months of commencing any work at AGL Hydro which includes reference to the nominated electives in the table below.

Where a person performs multiple roles (ie. Tree Climber, Cutter working from EWP) they shall undertake the mandatory units of competency and refresher training applicable to the roles as stipulated in this plan.

8.2. Units of Competency Requirements

The following table outlines the Units of Competency required to be undertaken for the applicable Vegetation role at AGL Hydro. All Mandatory (M) units of competency shall be completed to undertake the role.

Qualification and Core Competency Standard	Competency Standard Unit	Assessor	Cutter Working from EWP	Specialist Plant Operator	Tree Climber
Qualification					
Certificate II in ESI - Powerline Vegetation Control	UET20312	M	M	M	M
Apply ESI safety rules, codes of practice and procedures for work on or near electrical apparatus (Green Book / Blue book)	UETTDRRF01B	M	M	M	M
Elective Competency Standard Units					
Use climbing techniques to cut vegetation above ground near live electrical apparatus	UETTDRVC21A				M
Assess vegetation and recommend control measures in an ESI environment	UETTDRVC24A	M			
Use elevated platform to cut vegetation above ground level near live electrical apparatus	UETTDRVC25A		M		
Operate specialist equipment at ground level near live electrical apparatus	UETTDRVC31A			A	
Use specialised plant to cut vegetation above ground level near live electrical apparatus	UETTDRVC32A			M	
Apply pruning techniques to vegetation control near live electrical apparatus	UETTDRVC33A		M	M	M
Undertake release and rescue from a tree near live electrical apparatus	UETTDRVC34A				M
Fell small trees	AHCARB202A		A	A	A
Undertake standard climbing techniques	AHCARB204A				M
Apply chemicals under supervision	AHCCHM201A		A	A	A
Operate machinery and equipment	AHCMOM304A		A	M	A
Recognise plants	AHCPCM201A	M	A	A	A
Operate a mobile chipper/mulcher	FPIHAR2206B		A	A	A
Licence to operate a boom-type elevating work platform (boom length 11 metres or more)	TLILIC2005A		M		

M – Mandatory

A – Additional (If worker requires for the works being performed)

8.3. Competency and Refresher Requirements

Frequency	Qualification and Core Competency Standard	Competency Standard Unit	Assessor	Cutter Working from EWP	Specialist Plant Operator	Tree Climber
3 Yearly	Apply ESI safety rules, codes of practice and procedures for work on or near electrical apparatus (Blue book)	UETTDRRF01B	M	M	M	M
3 Yearly	Apply access procedures to work on or near electrical network infrastructure (Receive Access Permit)	UETTDRRF09B	M	M	M	M
1 Year	Cardiopulmonary Resuscitation (CPR)	HLTAID001	M	M	M	M
1 Year	First Aid in an ESI environment	UETTDRRF10B	M	M	M	M
1 Year	EWP Controlled Descent Escape	UETTDRRF08B		M		
1 Year	EWP Rescue	UETTDRRF03B		M		
1 Year	Undertake release and rescue from a tree near live electrical apparatus	UETTDRVC34A				M

M – Mandatory

A – Additional (If worker requires for the works being performed)

9. Monitoring and Auditing

9.1. Monitoring

Performance procedures relating to keeping vegetation clear of powerlines within the declared area are measured by the following:

- Number of trees in breach of the Regulation at date of audit
- Number of pruning cuts found below standard
- Number of external requests for pruning or external complaints
- Progress against cutting schedule; and
- Number of alternative approaches to normal pruning adopted:
    - Removal/replacement
    - Powerlines relocated underground
    - Other engineering solutions adopted

9.2. Compliance

To gauge the Responsible Person's compliance with the Regulations, AGL Hydro conduct an annual desktop audit on all aspects of bushfire preparedness including line clearance and bushfire mitigation plans prior to the declaration of the fire danger period each year.

Audit results are forwarded to the Operations Manager for action. The audit team consists of the following officers or appointed delegate:

- Operations Manager
- HSE Business Partner
- Works Supervisor; and
- Works Team Leader (Civil)

The following criteria are audited:

- Compliance with the Regulations
- Line audit reports
- Line maintenance records
- Pruning reports
- Bushfire mitigation index reports
- Line outage procedures
- Hardware replacement; and
- Bushfire preparedness

9.3. Auditing

To assess the implementation of this management plan AGL Hydro management will undertake as a part of the annual internal review of bushfire preparedness all aspects of this plan.

An audit prior to the declared summer bushfire season will identify trees that:

- Are likely to contact powerlines
- Are encroaching into the clearance space
- Will need re-inspecting within the current year
- May require additional clearances due to changes in bushfire risk classification; and
- May pose other hazards

In addition, the following aspects are reviewed:

- The timely repair of asset damage or vegetation clearance issues raised by contractor or employees via maintenance management system reports
- The timely rectification of noncompliance issues raised by outside agencies
- Accurate reporting and record keeping
- The number of line inspections and reports raised; and
- Timely submission of reports to Energy Safe Victoria.

The results of all audits are documented in audit reports in accordance with documented procedures. The results of each audit including the documented Corrective Action Requests and are brought to the attention of the Leadership Team.

Each audit is conducted by trained personnel, independent from those activities being audited. Copies of all internal audit reports are retained for a minimum of 5 years, these details are archived and entered in the AGL Hydro computerised maintenance management system.

The Head of Hydro reviews each audit report and co-ordinates follow-up action to verify the implementation of the corrective action and a works management work order is raised and tracked.

10. Notification

AGL Hydro provides 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 Hydro Electric Line Clearance Management Plan 2021-2022 is made available for public inspection upon request between 0730 to 1600 hours. This will be at AGL Hydro's principal office located at Kiewa Valley Highway Mt Beauty.

The following documentation is also available on request:

- Bushfire Mitigation Plan
- Line easement maps
- Asset register reports; and
- Significant vegetation maps

AGL Hydro electric lines cross private land, and the vegetation management practices affect three separate landowners. There are two private landowners and the Victorian Department of Environment, Land, Water and Planning (DELWP). AGL Hydro will make notification to DELWP prior to planned works.

AGL Hydro will, as required by the Regulations, prior to vegetation clearance within the boundary of a private property, consult with the occupier and/or the owner of the property, prior to the cutting or removal of vegetation. This will occur at least 14 days and not more than 60 days before the intended cutting or removal is to occur and will be by means of a notice.

11. Dispute Resolution

AGL Hydro has a dispute resolution policy in place. This was developed to settle conflicts and disputes arising from any aspect of AGL's services or products. The system documents how to deal with disputes that require resolution by an external process.

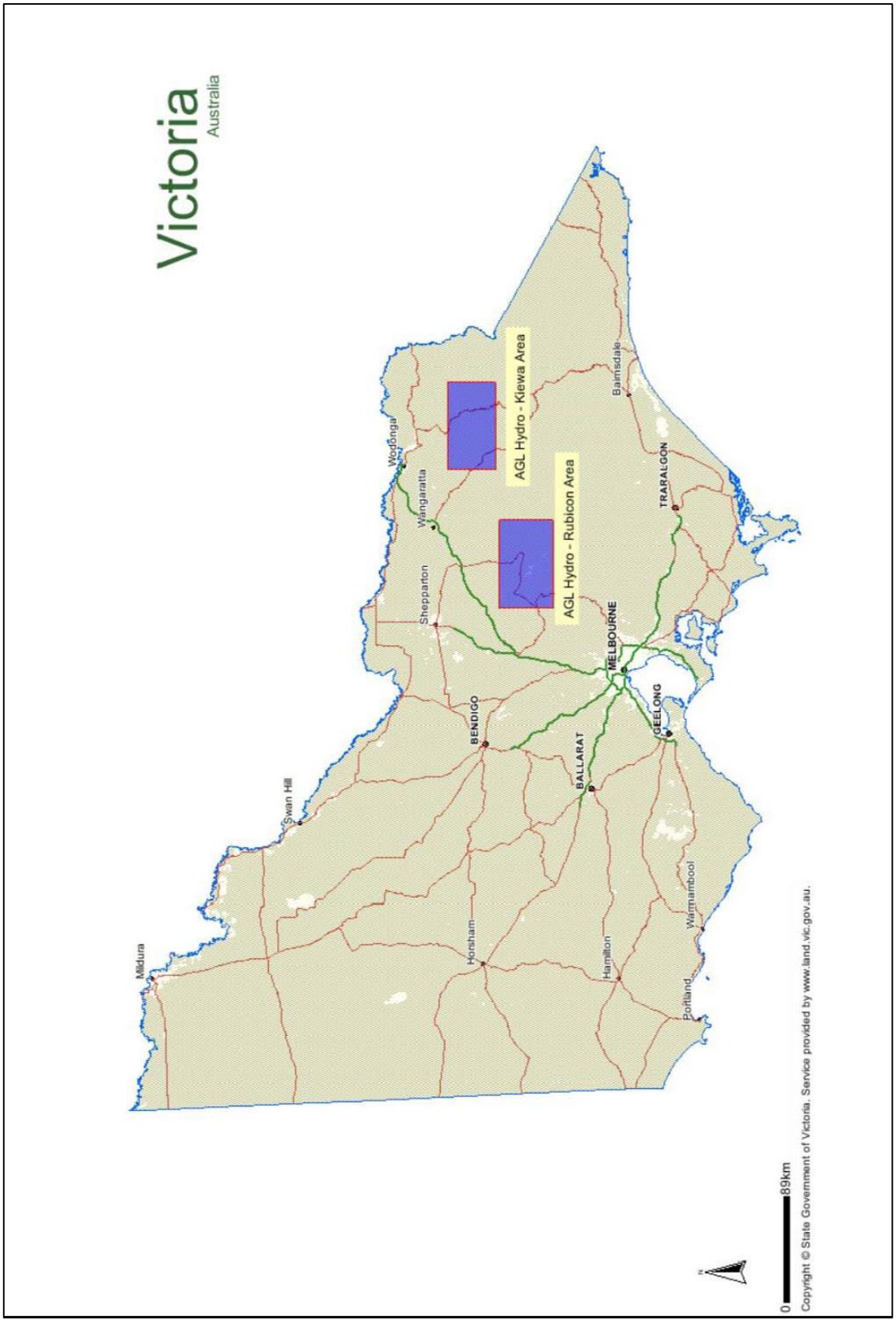
The dispute resolution policy is also available to be viewed on the AGL public website:

