



**CITY OF GREATER DANDENONG**  
**Electric Line Clearance Management Plan**  
**2022–2023**



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## Definitions

Abbreviation	Explanation
<b>Act</b>	<i>Electrical Safety Act 1998</i>
<b>CFA</b>	Country Fire Authority
<b>Code</b>	Code of Practice for Electric Line Clearance as defined in the Schedule of the Electricity Safety (Electric Line Clearance) Regulations 2020
<b>Conductor</b>	Overhead powerline
<b>Declared area</b>	The area of the municipality where vegetation management around powerlines is the responsibility of City of Greater Dandenong
<b>DELWP</b>	<a href="#">Department of Environment, Land, Water and Planning</a>
<b>ESV</b>	Energy Safe Victoria
<b>HV</b>	High voltage (22,000volts – 66,000 volts)
<b>LBRA</b>	<b>Low Bushfire Risk Area</b> - An area that a fire control authority has assigned a fire hazard rating of “low” under section 80 of the Act; or an urban area
<b>HBRA</b>	<b>Hazardous Bushfire Risk Area</b> - An area that a fire control authority has assigned a fire hazard rating of “high” under section 80 of the Act
<b>LV</b>	Low voltage (240volts)
<b>Plan</b>	City of Greater Dandenong Electric Line Clearance Management Plan
<b>Regulations</b>	Electricity Safety (Electric Line Clearance) Regulations 2020
<b>Suitably qualified arborist</b>	An arborist who holds a minimum of Certificate III Arboriculture, Assess Trees unit and 3 years experience

## Regulation 9 Preparation and submission of management plan

### Regulations 9(1–3): Responsible Person and Plan

Under obligations as a “responsible person” under the Victorian *Electricity Safety Act 1998*, City of Greater Dandenong (‘Council’) has prepared this Electric Line Clearance Management Plan (the Plan) in compliance and accordance with the Energy Safe Victoria (ESV) *Electricity Safety (Electric Line Clearance) Regulations 2020* – [Regulation 9 Preparation and submission of management plans](#). Obligations under Regulations 10(1)–(6) are also addressed in the Plan.

City of Greater Dandenong, Manager Infrastructure Services & Planning and Senior Arborist or delegated authority will review and amend this Plan annually. The amended document will be submitted to the Director Business Engineering and Major Projects for review and authorisation prior to the 31st March each year. The superseded document will be removed from circulation on 30 June of each year and replaced with the new approved document.

This Plan is applicable for the financial year from 1 July 2022 – 30 June 2023. The Plan is stored in Council’s document management system and will be available for review on Council’s website at <https://www.greaterdandenong.vic.gov.au/biodiversity-nature-and-wildlife/trees>.

City of Greater Dandenong, Senior Arborist will submit to Energy Safe Victoria the Plan within 14 days of a request.

## Regulations 9(4)(a)–(d): Contact details

### 4(a) Responsible Person

**Name** John Bennie  
**Position** Chief Executive Officer  
**Address** City of Greater Dandenong  
 225 Lonsdale Street  
 Dandenong VIC 3175  
**Contact** T: 03 8571 5100

### (b) Individual responsible for the preparation of the management plan

**Name** Paul Kearsley  
**Position** Director Business, Engineering and Major Projects  
**Address** City of Greater Dandenong  
 225 Lonsdale Street  
 Dandenong VIC 3175  
**Contact** T: 03 8571 1571  
 E: [council@cgd.vic.gov.au](mailto:council@cgd.vic.gov.au)

### (c) Person/s responsible for carrying out the management plan

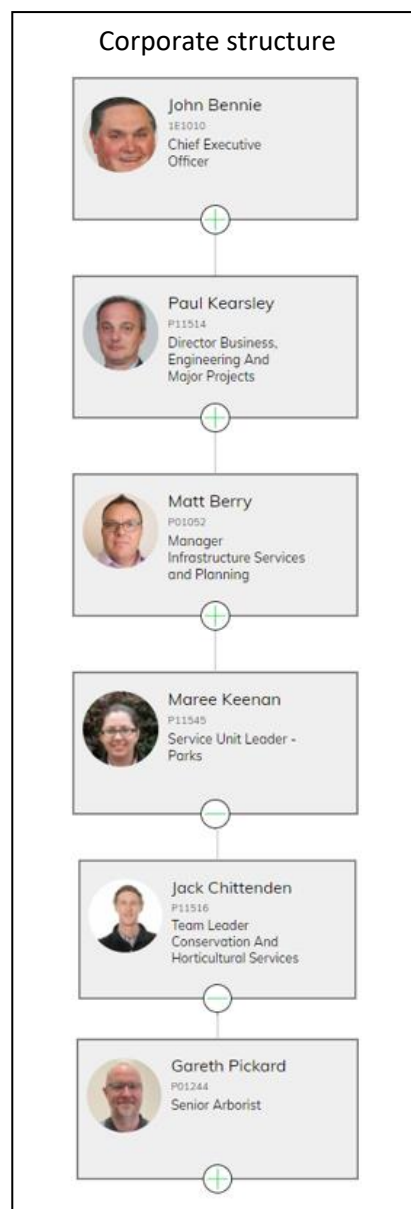
**Name** Matthew Berry  
**Position** Manager Infrastructure Services & Planning  
**Address** City of Greater Dandenong  
 225 Lonsdale Street  
 Dandenong VIC 3175  
**Contact** T: 03 8571 1713  
 E: [Matthew.Berry@cgd.vic.gov.au](mailto:Matthew.Berry@cgd.vic.gov.au)

**Name** Maree Keenan  
**Position** Service Unit Leader Parks  
**Address** City of Greater Dandenong  
 20 Bennet Street,  
 Dandenong, VIC 3175  
**Contact** T: 03 8571 1768  
 E: [Maree.keenan@cgd.vic.gov.au](mailto:Maree.keenan@cgd.vic.gov.au)

