



**L2-INF-PLA-001**

# **ELECTRIC LINE CLEARANCE PLAN 2015-2016**




**Version: 6**

**Issued: 27 March 2015**

**Owner:** Head of Infrastructure Delivery



### Approval

	Name	Position	Signature
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Approving Manager	Frank Fullick	Head of Infrastructure	

### Amendment Record

Approval Date	Version	Description
20/04/2010	1	First Issue under MTM. Previous MainCo document No. AM-MAINCO-00039
02/08/2012	2	ESV Clauses added
30/03/2013	3	First Issue under MTM.
28/03/2014	4	Revision: MTM Divisional accountability changes.
10/09/2014	5	Revision: Changes identified during ESV and MTM review 2014.
27/03/2015	6	2015-16 Interim Plan pending ELC regulations 2015 release. Regulations 2010 expire on 29 June 2015.

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## 1. Executive Summary

The Electric Line Clearance Management Plan (the Plan), has been prepared for the purposes of compliance to the Electricity Safety (Electric Line Clearance) Regulations 2010 (Vic) and to inform stakeholders of the asset management approach, processes and strategies adopted for line clearance management.

This Plan is based on compliance to the Electricity Safety (Electric Line Clearance) Regulations 2010 which will expire on the 29 June 2015, this Plan will be reviewed in June 2015 to address changes introduced in the 2015 Regulations.

Each year a significant effort is dedicated to vegetation control in the rail reserve, the two primary aims being to mitigate disruption to the movement of trains in the rail corridor (train running envelope and signal sighting issues) and to maintain electric line clearance (main focus on the 1500V DC lines). This Plan aims to mitigate damage to all electrical assets, both within and outside of the rail corridor, and the subsequent potential of both safety and bushfire risk.

The main Divisional accountabilities being introduced to achieve compliance to the Electric Line Clearance Regulations involve:-

### MTM's Infrastructure Delivery Responsibilities:-

Before 31 March in each year, ensure that a management plan relating to compliance with the code for the next financial year is prepared, including:-

- a tree clearance program to safely create and maintain the required clearance space around power lines in accordance with requirements of Table 1, 2 and 3 of the schedule (Code of Practice for Electric Line Clearance).
- Management of procedures for standards and practices to be adopted and observed in tree cutting or removal in the vicinity of electric lines and the keeping of the whole or any part of a tree clear of electric lines; 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.
- Provide further information in respect of the management plan on request within 14 days or such longer period as specified by Energy Safe Victoria.
- Amend the management plan when instructed to do so by Energy Safe Victoria within 14 days or such longer period as specified by Energy Safe Victoria.

### MTM's Electrical Network Asset Management Responsibilities:-

- Management procedures to minimise danger of electric lines causing fire or electrocution
- Identify priorities for vegetation clearance programmes based on electrical asset risk with a priority focus on high voltage (22kV) assets and a progressive risk-based focus on low voltage Electrical Assets (1500 V DC). Other matters for or with respect to the maintenance of electric lines.

Deliver of the Bushfire Mitigation plan is a key Electrical Safety Management Scheme commitment.

## 2. Purpose

The following are identified as the key objectives of this plan in fulfilling our stated mission and the duties set out in the Electricity Safety (Electric Line Clearance) Regulations 2010:

- Public Safety;
- Provision of a safe working place for employees and contractors;
- Community satisfaction with the manner in which the necessary works are carried out
- Compliance with the Electrical Regulations 2010
- Continuity of electricity supply
- Minimise fire starts

## 3. Scope

The objective of this plan is to ensure that Regulations are met with regards to all Electric Line Clearance to all vegetation for which MTM is responsible, including third party power lines.

## 4. Abbreviations and Acronyms

None

## 5. Definitions

**MTM** Metro Trains Melbourne

**Plan** Electric Line Clearance [Vegetation] Management Plan.

**Vemco** Vegetation Management Company: Specialist external company responsible for the management, co-ordination and supervision of all work associated with the Metro Vegetation Management Program, currently Vemco Group Pty Ltd

## 6. Management Plan Particulars

The following sections are as per Regulation 9(3).