https://www.agl.com.au/-/media/AGL/Residential/Documents/Regulatory/2016/Dispute-Resolution.pdf?la=en

12. Appendices

12.1. Victorian Assets

All overhead electric lines outline in this section are in a Hazardous Bushfire Risk Areas (HBRA).

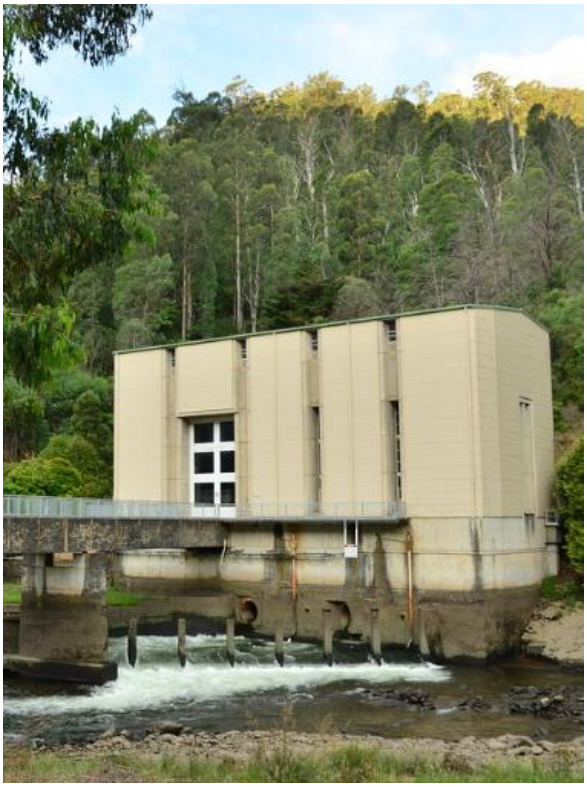


12.2. Kiewa Hydro Scheme Assets

12.2.1. Mount Beauty Depot and Regulating Pondage

12.2.2. West Kiewa Power Station

12.2.3. Clover Power Station

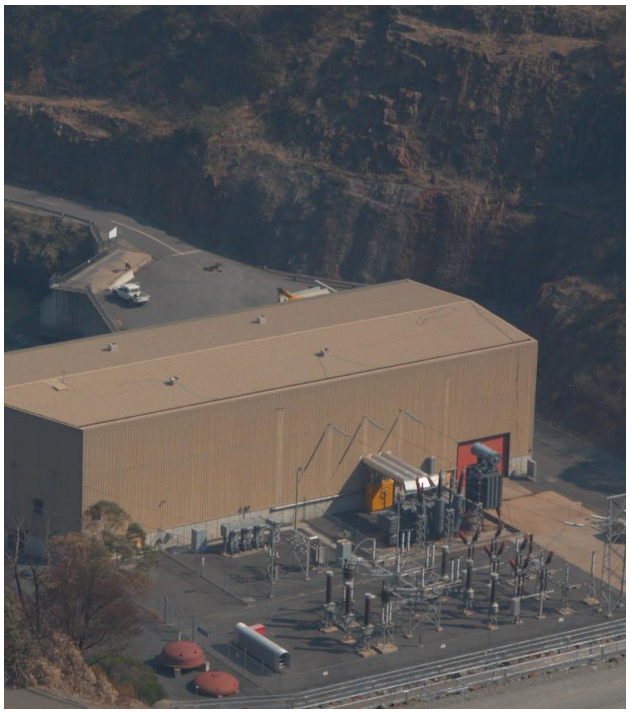


12.2.4. Bogong Power Station

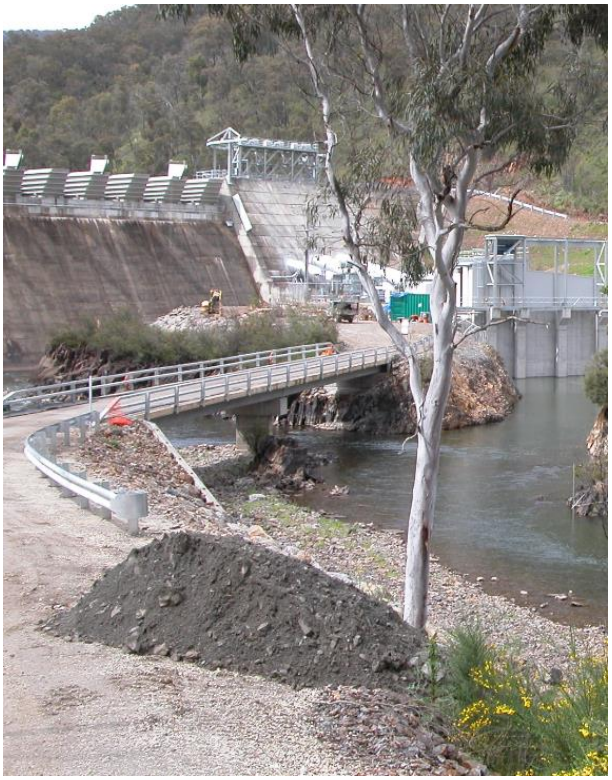
12.2.5. McKay Creek Power Station

12.3. Dartmouth Hydro Scheme Assets

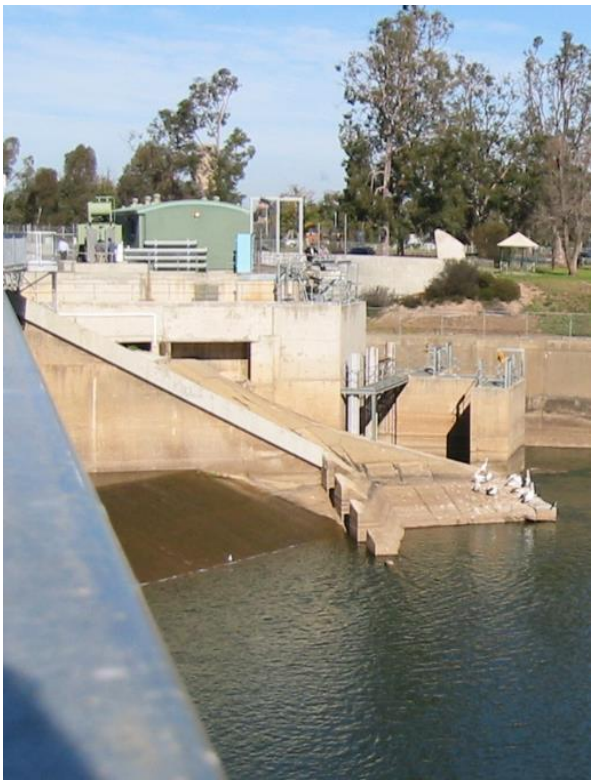
12.3.1. Dartmouth Power Station



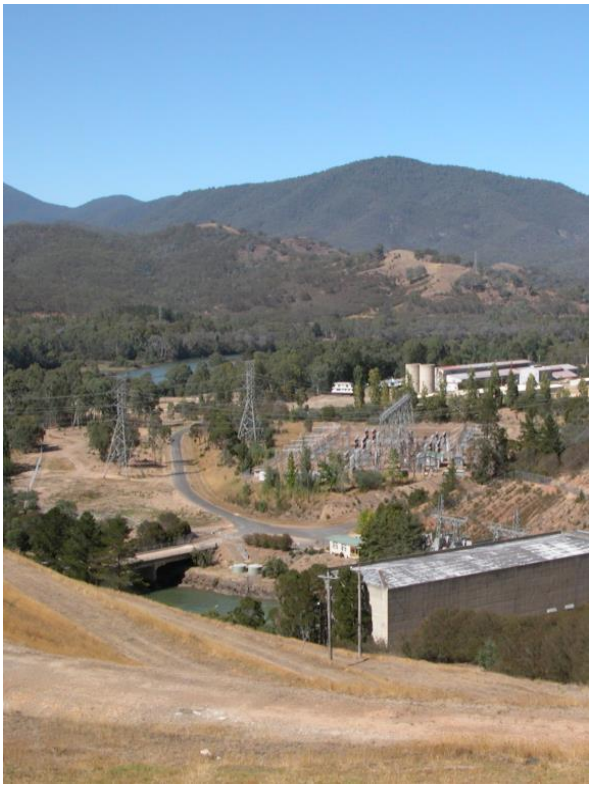
12.3.2. Banimboola Power Station