**Name** Jack Chittenden  
**Position** Team Leader Conservation & Horticultural Services  
**Address** City of Greater Dandenong  
 20 Bennet Street,  
 Dandenong, VIC 3175  
**Contact** T: 03 8571 1772  
 E: [Jack.Chittenden@cgd.vic.gov.au](mailto:Jack.Chittenden@cgd.vic.gov.au)

### (d) Emergency telephone number for electric line clearance from a Council tree

**Telephone** Council Customer Service (operates after hours)  
 03 8751 5100



### Regulation 9(4)(e): Objectives

By complying with the *Electricity Safety (Electric Line Clearance) Regulations 2020* and the Code of Practice as far as practicable, the objectives of the plan are to:

- Protect public safety at all times from the contact between power lines and vegetation in relation to fire risk, human injury and continuity of supply.
- To comply with the Regulations and Code, whilst protecting areas of important, indigenous, and significant vegetation throughout Council's Declared Area.
- Provide a safe working place for employees and contractors undertaking vegetation clearance pruning and any employee or contractors who conduct other vegetation maintenance works within the vicinity of powerlines.

These objectives will be achieved by:

- Maintaining open dialogue with the vegetation management group of relevant distribution companies and contractors so that all parties have a clear understanding of each other's priorities.
- Ongoing improvement of City of Greater Dandenong electronic tree database and a functional Geographical Information System (GIS) that allows users to efficiently locate tree assets and record information regarding adjacent electrical lines and the condition, size, species, structure, and management requirements for tree assets.
- Ongoing auditing and Contract performance monitoring through the use of measurable KPIs and monthly meetings and reporting.



### Regulation 9(4)(f): Map of applicable land

The City of Greater Dandenong municipality is in the south-eastern suburbs of metropolitan Melbourne and encompasses approximately 130 square kilometres. The Plan applies to the Declared Areas of municipality - north of the municipality being designated a declared area and the south designated a non-declared area (Figure 1).

City of Greater Dandenong is divided into fourteen maintenance blocks (Figure 1).

Twelve of the maintenance blocks comprise the Declared Area (1 – 12). Maintenance blocks 13 and 14 are not declared and do not form part of Council’s responsibility under the Code.

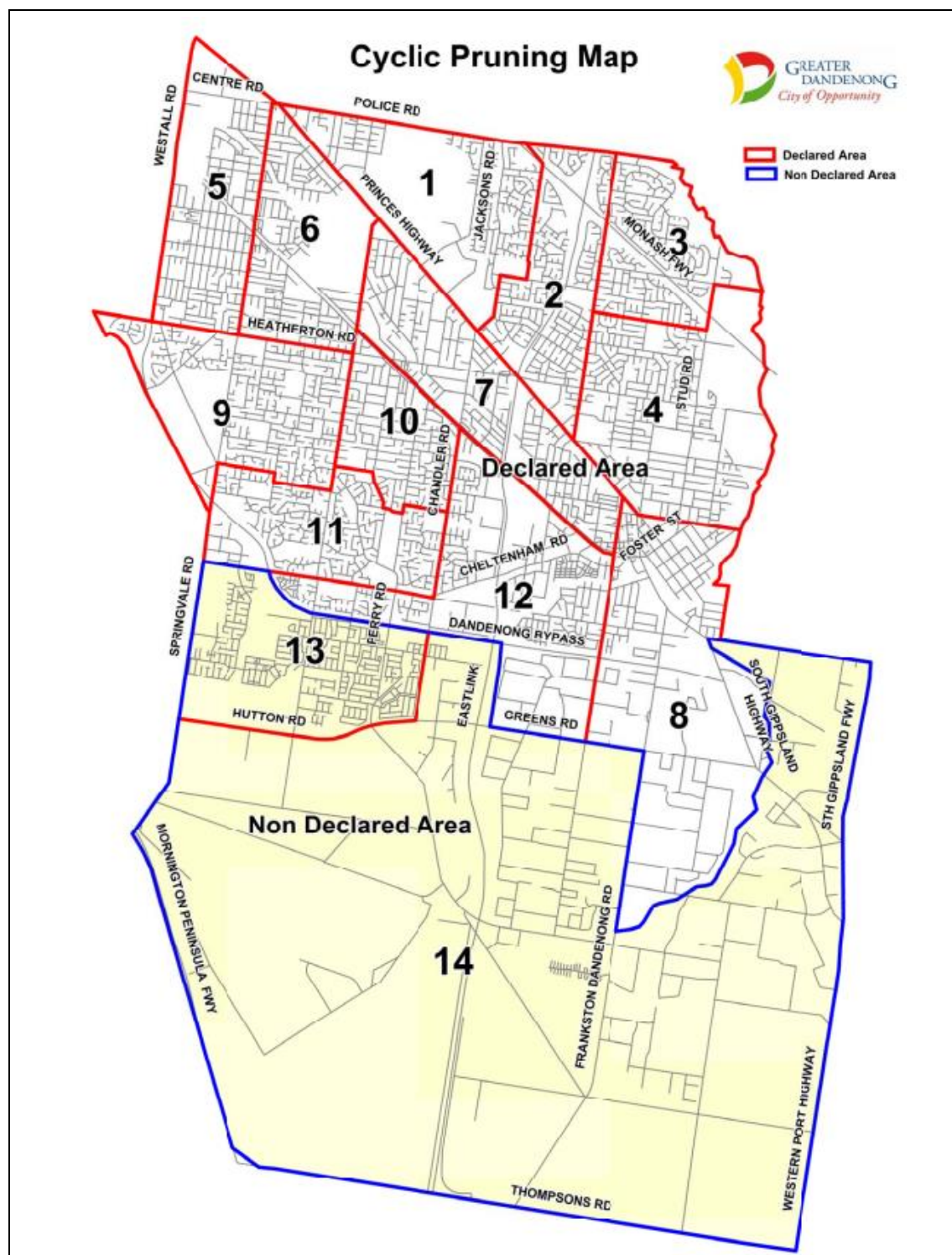


Figure 1. Map of City of Greater Dandenong municipality showing maintenance blocks (1 – 14) and declared (red outline) and non-declared (blue outline) areas.