### (a) Name, Address and Telephone Number of the Responsible Person.

Name of Head of Infrastructure:	Frank Fullick
Name (of Organisation):	Metro Trains Melbourne
Address:	Gate E, Footscray Rd, West Melb. Vic. 3004
Organisation Telephone No.	9610 5779

**(b) Name, Position, Address and Telephone Number of the Person who was responsible for the preparation of the Plan.**

Name: Bill Eastoe  
 Position: Senior Electrical Networks Engineer  
 Business Address: Level 27 80 Collins Street Melbourne VIC 3000  
 Telephone No: 9610 5573

**(c) Name, position, address and telephone number of the persons who are responsible for carrying out the plan.**

Name(s): Katrina Lewis  
 Position(s): Tree Clearing & Conformance Officer  
 Business Address: Gate E, Footscray Rd, West Melb. Vic. 3004  
 Telephone No: 03 9619 7121  
 Mobile: 0405 506 488

**(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;**

Name: Electrol  
 Emergency Contact No: 9610 5999


## 7. Objectives

The objectives of the Electric Line Clearance Plan is to achieve the mitigation of fire danger arising from the specified operator's at-risk electric lines, the following are identified as the key objectives of this plan:

- Public Safety;
- Safety of employees and contractors;
- Minimization of ignition and spread of fire from at-risk electric lines;
- Compliance with relevant legislation both environmental and electricity safety
- Continuity of electricity supply
- Community satisfaction with the manner in which the necessary works are carried out
- Monitoring and continuous improvement of bushfire risk mitigation

## 8. Environmental Application of Management Plan

Where practicable, pruning may be undertaken using elevated work platforms or other similar methods in an effort to minimise overall site damage. MTM will as far as practicable, restrict cutting or removal of native trees of cultural or environmental significance to the minimum extent necessary to ensure compliance with the requirements of the code, the schedule to the code or to make an unsafe situation safe.

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It is assumed that no mineral (earth) disturbance will take place as part of MTM'S vegetation cutting program. In the event of such works being required, MTM will conduct a specific site assessment to consider the impact such works may have on the asset. Where relevant MTM will recommend mitigation measures to reduce the impact of the works on the asset. These recommendations will be implemented on a case by case basis.

The location of areas containing trees which may need to be cut or removed to ensure compliance with the Code and that are –

(i) native; refer :

**Appendix 1** List of locations and their Dominant Species

**Appendix 2** The land to which the management plan applies – System Dominant Vegetation.

- (ii) listed in a Planning Scheme to be of ecological, historical or aesthetic. Vemco on behalf of MTM will liaise with Municipalities to identify any trees contained within Planning Schemes and are deemed to be of ecological, historical or aesthetically significance to add to the MTM Network Protected Flora Site register L4-SQE-INF-010. This will be undertaken through an annual request of authorities to provide special data of significant vegetation that may impact MTM assets.
- (iii) trees of cultural or environmental significance, will be included in the Metro Network Protected Flora Sites - map and register, if they are significant for either cultural or ecological reasons.

**Tree of cultural or environmental significance** means a tree that is—

- (a) included in the Heritage Register within the meaning of the **Heritage Act 1995**; or
- (b) included in the Victorian Aboriginal Heritage Register established under section 144 of the **Aboriginal Heritage Act 2006**; or
- (c) flora or a habitat of fauna listed as threatened in accordance with section 10 of the **Flora and Fauna Guarantee Act 1988**; or
- (d) flora listed in the Threatened Flora List with a conservation status in Victoria of "endangered" or "vulnerable"; or
- (e) a habitat of fauna which is—
- (i) listed in the Threatened Invertebrate Fauna List with a conservation status in Victoria of "vulnerable", "endangered" or "critically endangered"; or
- (ii) listed in the Threatened Vertebrate Fauna List with a conservation status in Victoria of "vulnerable", "endangered" or "critically endangered".

The Vemco on behalf of Metro shall consult with those responsible for important trees prior to commencement of works to determine the most effective way of protecting affected trees by restricting the cutting or removal of native trees and cultural or environmentally significant trees to the minimum extent necessary.