12.4. Yarrawonga Power Station Assets



12.5. Eildon Power Station Assets



12.6. Kiewa Hydro Scheme Overhead Powerlines

This section relates to all overhead electric lines in the Kiewa Hazardous Bushfire Risk Area (HBRA).

12.6.1. Kiewa – Mount Beauty Depot

12.6.2. Kiewa – West Kiewa

12.6.3. Kiewa – Clover and Bogong Creek Raceline

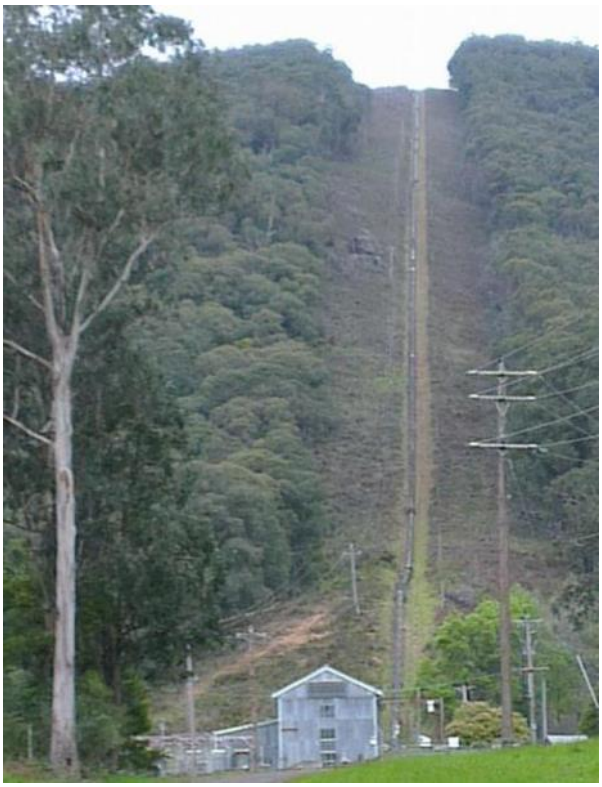
12.6.4. Kiewa – Bogong

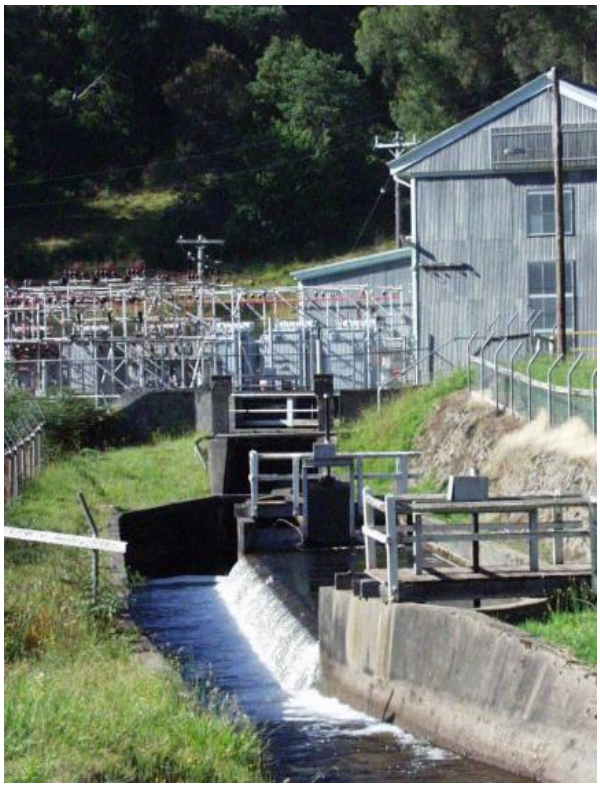
12.6.5. Kiewa – McKay Crk PS

12.7. Rubicon Hydro Scheme Assets

12.7.1. Lower Rubicon PS

12.7.2. Rubicon PS



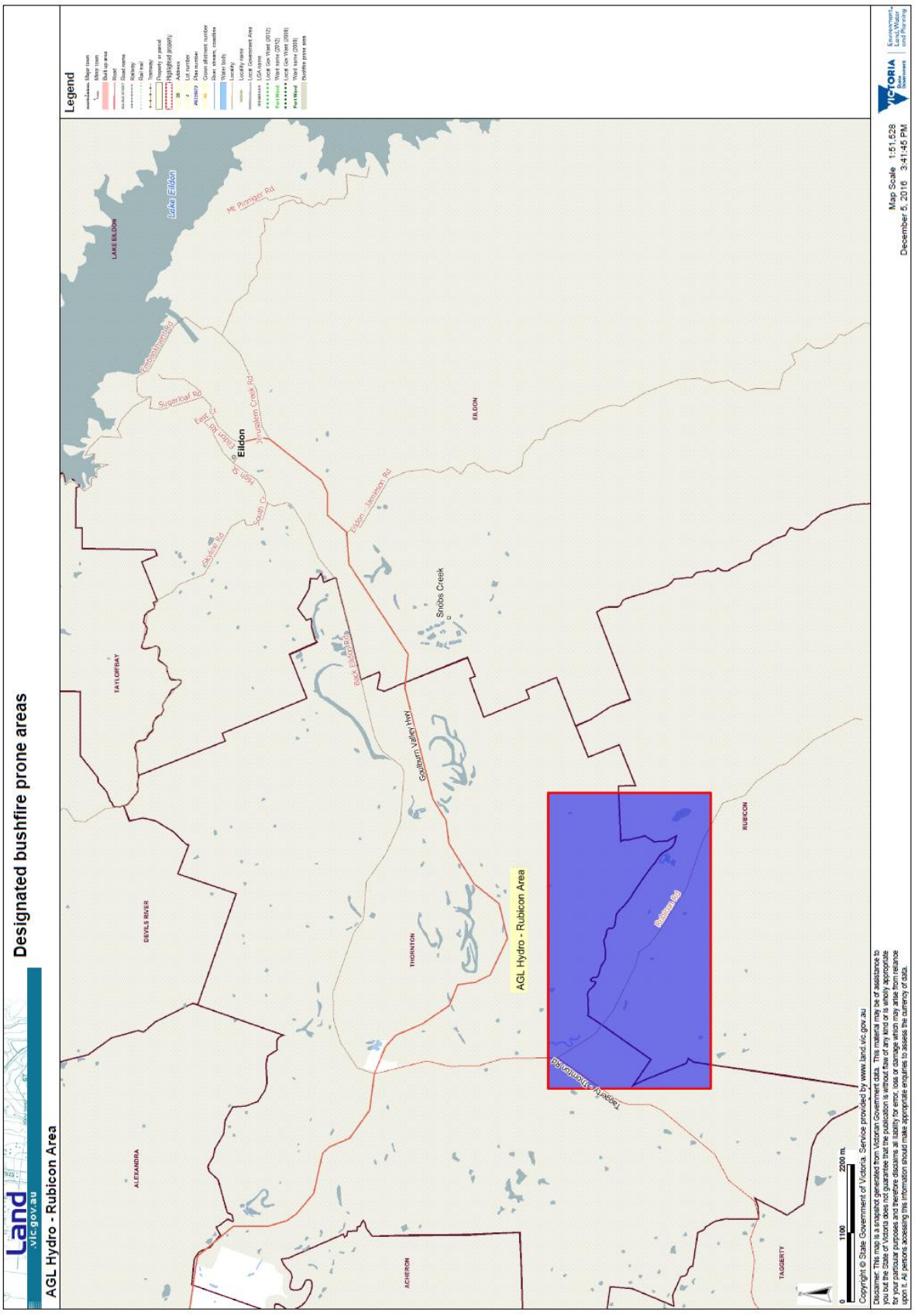


12.7.3. Rubicon Fall PS

12.7.4. Royston PS

12.8. Rubicon Hydro Scheme Overhead Powerlines

This section relates to all overhead electric lines in the Rubicon Hazardous Bushfire Risk Area (HBRA).