### Regulation 9(4)(g): Hazardous and low bushfire risk areas

The Country Fire Authority (CFA) fire hazard ratings for electric lines apply to the maintenance blocks as follows:

- The majority of the declared area is low bushfire risk area (LBRA)
- Three small sections of blocks 3 & 4, 9, and 12 are hazardous bushfire risk areas (HBRA).

A coloured map (Figure 2) shows the 3 small section of HBRA is red; a small section east of Stud Road in the north-east, a small section between Westall and Clarke Roads in the mid-west, and a section North of Greens Road to Dandenong Creek to the south.

The Bushfire Risk Area Boundary information is updated using the Electric Line Vegetation Clearance page on the [CFA's website](#). This process occurs every 12 months with the preparation of the plan.

Every year, Council liaises with the relevant Distribution Businesses ([Regulation 9 \(4\)\(i\)\(ii\)\(B\)](#)) to obtain up-to-date GIS layers for the distribution network. This helps to improve planning and identification of affected trees in the LBRA and HBRA areas.

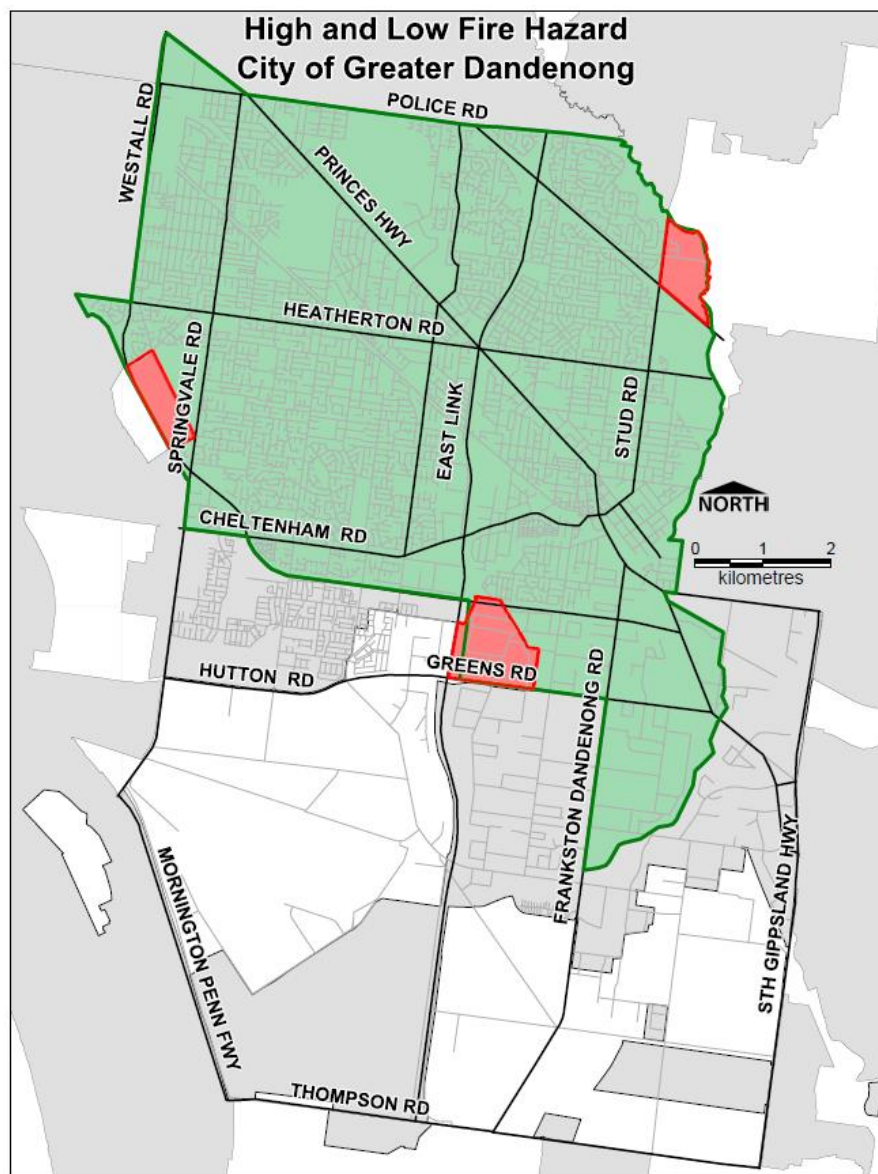


Figure 2. Coloured map of the declared areas with City of Greater Dandenong's municipality. The Low Bushfire Risk Areas (LBRA) are shown in the green areas and the Hazardous Bushfire Risk Areas (HBRA) are shown in the red areas.

**Regulations 9(4)(h)(i)–(iii): Specified areas with indigenous or significant trees**

Council's tree database identifies tree location and records information regarding electrical lines, data relating to tree condition, structure, size, significance and management (i.e. last date of inspection or cutting).

Each year, as part of the preparation of the Plan, Council reviews the resources listed below to identify trees indigenous to Victoria or significant trees specified in Regulations 9(4)(h)(i), (ii) and (iii) and updates the tree database accordingly. All trees that are included in the below categories are identifiable in Council's tree database by the category 'significant' (Figure 3).

Work crews access this information in the field on mobile devices before undertaking works on trees managed by City of Greater Dandenong, enabling awareness of the significance and requirements by both Council and the tree maintenance contractors.