In the event that important trees require cutting or removal, appropriate advice may be obtained from a qualified Arborist or horticulturist and suitably qualified and experienced professionals in the field of fauna identification and relocation.

## 9. Management Procedures for Electric Line Clearance

MTM's strategy is to maintain clearances of trees to electric lines as per the Electricity Safety (Electric Line Clearance) Regulations 2010, and to carry out regular inspections and pruning cycles as set out in this plan and the Vegetation Management Plan 2013-14, Appendix 10: Tree Management Procedure, L2-INF-PLA-004.

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The method proposed to be adopted by MTM shall be the use of qualified, proficient and competent Arborists to maintain the clearances as per the pruning cycle detailed in this plan and the Tree Management Plan, L2-INF-PRO-004.

When emergency pruning is required, MTM's staff will perform the minimal pruning, in order to allow the safe running of trains, in accordance with company procedures and the Electricity Safety (Electric Line Clearance) Regulations 2010. The engagement of a qualified Arborist will follow as soon as practicable after the emergency exercise, to make sure that the vegetation are pruned to the standards covered by this Electric Line Clearance Management Plan

## 10. Performance Measures

MTM will use the following measures to assess its performance in delivering and adhering to the processes and procedures outlined in the Management Plan:

- The number of trees found in breach of the Code during the annual survey.
- The number of trees cleared to each pruning cycle and the average pruning cycle.
- The number of pruned trees found to be below AS 4373-2007.
- The number of requests for electric line clearance pruning from electricity Distribution Company.
- The number of community complaints.
- The number of business cases developed for alternative approaches to normal pruning.

## 11. Management Plan Audits

MTM's vegetation management contractor Vemco will undertake internal inspections of works completed. To ensure that requirements outlined in this Electric line Clearance Plan are being met and non-conformity with the Code is identified and promptly resolved Metro will introduce a program of Management system Audits in 2014/15. As part of these audits, the Officer will record matters listed above (section 10) and document/discuss any issues or non-conformances at the appropriate meetings which may include MTM's Operational Meetings and Management Meetings. MTM may also utilise its Quality Monitoring System (QMS) and associated processes where relevant.

Where remedial action is required, a works request will be issued to MTM's contractor, for programming in line with the jobs prioritisation timeframes (P1, P2 or P3). Where assistance is required by others such as the distribution company, then a consultation process shall be used to assist in attending to the non-compliance as soon as possible.

Following investigation of the non-compliance and the establishment of the cause, the importance of compliance with the management plan and the code will be drawn to the attention of the persons concerned.

- On the first occasion they will be given verbal instruction and the incident recorded on file.
- If a second occasion occurs the notification shall be in writing, and the incident recorded on file.
- After a third occasion, the training program will be reviewed and more serious action considered if it is the same offender.

MTM's vegetation contractor will observe and record the rate of growth of species under the growing conditions, which prevail in the rail corridors and associated MTM land parcels and apply these observations when determining the extent and frequency of pruning.



During the inspection of the declared HBRA areas, which will be undertaken every year, (Inspections in non declared areas, inspections frequencies are currently less than 3 years), areas adjacent to the clearance space or regrowth space will also be inspected for trees which could become a hazard under adverse weather conditions, which could prevail in the area. The contractor will do inspections prior to pruning and also inspect any trees which could affect lines as part of the existing reactive program.

As part of the annual audit MTM will identify vegetation infringing on the clearance space within the declared area's in addition to any non-conformances. Hazards outside the clearance and regrowth spaces that may require assessment and correction will also be identified. Note: For the purpose of this Plan, a hazard tree is a tree that possesses hazardous faults which if not actioned, will negatively impact distribution or MTM assets.

These trees may possess characteristics such as large cavities, severe decay, major cracks etc.

As part of the inspection of MTM's lines, the amount of clearance achieved during pruning is assessed to determine its suitability to achieve a 2 year clearance.