12.8.1. Rubicon A - Rubicon PS (Image 1)

12.8.2. Rubicon A - Rubicon PS including Lower Rubicon (Image 2)

12.8.3. Rubicon A - Rubicon PS (Image 3)

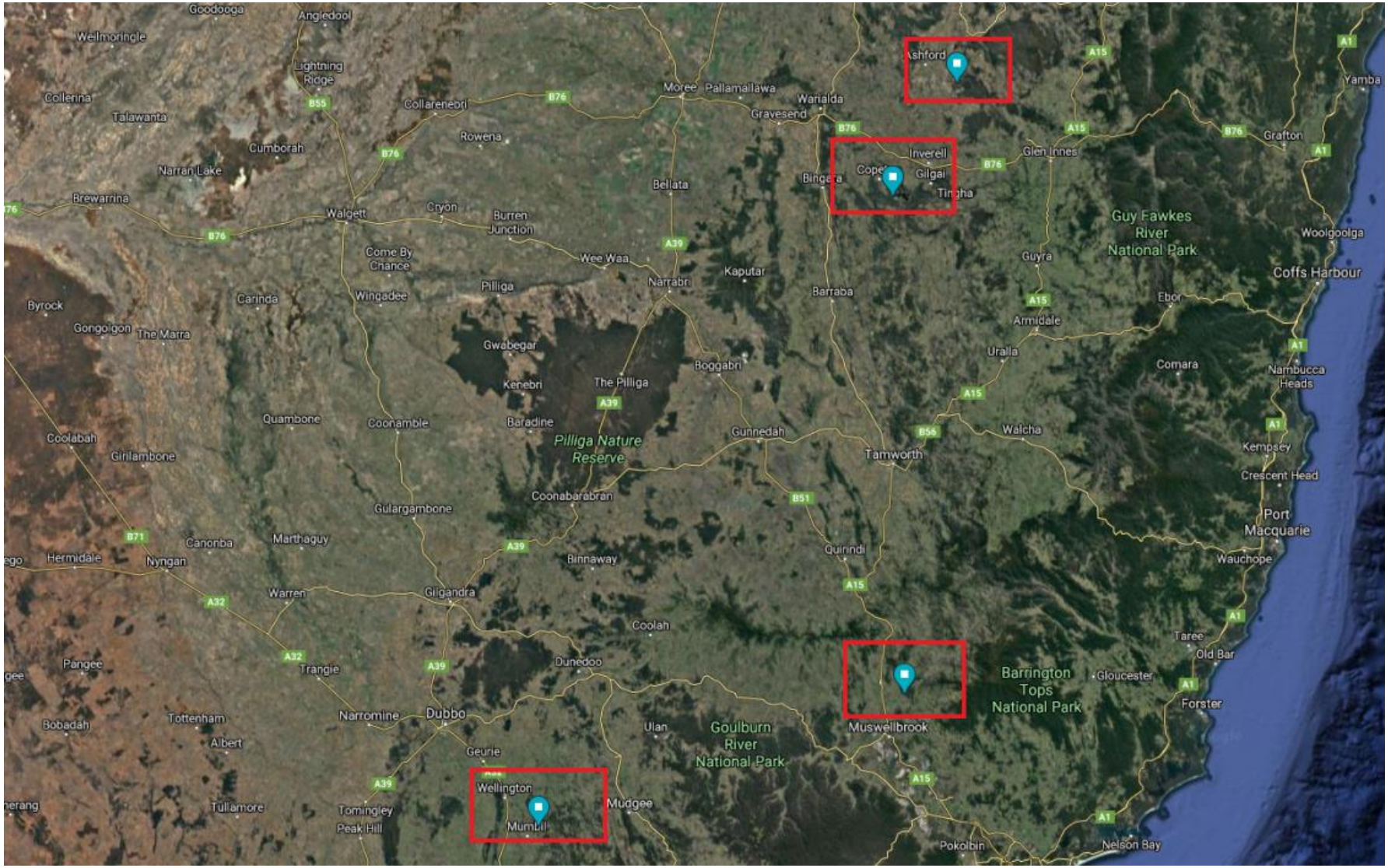
12.8.4. Rubicon PS

12.8.5. Rubicon Falls PS

12.8.6. Royston PS

12.9. NSW Assets

All NSW overhead electric lines are located with the confines of the power station switchyard of each asset located in the following Hazardous Bushfire Risk Areas (HBRA).



12.9.1. Pindari Power Station

Address	Pindari Dam Road
Connection Point: Connection clamp to the 66kV incoming line to the AGL Pindari substation. **AGL Asset Ownership:** AGL Pindari substation infrastructure including incoming 66kV pole structure and 66kV line connection clamp and dropper cable. **TNSP Asset Ownership:** 66kV incoming overhead line and insulator connected to the AGL incoming overhead line pole structure.	
NSW Rural Fire Service bushfire prone area assessment: Bushfire Prone Location	

12.9.2. Copeton Power Station

Address	Copeton Dam Road
Connection Point: 66kV incoming line aerial terminations on the AGL Copeton substation overhead landing span structure. **AGL Asset Ownership:** AGL Copeton substation infrastructure including incoming 66kV landing span structure and 66kV line connection clamp and dropper cable. **TNSP Asset Ownership:** 66kV incoming overhead line and insulator connected to the AGL incoming overhead line landing span structure.	
NSW Rural Fire Service bushfire prone area assessment: Bushfire Prone Location	