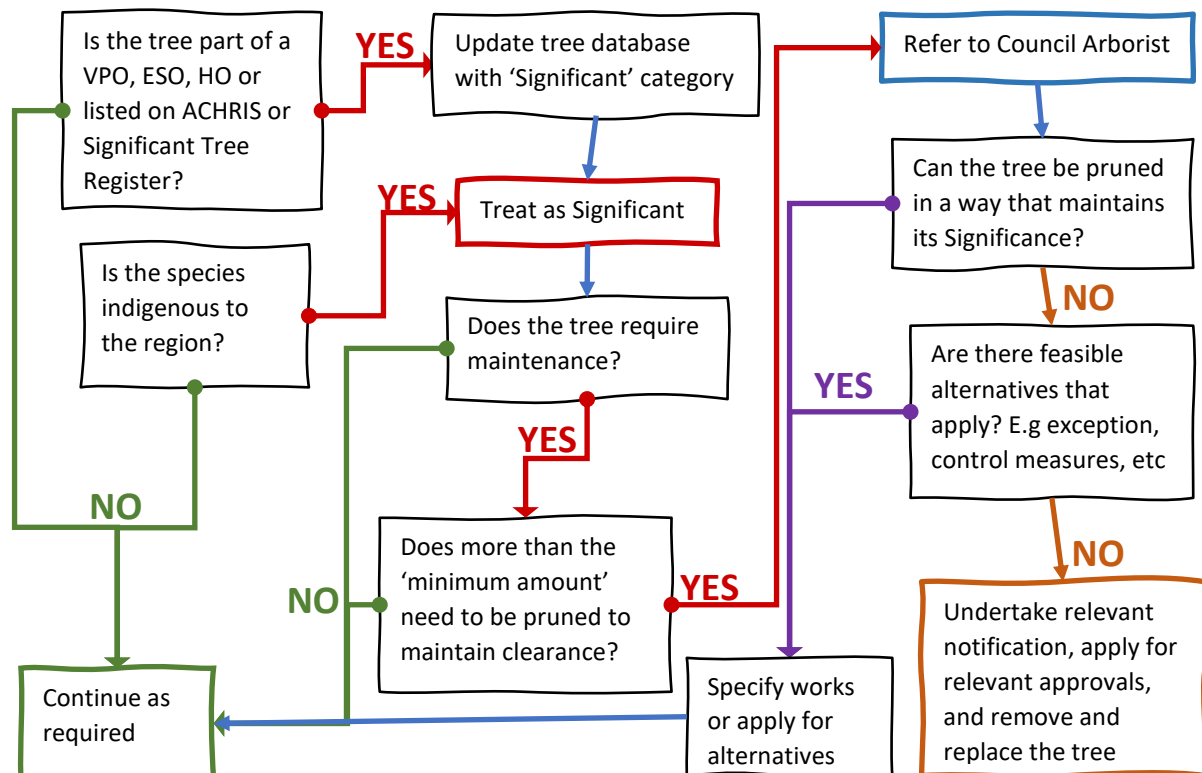
Pursuant to Clauses 11 and 12 of the Code, Council will, as far as practicable:

- Restrict cutting or removal of indigenous or significant trees to the minimum extent necessary to ensure compliance with the requirements of and schedule to the Code, or to make an unsafe situation safe
- Avoid cutting or removing a tree that is habitat for [threatened fauna](#) during the breeding season, unless it is necessary to mitigate a high-risk hazard.

Where it is not practicable to avoid tree pruning or removal during the breeding season, Council will:

- Translocate the breeding threatened fauna before undertaking the tree works.

**Figure 3: Decision making process for indigenous and significant trees**





**Regulation 9(4)(h)(i): Indigenous to Victoria**

Indigenous tree species are common and widely planted throughout the streets of City of Greater Dandenong. Council maintains a tree database that identifies the location and species of each tree. To ensure the trees are identified correctly, City of Greater Dandenong utilises trained and qualified arborists for inspections who are able to identify the relevant species.

Before pruning in an area, the contractor is required to:

- Have a comprehensive understanding of trees that are indigenous to the region
- Have the ability to identify the tree and cross reference with Council's tree database to ensure records are accurate

A list of species can be found at Appendix 1 – Indigenous Species List

The City of Greater Dandenong will also seek specialist advice (where necessary) to determine if any species (or habitat thereof) or communities on the [Flora and Fauna Guarantee Act Threatened List](#) are endangered by works to prune or remove trees.

**Regulation 9(4)(h)(ii): Listed in a planning scheme to be of ecological, historical, or aesthetic significance**

Identified areas of historical, cultural, environmental, ecological, and aesthetical importance are covered by Vegetation Protection Overlays (VPO), Environmental Significance Overlays (ESO), and Heritage Overlays (HO) in the Planning Scheme. Information of trees within these overlays includes:

- Tree species (and approximate number of specimens if greater than one)
- Address
- Address of other affected properties.

After each review of the City of Greater Dandenong Planning Scheme, Council reviews the trees that may be affected, and updates the tree database accordingly. Before tree maintenance works in an area, the contractor is required to check Council's tree database to see if any trees are significant.

The [City of Greater Dandenong Planning Scheme](#) is located on the Planning Vic website and is access and reviewed annually in preparation for the Plan. Currently, there are no ESOs or VPOs relevant to Declared Areas of City of Greater Dandenong, however there are 35 locations within City of Greater Dandenong that are listed in the HO that have applicable tree controls. Six of these locations fall within the Declared Area and trees in these locations have been categorised as 'significant' in the tree database (Figure 3). The most up to date Schedule is reviewed from: [Greater Dandenong Planning Scheme – Schedule to Clause 43.01 Heritage Overlay](#).

**Regulation 9(4)(h)(iii): A tree of cultural or environmental significance**

The City of Greater Dandenong reviews the advice provided by the Aboriginal Cultural Heritage Register and Information System ([ACHRIS](#)) as part of preparation of the Plan.