## 12. Qualifications and Current Legislation

MTM shall where practical, ensure trees are pruned according to AS 4373-2007 Pruning of Amenity Trees. They shall further ensure that all contractors and employees are appropriately qualified and trained and holding appropriate certificates for both themselves and their equipment that legally entitles them to undertake the work. A record of the sighting of these documents shall be kept by MTM and shall be updated annually.

The qualifications required by MTM are identified below and must include the satisfactory completion of an ESV approved training course in tree clearing, specifically a current Limits of Approach (UETTDREL04B – 'Working Safely Near Live Electrical Apparatus as a Non Electrical Worker) qualification or equivalent.

All contractors engaged by MTM are required to meet the minimum qualification outlined under the VESI qualifications based on function (i.e. ground crew, auditor general or EWP cutter) as well as completion of enrolment in the Certificate II ESI/Vegetation Control.

MTM's Contractors must also follow the minimum distances specified in the Electricity Safety (Installation) Regulations 2009 (specifically outlined in regulation 318 and 319) when undertaking tree clearing works and comply with the limits of approach. Notification of affected parties will also be undertaken as per the requirements of the code.

MTM does not require persons undertaking tree cutting works to have a minimum level of experience in order to undertake the work. As long as individuals have the required training and operate to the training and safety standards outlined in the required training and within the Regulations, a minimum level of experience is not required by MTM.

The exception to this is in a situation where a tree that is likely to fall onto or otherwise come into contact with an electric line is identified. In this situation the tree will be assessed by a suitably qualified arborist who holds a qualification of National Certificate Level IV in Horticulture and Arboriculture (including the "Assess Trees" module), or an equivalent qualification and at least three years of field experience in assessing trees. The assessment will take into account foreseeable local conditions and consider the classification of the tree. Based on the Arborist's assessment and recommendations, the hazard tree will be actioned in compliance with the Code.

MTM's Contract Superintendent and/or representative shall inspect the work carried out by the contractor throughout the period that active pruning is taking place. A record of these inspections shall be kept, citing any evidence of sub-standard pruning practice and filed at the MTM office as per the Code.

The persons carrying out the pruning shall be Qualified, Proficient and competent Arborists. In addition they should have the following;

- Chipper operations certificate
- Chainsaw Operations certificate
- WP certificate
- OH&S
- Relevant insurances as per MTM internal documents
- Safety in The Field (Rail) Qualification (Minimum)

Refer to the Vegetation Management Plan 2012-13, Appendix 10: Tree Management Procedure, L2-INF-PLA-004 for further information.

### 13. Notice and Consultation

MTM will ensure adequate notice is given to affected persons in regards to programmed line clearance or rail corridor works. Affected person, in relation to the cutting or removal of a tree on land, means an owner or occupier (including a person who is responsible for the management of public land) of adjacent land where the cutting or removal will affect the use of that adjacent land.

In addition to affected person potential Stakeholders for consideration:-

- Municipal Councils
- V/Line and VicTrack
- Heritage Victoria
- Department of Environment and Primary Industries
- Electrical Distribution Authorities

Notification of MTM's program of works will be undertaken in accordance with the Electricity Safety (Electric Line Clearance) Regulations 2010 and in line with MTM's customer liaison Department policy. Where MTM intends to cut or remove a tree that is on public land or within the boundary of a private property, which the responsible person neither occupies nor owns, or where the tree is of cultural or environmental significance MTM as the responsible person will give notice of the intended cutting or removal to all affected persons in accordance with the regulations.

Prior to the commencement of programmed works, notice will be given via the issuing of an Information Flyer to affected persons residences (as per MTM communications Department documentation) or by publication in a newspaper circulating generally in the locality of the land in which the tree is to be cut or removed at least 5 days and no more than 60 days before the intended works.

Where the tree intended for cutting or removal is a tree of cultural or environmental significance, notice will include the impact of the cutting or removal of the tree and the actions to be taken to minimise that impact. Where the tree is within the boundary of a private property, MTM will where relevant consult with the occupier or owner of the property.

By maintaining the annual inspection and cutting program and allowing for growth of individual species, no urgent pruning or clearing should be required. In the case of urgent cutting or removal being required, MTM will ensure that the process identified under "Emergency Cutting and Pruning" is followed, in accordance with the requirements of the Code.