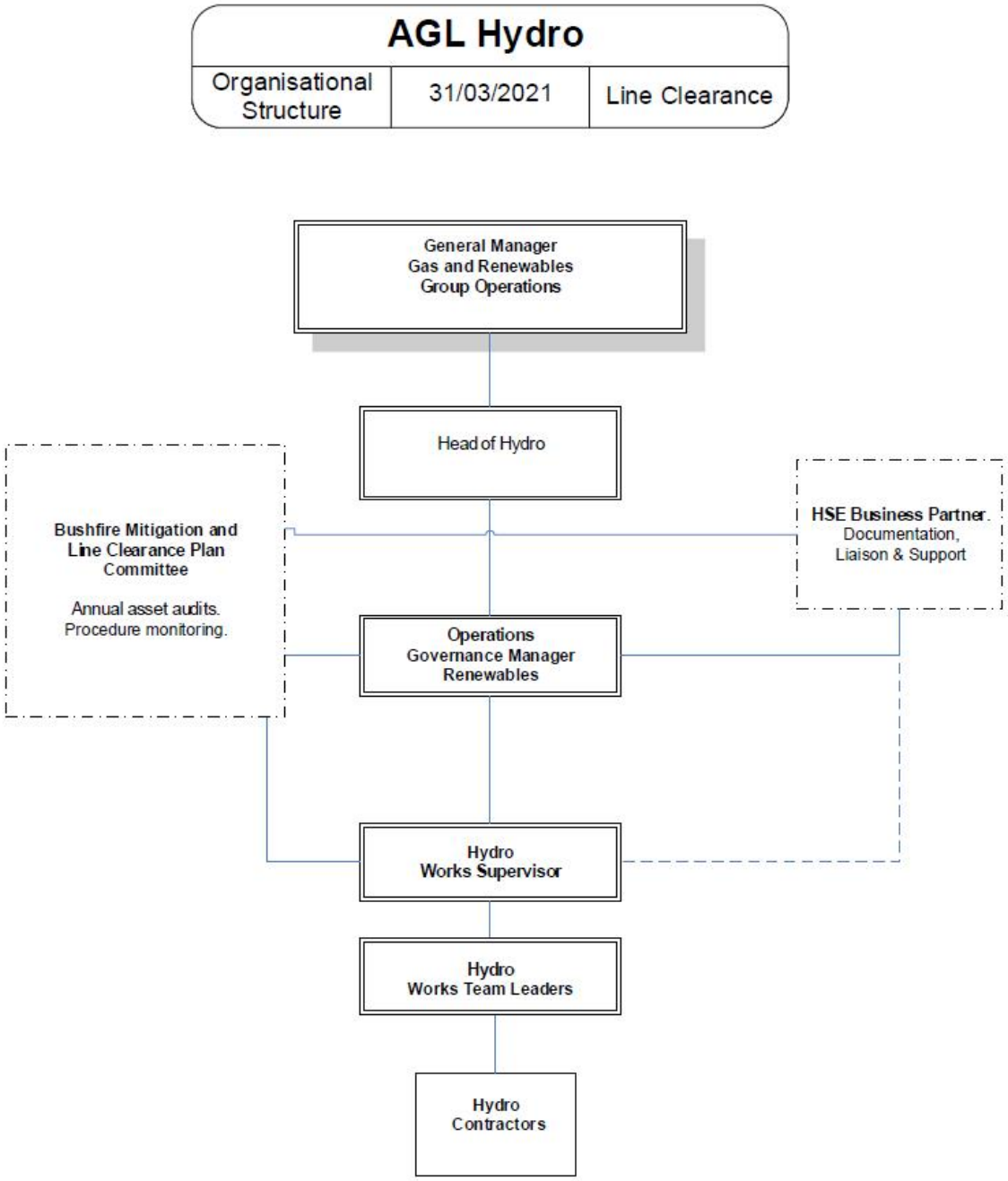
12.9.3. Burrendong Power Station

Address	Burrednong Dam Road
Connection Point: 132kV incoming line aerial terminations on the AGL Burrendong substation overhead landing span structure. **AGL Asset Ownership:** AGL Burrendong substation infrastructure including incoming 132kV landing span structure and 132kV line connection clamp and dropper cable. **TNSP Asset Ownership:** 132kV incoming overhead line and insulator connected to the AGL incoming overhead line landing span structure.	
NSW Rural Fire Service bushfire prone area assessment: Bushfire Prone Location	

12.9.4. Glenbawn Power Station

Address	Glenbawn Dam Road
Connection Point: 33kV incoming line terminations on the AGL Glenbawn rotary air break switch located on the AGL Glenbawn substation overhead landing span structure. **AGL Asset Ownership:** AGL Glenbawn substation infrastructure including incoming 33kV landing span structure. **TNSP Asset Ownership:** 33kV incoming overhead line and insulator (connected to the AGL incoming overhead line landing span structure) and dropper cable to the AGL Glenbawn rotary air break switch.	
NSW Rural Fire Service bushfire prone area assessment: Bushfire Prone Location	

12.11. Line Clearance structure



12.12. Dispute Resolution Policy

How our Complaint Handling and Dispute Resolution Procedure works.

If you have a complaint about any aspect of AGL's service or products, please call us or write to us so that we can resolve your concerns. Our aim is to do this as quickly as we can. On some occasions we'll be able to do this at the time you call. However, more complex problems may need to be looked into further before we can get back to you. If this is the case, we'll try to resolve your complaint within 28 days of your original telephone call or receiving your letter. During this time, if we need further information from you, we'll contact you and you can always call us for an update on how we're going with the resolution.

How to raise your concerns.

By phone.

Please call us on these numbers to discuss any concern you have about AGL's service or products.

Residential customers	**131 245**
Small and medium business customers	**133 835**
Industrial and commercial business customers	**1300 785 739**

By letter.

If you prefer, write to us at the following address with the details of your complaint and we will aim to provide an initial response within two business days of receiving your letter.

AGL Energy
Customer Services
Locked Bag 14120 MCMC
Melbourne VIC 8001

Taking your concern to a higher level.

If you're not happy at any stage with the way we are investigating your concern, you may have your complaint handled at a higher level by the relevant manager. You may request this at any time by calling or writing to us.

Taking your concern to the Ombudsman.

We are a member of the relevant Ombudsman Scheme in the States in which we sell gas or electricity. After attempting to resolve your complaint with us, if you're not satisfied with our efforts you may contact the relevant State Ombudsman to review your complaint and our attempted resolution.

A complaint is an expression of dissatisfaction made to us whereby a resolution or response is expected (either explicitly or implicitly). It may be related to our products, services, policies, procedures or the complaints-handling process.

How to get in touch with your Ombudsman.

ACT

ACT Civil and Administrative Tribunal

Mail: DX5691, GPO Box 370, Canberra ACT 2601
Phone: (02) 6207 7740
Fax: (02) 6205 4855
Email: ACATenergycomplaints@act.gov.au
Web: www.acat.act.gov.au

NSW

Energy and Water Ombudsman NSW

Mail: Replied Paid 86550, Sydney South NSW 1234
Phone: 1800 246 545
Fax: 1800 812 291
Email: omb@ewon.com.au
Web: www.ewon.com.au

Queensland

Energy and Water Ombudsman Queensland

Mail: PO 3640, South Brisbane BC, QLD 4101
Phone: 1800 662 837
Fax: (07) 3087 9477
Email: complaints@ewoq.com.au or info@ewoq.com.au
Web: www.ewoq.com.au

South Australia

Energy Industry Ombudsman SA

Mail: GPO Box 2947, Adelaide SA 5001
Phone: 1800 665 565
Fax: 1800 665 165
Email: contact@ewosa.com.au
Web: www.ewosa.com.au

Victoria

Energy and Water Ombudsman Victoria

Mail: Reply Paid 469, Melbourne VIC 8060
Phone: 1800 500 509
Fax: 1800 500 549
Email: ewovinfo@ewov.com.au
Web: www.ewov.com.au

Dispute Resolution

12.13. Notice of Pruning

NOTICE OF PRUNING OR CLEARING

Electricity Safety (Electric Line Clearance) Regulations (2015)

Dear Sir/Madam

AGL Hydro is aware of the importance of a fire safe Victoria to the public, farmers and industry.

To meet these needs and ensure a fire safe environment, AGL Hydro conducts a Bushfire Mitigation Program. Part of this program is to complete an inspection of our powerlines on public and private lands to identify unsuitable vegetation.

Vegetation has been identified on or near your property that is unsuitable to remain in the vicinity of electric lines

We give you notice that a tree/s*:

On/near* your property require pruning/clearing* to meet the necessary clearance space for the electric line.

Pruning will result in cutting back parts of the tree/s from the clearance space to allow for minimum clearance distance of_____metres plus an allowance for regrowth over the next _____ years.

If you do not contact us within FOURTEEN DAYS from the date of this notice, we will proceed with the necessary pruning works to ensure clearances are maintained during this regrowth period

These pruning works are programmed to be carried out by our contractors or by us on ___/___/___ or within 5 days before or after this date.

If the clearing or pruning of any tree is to be undertaken using a methodology which differs from established practices then we will consult and negotiate with you before works start.

Except for extreme cases, it is the policy of *AGL Hydro* to consult with customers where vegetation maintenance is to be conducted on private property.

Please contact our Responsible Representative Mr_____ on 03_____to make an appointment.

When making an appointment, please quote the following details:

Feeder Name ..... Spur Name .....

Pole Number ..... Negotiation Number .....

Electric Line Hardware – Letter of Intent

Dear Sir/Madam

AGL Hydro is aware of the importance of a fire safe Victoria to the public, farmers and industry.

To meet these needs and ensure a fire safe environment, AGL Hydro conducts a Bushfire Mitigation Program. Part of this program is to complete an inspection of our powerlines on public and private lands to inspect the electric line and associated hardware.

ELECTRIC LINES AND ASSOCIATED HARDWARE HAS BEEN IDENTIFIED ON OR NEAR YOUR PROPERTY AND IS REQUIRED TO BE INSPECTED AND MAINTAINED

This work is programmed to be conducted by our contractor, _____,

on behalf of AGL Hydro. The contractor is certified in accordance with the

Electrical Safety Act to conduct this work.

These works are programmed to be carried out between ____/____/____ and ____/____/____

If you would like further information in regard to the above work please contact our

Responsible Officer on (03) _____to make an appointment with

your area representative, Mr _____.

When making an appointment, please quote the following details.

Electric Line Name _____

Spur Name _____

Pole Number _____

Record of Customer Negotiation

PROPERTY OWNER'S NAME

DATE

PROPERTY ADDRESS

PHONE

FEEDER NAME

SPUR NAME

AREA

MAP No.