Information regarding specific trees on the Aboriginal Cultural Heritage Register is not publicly available and a request is made annually via ACHRIS to obtain the most up-to-date information. This information is recorded within the tree database as a 'significant' tree and follows the process set out in Figure 3.

**Regulation 9(4)(i): Means used to identify indigenous or significant trees**

Trees assessed as having cultural or environmental significance at local, state, and national levels are listed in Council's tree database as 'significant'. Before pruning in an area, the Contractor must check Council's tree database to determine if any trees adjacent to the powerlines are listed as significant and follow the decision-making process suitable to the situation (Figure 3).

## Regulation 9(4)(j) Management procedures to ensure compliance with the Code

### Regulation 9(4)(j)(i): Methods for managing trees and maintaining minimum clearance

Under the City of Greater Dandenong's tree maintenance contract '1819-52 – Tree Pruning Associated Works', the tree maintenance Contractors are required to maintain the minimum clearance space (Appendix 2: Applicable minimum clearance space) for the period of the Program. Council applies rigour to the contract by undertaking audits of 100% of publicly managed trees within the Declared Area of the electrical line network, following the schedule of the Program. Payment for each maintenance block is withheld until such time that the Contractor meets the requirements of the Code.

This contract also makes provision for any changes in clearance space requirements resulting from the annual review of Council's ELCMP and/or changes in the Regulations.

Council's management procedures for managing trees to ensure compliance with the Code are categorised as:

- training and qualifications
- proactive inspections
- undertaking tree works
- auditing and reactive works
- tree planting
- record keeping.

The methods to ensure compliance with the Code for each of these procedure categories are provided in the following sections.

### Training and Qualifications

- Council's procurement procedure requires the successful contractor to employ experienced arborists that have qualifications suitable to job role (Appendix 3: Training requirements pertinent to job role).
- The successful contractor is required to submit upcoming training information for employees working on the tree maintenance contract as part of the ongoing monthly reporting. This includes each employee's job role and qualifications relevant to their role and is updated in the Contractor's matrix and reviewed annually.

### Proactive Inspections

Every tree managed by City of Greater Dandenong under or adjacent to powerlines, shown in regulation [9\(4\)\(f\)](#) of this Plan is inspected according to the block maintenance schedule (as per Figure 1).

This includes:

- An annual inspection of all trees in the vicinity of High Voltage electric lines.
- A biennial (two-yearly) inspection of all trees adjacent to Low Voltage electric lines.
- Within the HBRA areas, annual inspection and pruning of all Council trees in the vicinity of powerlines will occur before the declaration of the fire season (
- Table 1).
- An annual inspection of trees in streets that cannot be effectively managed on a two-year cycle are included as two additional maintenance block zones. Street names and maps are reviewed annually and form part of the Plan. Refer to:
  - Annual Tree Pruning Block 1 - Table 2
  - Annual Tree Pruning Block 2 - Table 3

Table 1. Schedule for inspecting, pruning, and auditing Council trees adjacent to powerlines.

Greater Dandenong Pruning Precinct	Programmed Inspection	Programmed completion date	Programmed Audit
Block 8	Jan 2022	28 Feb 2022	By 14 Mar 2022
Block 1	Feb 2022	30 April 2022	By 14 May 2022
Block 9	May 2022	30 June 2022	By 14 July 2022
Block 13 (Non-declared area)	May 2022	30 June 2022	By 14 July 2022
Block 14 (Non-declared area)	May 2022	30 June 2022	By 14 July 2022
Annual Pruning Block 1 (incl. HBRAs)	July 2022	31 Aug 2022	By 14 Sept 2022
Block 11	July 2022	31 Aug 2022	By 14 Sept 2022
Block 4	Nov 2022	31 Dec 2022	By 14 Jan 2023
Block 3	Jan 2023	28 Feb 2023	By 14 Mar 2023
Block 7	Mar 2023	30 Apr 2023	By 14 May 2023
Block 6	May 2023	15 June 2023	By 14 July 2023
Block 10	May 2023	30 June 2023	By 14 July 2023
Annual Pruning Block 2	June 2023	31 July 2023	By 14 Aug 2023
Block 12	July 2023	31 Aug 2023	By 14 Sept 2023
Block 2	Sept 2023	31 Oct 2023	By 14 Sept 2023
Block 5	Oct 2023	30 Nov 2023	By 14 Dec 2023

Figure 4: Map of City of Greater Dandenong municipality showing maintenance blocks (1 – 14) for quick reference