## 14. Records of Urgent Cutting or Removal of Trees

As part of the notification process the recording of information pertaining to that notification is maintained with MTM. This information includes a visual representation of properties issued with notices along with any supplementary documentation associated with the notification. All complaints are maintained within the MTM Customer information system providing data on enquiries including, volume of complaints customer follow up and response times service enquiries and urgent response.

## 15. Emergency Cutting and Pruning

MTM maintains an internal 24hour reactive/emergency service that is available to undertake emergency work including cutting and pruning activities on MTM managed assets/trees in the following situations:

- where a tree is identified as encroaching the asset or clearance space due to unanticipated growth;
- as a result of a tree falling or becoming damaged so that it requires cutting or removal to maintain the required clearance space; or
- Where a tree has been assessed by a suitably qualified arborist and confirmed to have an imminent likelihood of contacting the electric lines having regard to foreseeable local conditions.

After undertaking emergency cutting or removal in accordance with the regulations, MTM will as appropriate and as soon as practicable after completion of the works, give notice to all affected persons; occupiers of the land on which the tree was cut or removed and where appropriate, the owner of the land on which the tree was removed.

As part of such works, MTM will record where and when the cutting or removal was undertaken, identify why the cutting/removal was required and record when the last inspection of the tree occurred. All records will be filed at the MTM's office and kept for a minimum of 5 years.

MTM's will undertake its urgent works in accordance with the Regulations and not remove or cut any more than one (1) metre from the minimum clearance space around the electric line. Ongoing monitoring by visual assessment of the regrowth rates of MTM's trees growing under powerlines will be undertaken to ensure continued compliance.

### 15.1 Notified Work Required/Conducted

Locations notified by the distribution company or any other interested party as requiring attention to maintain powerline clearance, which is the responsibility of MTM will be assessed by MTM's Officer or vegetation contractor as soon as practical following receipt of the notice. MTM note that they will require the assistance of Distribution Companies from time to time to facilitate the clearing of trees from energised assets and assumes this assistance will be provide as required.

### 15.2 Hazard Trees

In a situation where MTM identifies a tree that is likely to fall onto or otherwise come into contact with an electric line or MTM asset, MTM will assess the tree using a suitably qualified arborist who holds the qualification of National Certificate Level IV in Horticulture and Arboriculture, including the "Assess Trees" module, or an equivalent qualification and at least three years of field experience in assessing trees.

In situations where the arborist's assessment confirms the likelihood of contact with the electric line having regard to foreseeable local conditions including weather and ground instability, Council will remove or cut the hazard tree as per the Code. In the event of a hazard tree being identified as a culturally significant, environmentally significant or habitat tree, Council will where possible minimise the impact on the tree or fauna as previously outlined, to ensure compliance with the requirements of the code, the schedule to the code or to make an unsafe situation safe.

## 16. Dispute Resolution

For the purposes of this plan, a dispute is a situation where the normal processes of consultation and negotiation relating to trees affected by powerlines fail to provide a satisfactory result. If a dispute arises between the responsible person for carrying out the plan and a member of the public, MTM will initiate its internal dispute resolution procedure if the dispute is not resolved by this method, the dispute will be referred in writing to the Rail Industry Ombudsman (Victoria Ltd) or an alternative dispute resolution entity.

## 17. Management Plan Availability

Availability Details:-

MTM Trains Melbourne Office

Level 24, 1 Spring St, Melbourne, 3000

PO Box 12897, A'Beckett Street Vic. 8006

Office Hours 9:00 am -5:00 PM Mon- Fri: excluding public holidays

## 18. References and Legislation

Electricity Safety Act 1998

Electricity Safety (Bushfire Mitigation) Regulations 2013

Electricity Safety (Electric Line Clearance) Regulations 2010

## 19. Related Documents

MTM Vegetation Management Plan 2012-13, L2-INF-PLA-004.

MTM Bushfire Mitigation Plan 2013-14, L2-INF-PLA-003).