CFA MAP No

POLE No

ASSET No

CUSTOMER PRIOR NOTICE YES ☐ NO ☐

NUMBER OF TREES TO BE REMOVED

HERBICIDE TYPE

NUMBER OF TREES TO BE PRUNED

COMPASS

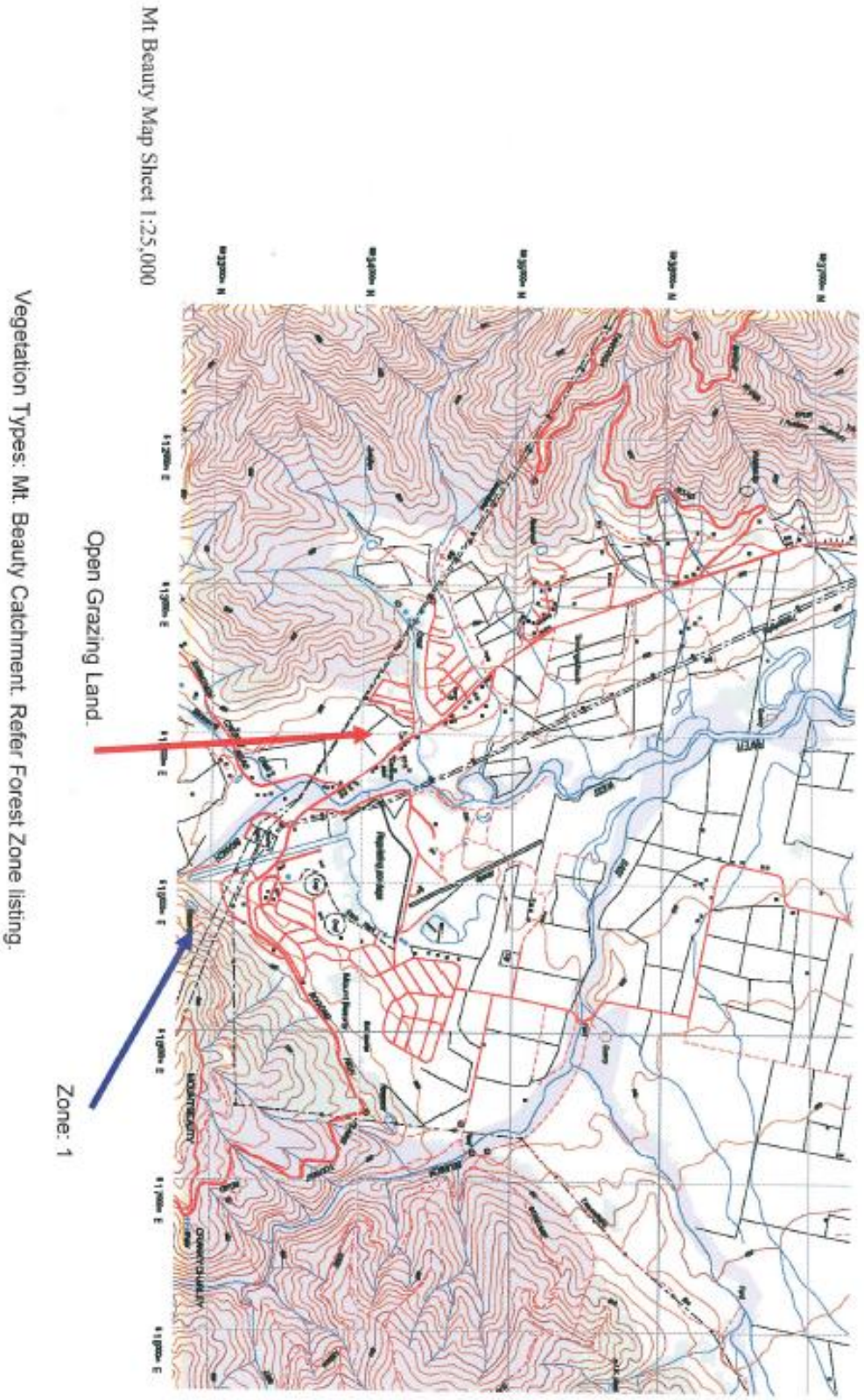
DRAWING ORANGE = RELOCATE BLUE = POWERLINE RED = REMOVAL GREEN = PRUNE

CUSTOMER REQUIREMENTS

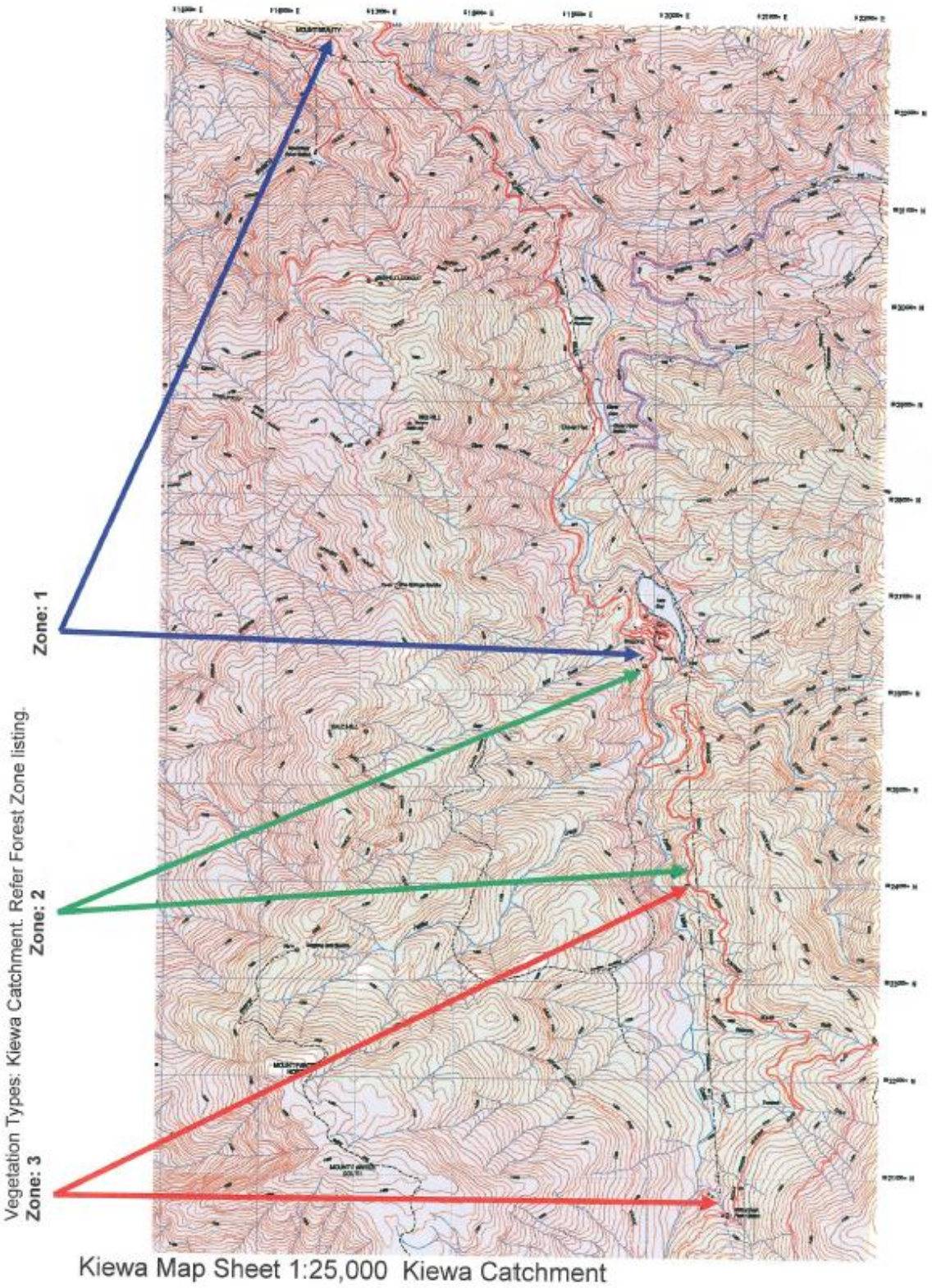
TEAM LEADER

PROPERTY OWNER

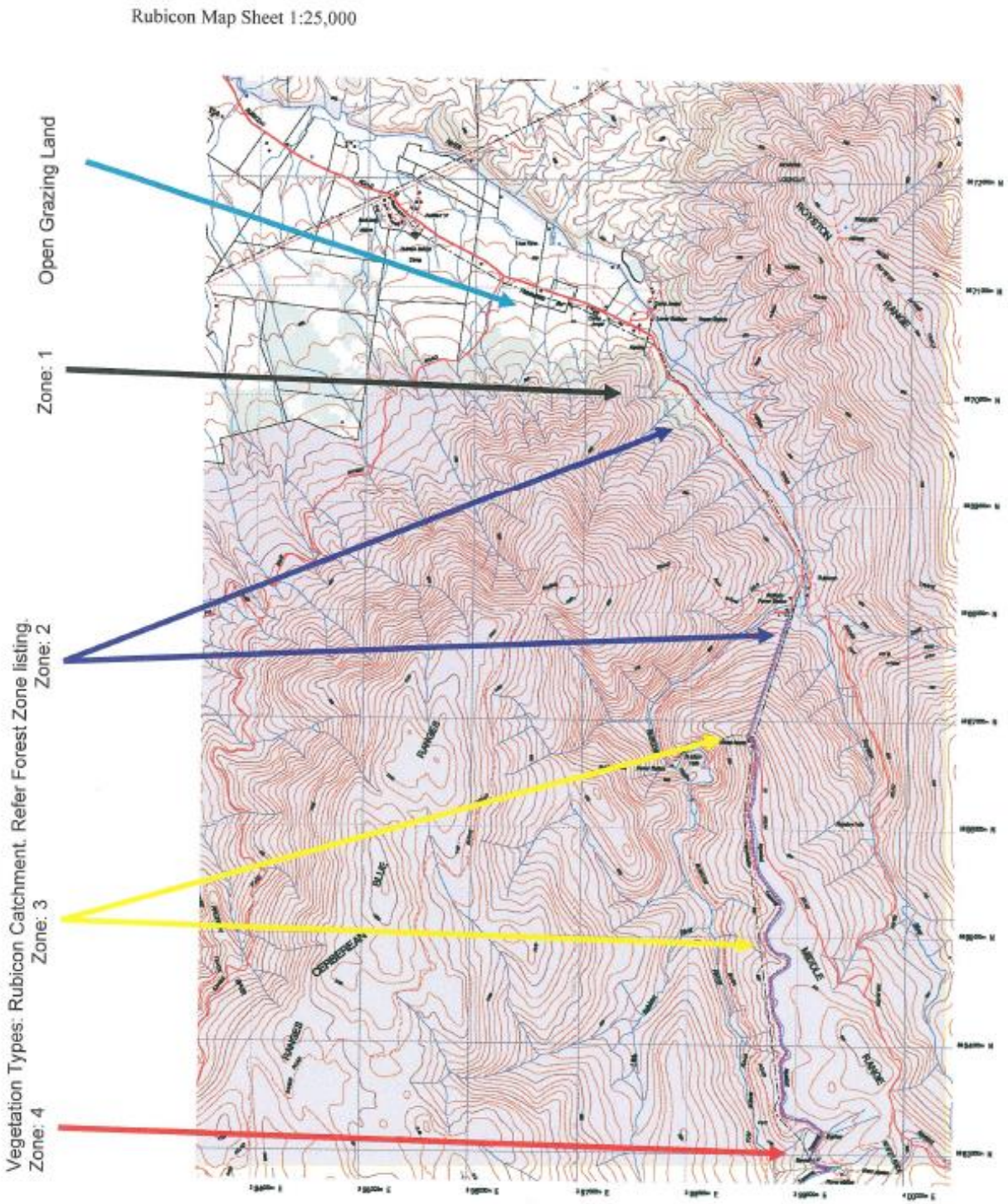
12.14. AGL Hydro Vegetation Types



12.15. Kiewa - Vegetation Types

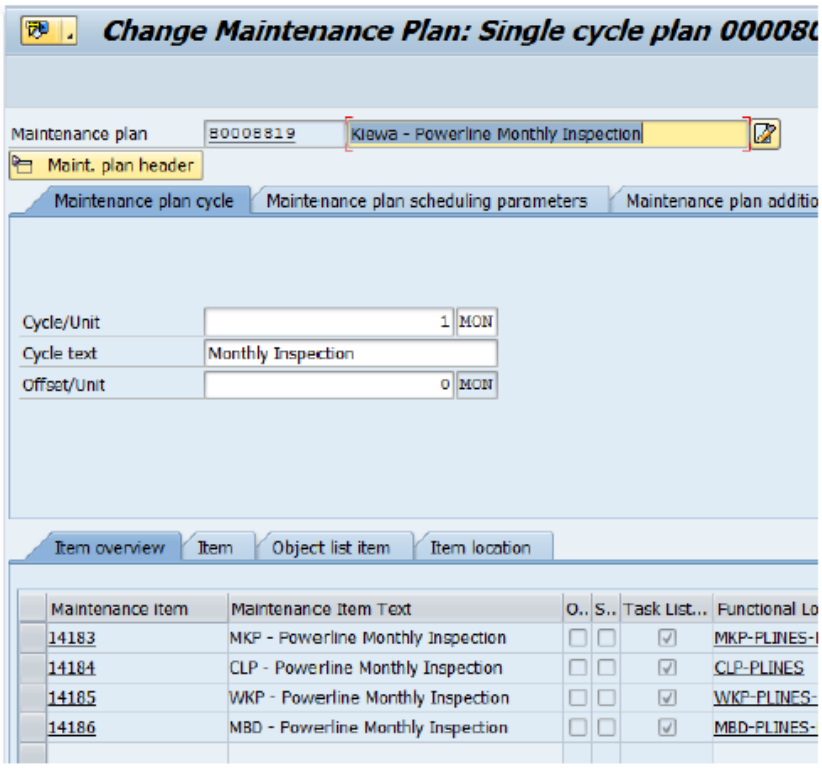


12.16. Rubicon - Vegetation Types

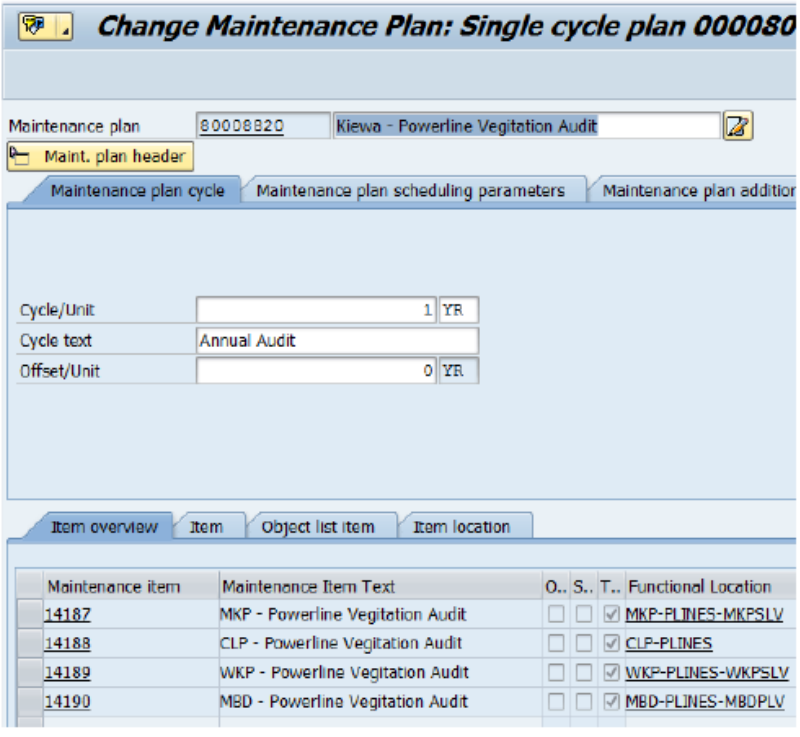


12.17. Works and Audits Schedule

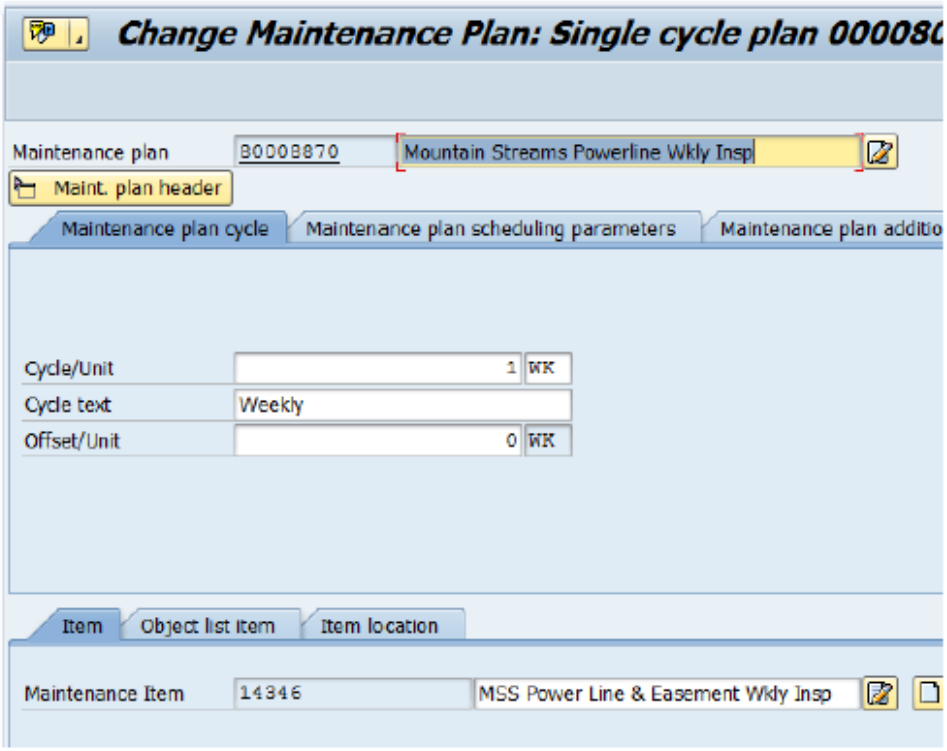
Kiewa - Powerline Monthly Inspection



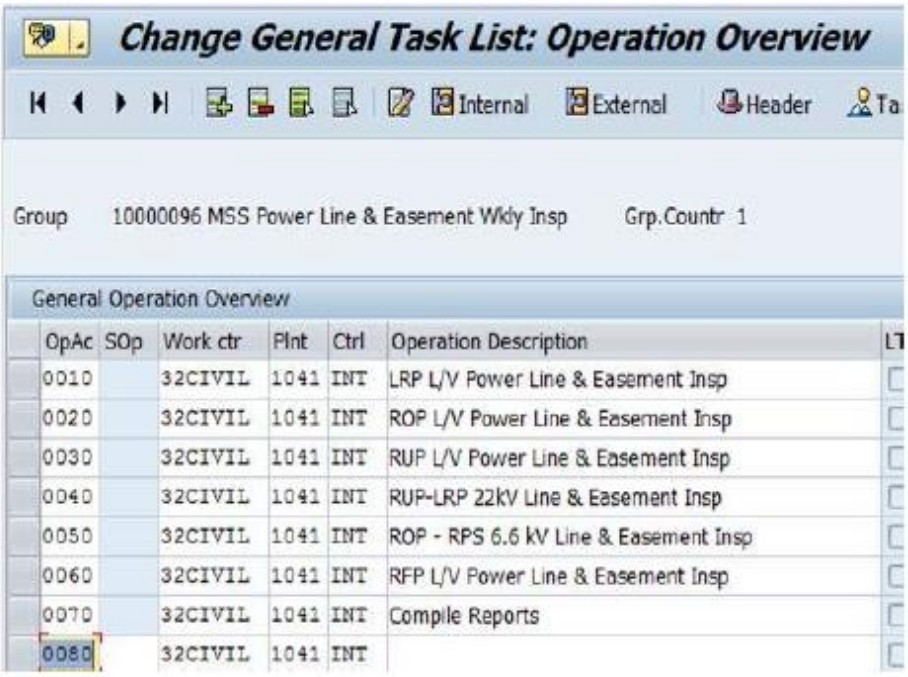
Kiewa - Powerline Vegetation Audit

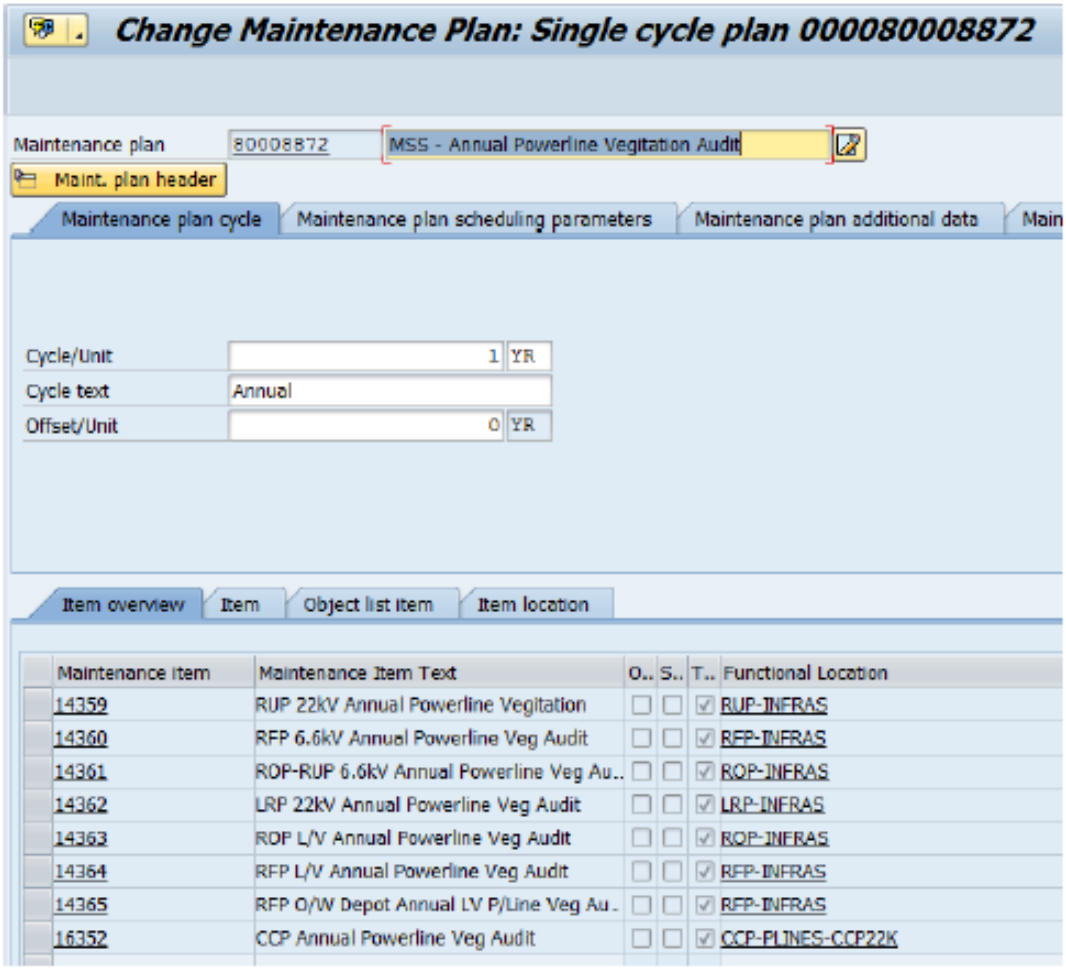


Rubicon Mountain Streams Powerline Wkly Inspection



Rubicon Mountain Streams – Line Easement Inspection Audit




Change Maintenance Plan: Single cycle plan 000080008872
Maintenance plan