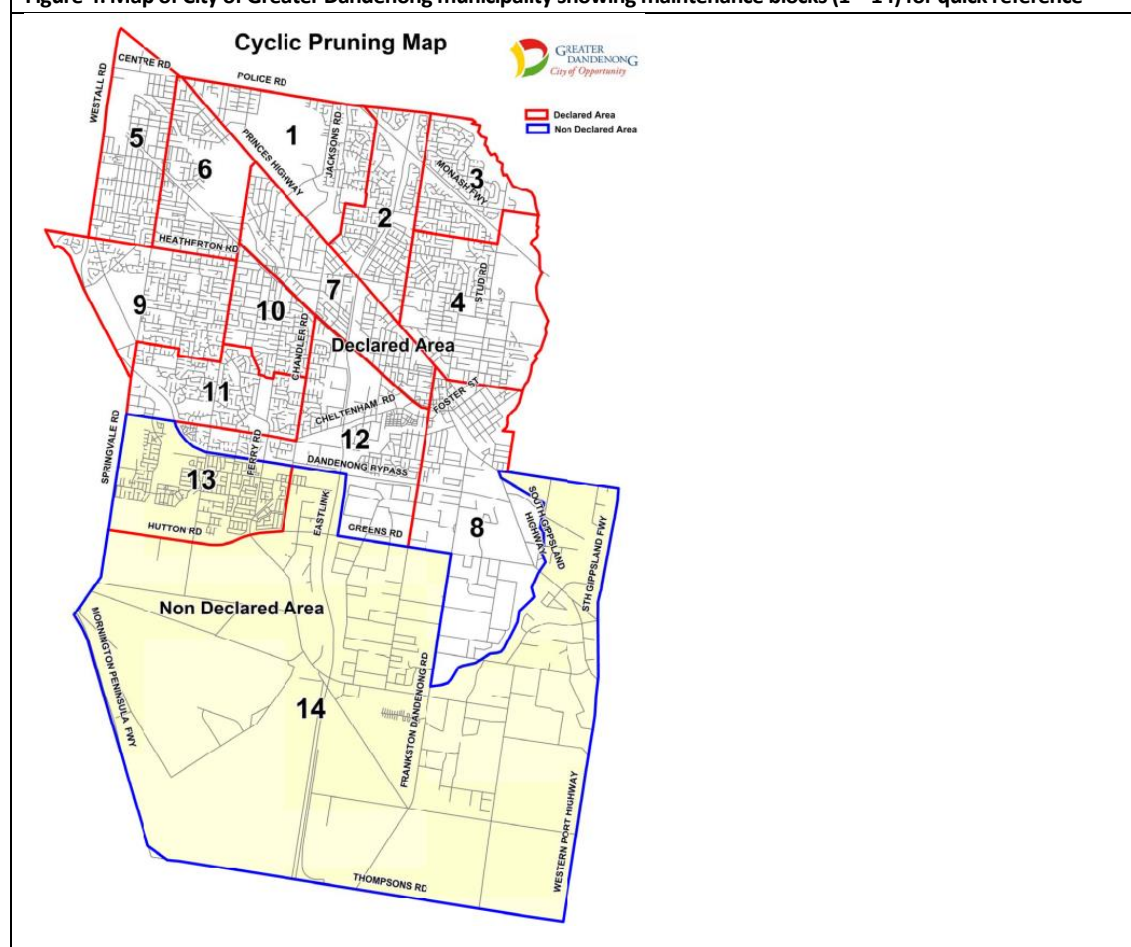
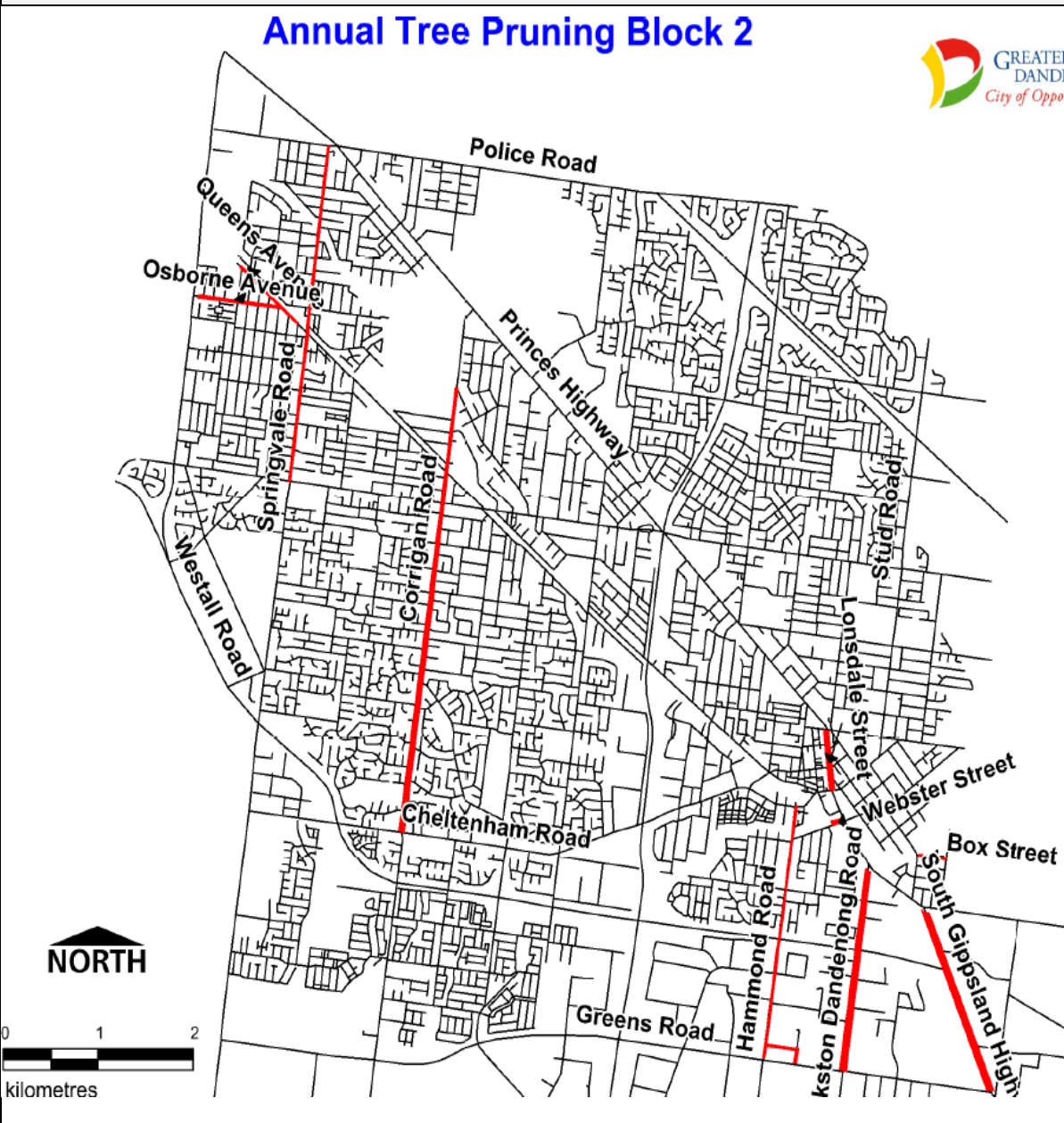


Table 2. Streets within Annual Tree Pruning Block 1 and map indicating locations.