MTM Network Protected Flora Sites 2013/14 - L4-SQE-INF-010

## 20. Exemption

Energy Safe Victoria may exempt a responsible person from any of the requirements of these Regulations subject to any conditions specified by Energy Safe Victoria.

MTM will seek exemption from the Electric Line Clearance Regulations for significant stands of trees overhanging low voltage (1500V DC) in HBRA's MTM is currently working through transition strategy to ensure compliance to the standards defined in the Electric Line Clearance Regulations and the Bushfire Mitigation Regulations. MTM will provide Energy Safe Victoria a regular status and program of achieving compliance and associated risk management strategies.

**21. Availability of MTM 's Electric Line Clearance Plan**

Availability Details:-

MTM Trains Melbourne Office

Level 24, 1 Spring St, Melbourne, 3000

PO Box 12897, A'Beckett Street Vic. 8006

Office Hours 9:00 am -5:00 PM Mon- Fri: excluding public holidays

MTM 's Internet Site [www.Metrotrains.com.au](http://www.Metrotrains.com.au)

Availability of Bushfire Mitigation Plan

For the purposes of compliance to accreditation Electrical Safety Act, MTM's Bushfire Mitigation Plan and Electrical Line Clearance Plan is to be made publically available upon request. To request a copy of the Plan, please call +61 3 9610 2400.

**22. References and Legislation**

Electricity Safety Act 1998

Electricity Safety (Bushfire Mitigation) Regulations 2013

Electricity Safety (Electric Line Clearance) Regulations 2010

**23. Appendices**

Appendix 1 - Prescribed Particulars of Electric Line Clearance Plan

Appendix 2 - Table below: List of locations and their Dominant Species

Appendix 3 - The land to which the management plan applies – System Description Dominant Vegetation

Appendix 4 - MTM Rail network showing Hazardous Bushfire Risk Areas

## Appendix 1 – Prescribed Particulars of Electric Line Clearance Plan

No.	Regulation 9	Requirements <b>Electrical Safety (Electric Line Clearance) Regulations 2010</b>	MTM Reference Document
1	(1)	This regulation does not apply to a responsible person referred to in section 84(2) of the Act.	N/A
2	(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.	Section 1 Page 4
3	(3)	A responsible person must ensure that a management plan prepared under sub regulation (2) specifies the following –	
4	(3)(a)	the name, position, address and telephone number of the responsible person;	Section 6a Page 5
5	(3)(b)	the name, position, address and telephone number of the individual who is responsible for the preparation of the plan	Section 6b Page 6
6	(3)(c)	Name, position, address and telephone number of the persons who are responsible for carrying out the plan.	Section 6c Page 6
7	(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;	Section 6d Page 6
8	(3)(e)	the objectives of the management plan	Section 7 Page 6/7
9	(3)(f)	the land to which the management plan applies by the inclusion of a map;  Appendix 4: MTM Electrical Networks Information Sheet Overhead Wiring TMP Zone Map – includes Boundary of HBRA and LBRA as identified by the CFA in 2013.	Appendix 4 Page 21

No.	Regulation 9	Requirements <b>Electrical Safety (Electric Line Clearance) Regulations 2010</b>	MTM Reference Document
10 a	(3)(g)	<p>The location of areas containing trees which may need to be cut or removed to ensure compliance with the Code and that are;</p> <ul style="list-style-type: none"> <li>(i) native; or</li> <li>(ii) listed in a Planning Scheme to be of ecological, historical or aesthetic significance;</li> <li>(iii) trees of cultural or environmental significance</li> </ul>	Section 8 Page/s 7/8
10 b	(3)(h)	the means which the responsible person is required to use to identify a tree specified in paragraph (g);	Section 8 Page/s 7/8
11	(3)(i)	<p>the management procedures that the responsible person is required to adopt to ensure compliance with the Code, which must include details of the methods proposed to be adopted for –</p> <ul style="list-style-type: none"> <li>(i) managing trees; and</li> <li>(ii) maintaining the clearance space required by the Code, between electric lines and trees</li> </ul>	Section 9 Page 8
12	(3)(j)	a description of measures that must be used to assess the performance of the responsible person under the management plan.	Section 10 Page 8
13	(3)(k)	details of the audit processes that must be used to determine the responsible person's compliance with the Code;	Section 11 Page/s 8/9
14	(3)(l)	The qualifications and experience that the responsible person must require of the persons who are to carry out the cutting or removal of trees.	Section 12 Page/s 9/10
15	(4)	A responsible person that is a major electricity company must before 31 March in each year, submit the management plan to Energy Safe Victoria for approval.	NA
16	(5)	A responsible person must provide a copy of the management plan to Energy Safe Victoria on request within 14 days or such longer period as specified by Energy Safe Victoria.	Reference only
17	(6)	A responsible person must provide further information in respect of the management plan on request within 14 days or such longer period as specified by Energy Safe Victoria.	Reference only