80008872
MSS - Annual Powerline Vegitation Audit
Maint. plan header
Maintenance plan cycle
Maintenance plan scheduling parameters
Maintenance plan additional data
Main
Cycle/Unit
1
YR
Cycle text
Annual
Offset/Unit
0
YR
Item overview
Item
Object list item
Item location
Maintenance Item
Maintenance Item Text
O..
S..
T..
Functional Location
14359 RUP 22kV Annual Powerline Vegitation RUP-INFRAS
14360 RFP 6.6kV Annual Powerline Veg Audit RFP-INFRAS
14361 ROP-RUP 6.6kV Annual Powerline Veg Au.. ROP-INFRAS
14362 LRP 22kV Annual Powerline Veg Audit LRP-INFRAS
14363 ROP L/V Annual Powerline Veg Audit ROP-INFRAS
14364 RFP L/V Annual Powerline Veg Audit RFP-INFRAS
14365 RFP O/W Depot Annual LV P/Line Veg Au.. RFP-INFRAS
16352 CCP Annual Powerline Veg Audit CCP-PLINES-CCP22K

13. Referenced Documents / Procedures

Document Number	Document Title
AP MO AD 032	Controlled Document Update Procedure
CF MO AD 01	Maintenance Notification - Corrective Action Request
HI AL SF 02	Emergency Management Plan