Streets within Annual Tree Pruning - Block 1
<ul style="list-style-type: none"> <li>• Springvale Road from Heatherton Road to Princess Highway (Block 6 Eastern side)</li> <li>• Union Road, Dandenong South (Block 12) HBRA clearances</li> <li>• Dunblane Street Noble Park (Block 7)</li> <li>• Hammond Road Dandenong South (From Cheltenham Road to Greens Road) (Block 12 Western side)</li> <li>• Stud Road from Brady Road north to the municipal border. Both sides of the road including parkland. <b>HBRA clearances</b></li> <li>• Cheltenham Road from Perry Road to Stanley Road (South side of Road) (pruned to sky to reduce potential high voltage overhang) (Block 12)</li> <li>• Bennett Street Dandenong (Along Operations Centre frontage and trees within vicinity of powerlines in Grieves Reserve) (pruned to sky to reduce potential high voltage overhang) (Block 12)</li> </ul>
Map highlighting Annual Block 1
<p style="text-align: center;"><b>Annual Tree Pruning Block 1</b></p>



**Table 3. Streets within Annual Tree Pruning Block 2 and map indicating locations.**

Streets within Annual Tree Pruning - Block 2
<ul style="list-style-type: none"> <li>• Queens Avenue Springvale (Block 5)</li> <li>• Osborne Avenue Springvale (Block 5)</li> <li>• Springvale Road from Heatherton Road to Princess Highway (Block 5 Western side)</li> <li>• Corrigan Road from Athol Road to Heatherton Road (Block 9) (Pin Oaks to be uplifted and cleared from powerlines)</li> <li>• Tatterson Road Dandenong South (Block 8)</li> <li>• Frankston Dandenong Road from Greens Road to Lonsdale Street (Block 8)</li> <li>• South Gippsland Highway from Greens Road to Princess Highway (Block 8)</li> <li>• Box Street Dandenong (Thomas Carroll Reserve) (Block 8) (pruned to sky to reduce potential high voltage overhang)</li> <li>• Hammond Road Dandenong South (From Cheltenham Road to Greens Road. (Block 8 Eastern side)</li> <li>• Webster Street Dandenong South (Trees from Reserve) (Block 8) (pruned to sky to reduce potential high voltage overhang)</li> </ul>
Map highlighting Annual Block 2




### Undertaking Tree Works

After the initial block inspections, Contractors prune each tree in accordance with the Code and industry Best Practice – *Australian Standard 4373 Pruning of amenity trees* (AS4373). In cases where the minimum clearance space cannot be achieved when pruning to AS4373, refer to Regulation [9\(4\)\(k\)](#) of this Plan.

From time to time, unsuitable tree species will occur when a suitably qualified and experienced Arborist has determined a tree cannot be managed to comply with the Code, is not eligible for an exemption, and the appropriate tree removal protocols have been applied. The process involves:

- In-house staff or contractor identifies a tree that cannot be managed by pruning
- The Senior Arborist or delegated arboricultural officer inspects the tree to confirm
  - The tree cannot be managed through pruning,
  - Is not eligible for an exception, and
  - Does not meet the criteria for engineering solutions.
- An assessment recommending removal is provided to the Senior Arborist for approval
- Community consultation is undertaken regarding the removal of the tree
- Works are programmed as per the reactive works process
- Removal of tree and stump completed within thirty (30) business days or in accordance with timelines required by Distribution Business if a shutdown is required for safety
- Actions recorded in the document management system
- If the site location is suitable and public consultation completed, tree replacement is programmed for the following year
- Formative pruning to assist with maintaining clearances conducted during establishment period
- Inspect and prune in accordance with Plan

### Auditing and Reactive Works

Following the programmed cut of each maintenance block, Council's Senior Arborist or delegated officer undertakes an audit on 100% of trees adjacent electrical lines. Where clearance does not meet the minimum clearance required by the Code and an exception does not apply, a recall notice is issued whereby the Contractor has 30 days to complete pruning. Recall audits are undertaken by Council's Senior Arborist at the 30-day timeframe. Payment for block maintenance is withheld until such time that recall works have been accepted.

Where trees are identified as being non-compliant outside the normal block maintenance, these trees can be reported to Council customer service 03 8751 5100 and referred to the Senior Arborist or delegated officer for assessment of work requirements and allocated to Council's contractor.

- Non-urgent reactive works are to be completed within thirty (30) business days of the works being allocated, unless another timeframe is determined by the Senior Arborist at the time of allocation.
- In situations of high priority, the primary aim is to respond within one (1) hour and make the site safe within one hour or twenty-four (24) hours of notification depending on the situation. Additional works will be scheduled as required.
- All works are recorded in the City of Greater Dandenong's document management system.
- Trees will be pruned to the minimum clearances outlined in the Electric Safety (Electric Line Clearance) Regulations 2020. All pruning should conform to AS4373 as far as practicable. If this is not possible the tree shall be referred to the Senior Arborist or delegated officer for alternative management solutions as per Section [9\(4\)\(k\)](#) of the Plan.

### Tree Planting

A site assessment is undertaken prior to tree planting. Trees are planted near powerlines if the site location is appropriate. Tree species to be planted will be selected in accordance with the City of Greater Dandenong's urban tree strategy. The strategy stipulates that small to medium sized trees will be planted under powerlines to minimise future conflicts with powerlines and ensure code compliance Appendix 4: Tree species suitable for planting near electrical lines.