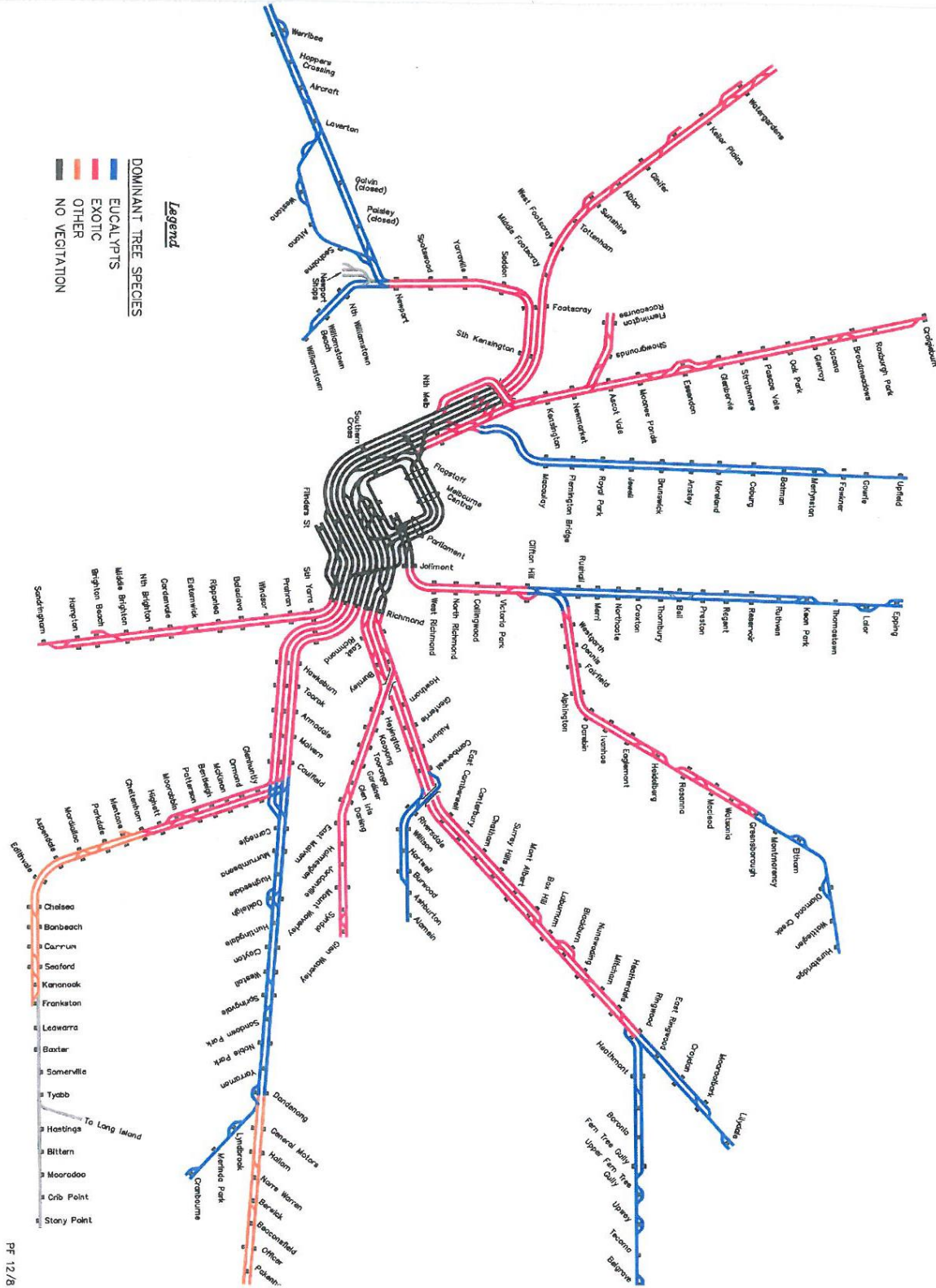


18	(7)	A responsible person must amend the management plan when instructed to do so by Energy Safe Victoria within 14 days or such longer period as specified by Energy Safe Victoria.	Reference only
<b>No.</b>	<b>Regulation 9</b>	<b>Requirements Electrical Safety (Electric Line Clearance) Regulations 2010</b>	<b>MTM Reference Document</b>
19	(8)	A responsible person must not contravene a requirement of a management plan approved by Energy Safe Victoria.	Reference only
20	(9)	A responsible person must 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.	Reference only
21	(10)	Energy Safe Victoria may exempt a responsible person from any of the requirements of these Regulations subject to any conditions specified by Energy Safe Victoria.	Section 20 Page 13
	<b>Reference</b>	<b>Requirements Electrical Safety (Electric Line Clearance) Regulations 2010 Code of Practice</b>	
22	5(2)	a responsible person who, in order to maintain the required clearance space around an electric line, intends to cut or remove a tree... Subject to clause 6, must give notice of the intended cutting or removal to all affected persons	Section 13 Page/s 10/11
23	6(4)	A responsible person that has undertaken any urgent cutting or removal in accordance with this clause must record.	Section/s 14/15 Page 11/12
24	6(6)	A responsible person that undertakes urgent work referred to in subclause (2)(a) or (2)(d) must not remove or cut trees further than 1 metre from the minimum clearance space around the electric line	Section 15 Page/s 11/12