HP AL AD 01	Consultation, communication, and dispute resolution
HP AL SF 08	Contractors - Selection, Pre-Qualification and Management
HQ AL SF 09	Use of Personal Protective Equipment (PPE)
HP AL SF 11	Excavations Earthworks and Intrusion
HP AL SF 35	HSE Risk Management Procedure
ML AL AD 00	AGL Hydro Asset Management Plan
SP AL SF 01	Electrical Safety Manual – Hydro
SP AL PE 02	HSE Induction and Authorisation
SP AL RI 01	Electrical Risk Register Procedure
SP AL SA 50	Safe Access Procedures
TP AL HV 01	HV Apparatus Energisation Testing Procedure
AGL-HSE-STD-004.1	AGL HSE Risk Management Standard
AGL-HSE-SDM-004.1	AGL HSE Risk Management Standard Methodologies
AGL-HSE-TMP-004.1	AGL HSE Risk Management Standard Procedure Template
AGL-HSE-GUI-012.1	AGL Obligations to Notify Regulatory Authorities - Guideline
AGL-HSE-PRO-012.1	AGL HSE Incident, Near Miss and Hazard Management Procedure
AGL-HSE-PRO-012.3	AGL HSE Corporate Reporting Procedure
AGL-HSE-STD-012	AGL HSE Incident, Near Miss and Hazard Management Standard