25	9	A responsible person must establish procedures to be followed for the independent resolution of disputes relating to electric line clearance	Section 16 Page 12

**Appendix 2 – Table below: List of locations and their Dominant Species**

<b>Dominant Tree Species in the Metropolitan Rail System</b>		
<b>LINE</b>	<b>LOCATION</b>	<b>DOMINANT SPECIES</b>
Werribee	Footscray - Newport	Exotic
	Newport - Werribee	Eucalypts
Williamstown	Newport - Williamstown	Eucalypts
Watergardens	Southern Cross - Watergardens	Exotic
Craigieburn	North Melbourne - Craigieburn	Exotic
Upfield	North Melbourne - Upfield	Eucalypts
Epping	Flinders St - Clifton Hill	Exotic
	Clifton Hill - Epping	Eucalypts
Hurstbridge	Clifton Hill - Greensborough	Exotic
	Greensborough - Hurstbridge	Eucalypts
Lilydale	Richmond - Ringwood	Exotic
	Ringwood - Lilydale	Eucalypts
Belgrave	Ringwood - Belgrave	Eucalypts
Alamein	Camberwell - Alamein	Eucalypts
Glen Waverley	Burnley - Glen Waverley	Exotic
Pakenham	Richmond - Caulfield	Exotic
	Caulfield - Dandenong	Eucalypts
	Dandenong - Pakenham	Acacia
Cranbourne	Dandenong - Cranbourne	Eucalypts
Frankston	Caulfield - Cheltenham	Exotic
	Cheltenham - Frankston	Banksia
Sandringham	Richmond - Sandringham	Exotic
Prepared in conjunction with G.Crockett & Land management Systems. July 2007		

## Appendix 3 - The land to which the management plan applies – System Description Dominant Vegetation



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## Appendix 4 - MTM Rail network showing Hazardous Bushfire Risk Areas.

The boundary of HBRA and LBRA is defined by the CFA in the area map is identified to the nearest Rail station that covers the area.