Formative pruning is undertaken for newly planted trees. This proactive approach to managing tree form assists with maintaining electrical line clearance of future tree canopy. Council undertakes tree establishment audits, which includes assessment of formative pruning. Recalls are issued to Contractors where electrical line clearance has not been considered in the formative pruning program.

### Record keeping

Tree maintenance Contractors have access to Council's tree database where they are required to record details of all cyclic inspections and completed works on trees.

Contractors also report directly to Council on a monthly basis, detailing the following:

- Monthly works plan
- Monthly works completed
- Safety and loss prevention
- OHS & Environmental incidents
- Self-audits
- Work quality issues
- New staff
- Upcoming training information

Monthly reports from Contractors are reviewed and discussed to promote continual improvement and open communication between Council and Contractors. These reports are recorded in Council's document management system.

#### *Regulation 9(4)(j)(ii)(A): Determining an additional distance*

Minimum clearances for sag and sway for spans below 100m in length will be maintained in compliance with the distances in the clearance graphs in Schedule 2 of the Code.

- Graphs 1, 2, 3 and 4 of Schedule 2 of the Regulations will inform allowance for sag and sway in LBRA areas (Appendix 5: Applicable distance for middle two thirds of a span of an electric line – LBRA)
- Graphs 5 and 6 will inform allowance for sag and sway in HBRA areas (Appendix 6: Applicable distance for middle two thirds of a span of an electric line – HBRA)

Contractors engaged to undertake electrical line clearance inspections and tree maintenance are required to demonstrate qualifications appropriate for their job roles. This includes the appropriate qualifications to:

- Confirm the significance of the vegetation in the area to be pruned
- Identify the conductor type
- Identify the total span length
- Identify tree location within that span
- Apply the corresponding graph/formula of Schedule 2 of the Code
- Reference the required clearance.

*Regulations 9(4)(j)(ii)(B): Provision for additional distances for different parts of an electric line span*

For spans greater than 100m in length in LBRA or greater than 45m length in HBRA the City of Greater Dandenong will contact the Distribution Business, United Energy, to provide the required clearance distance to allow for sag and sway. This information will be recorded against the affected trees in the tree database and be available to operators in the field via tablets.

- The City of Greater Dandenong does not currently have information relating to the distance between poles, the location of any spans greater than 100m in length and the sag and sway clearances required for any spans greater than 100m in length.
- Council has liaised with relevant Distribution Businesses to obtain maps of powerline spans. As this information is obtained the clearance requirement will be recorded in the City of Greater Dandenong document management system and used to inform management practices.

The names and contract details for the Distribution Businesses and railway authorities that operate within City of Greater Dandenong are:

<b>Company</b>	<b>United Energy</b>
<b>Address</b>	PO Box 449, Mount Waverley VIC 3149
<b>Telephone</b>	1300 131 689
<b>Faults and emergencies</b>	132 099

<b>Company</b>	<b>PowerCor / CitiPower</b>
<b>Address</b>	L 8 40 Market Street, Melbourne Victoria 3000
<b>Telephone</b>	132 206 / 1300 301 101
<b>Faults and emergencies</b>	132412 / 131 280

<b>Company</b>	<b>Metro Trains</b>
<b>Contact</b>	Katrina Lewis, Production Manager – Vegetation
<b>Address</b>	Level 16, 700 Collins Street, Docklands VIC 3008
<b>Telephone</b>	0405 506 488

<b>Company</b>	<b>VicTrack</b>
<b>Address</b>	Level 8, 1010 La Trobe Street, Docklands VIC 3008 GPD Box 1681, Melbourne VIC 3001
<b>Telephone</b>	1300 842 872

*Regulation 9(4)(k): Procedures when impracticable to comply with AS 4373*

The City of Greater Dandenong requires all staff and contractors pruning trees within the municipality to comply with AS4373 as far as is reasonably practicable.

Reasonably practicably in relation to AS4373 means that which is, or was at a particular time, reasonably able to be done in relation to ensuring continued tree health and future tree safety, taking into account and weighing up all relevant matters including:

- Will the action create a defect, hazard, loss of tree health or aesthetic value in the present or future?
- What will the impact be on the tree or future safety of the public?
- What the person concerned knows, or ought reasonably to know about:
  - The hazard or the risk
  - Ways of eliminating or minimising the risk

- Are other resources or techniques available to complete works to the standard
- Does the cost required to complete works to the standard grossly outweigh the value of the tree?

Where pruning to AS4373 is not practicable the site or trees are to be referred to the Senior Arborist or a delegated Council Officer who holds a qualification AQF Level 5 or above in Arboriculture to make an assessment on whether it is reasonably practicable to deviate from AS4373.

The City of Greater Dandenong ensures contractors are appropriately trained and aware of the principles of AS4373, and what is reasonably practicable, by:

- Referencing the standard in internal guidelines
- Referencing the standard in tender documents for contractors
- Including the City of Greater Dandenong’s definition of ‘reasonably practicable’ in contractor induction
- Ensuring contractors undertaking electric line clearance work have, at a minimum:
  - Certificate Level III in Horticulture or Arboriculture,
  - Certificate Level II in ESI – Power line Vegetation Control, and
  - 3 years industry experience that demonstrates understanding of AS 4373 (See Appendix 3: Training requirements pertinent to job role).

Where pruning to achieve clearance will not allow compliance with AS4373, City of Greater Dandenong may elect to:

- Increase the pruning frequency to minimise the required pruning
- List the tree for an exception
- Remove scaffold/ parent limbs
- Investigate the potential for engineering solutions to facilitate compliance or an exemption
- Remove trees where the tree is of low retention value, or the resulting pruning would leave trees unsuitable for retention.

The decision will be guided by costing of the options in terms of tree value, works cost and the surrounding environment of the tree. Where street trees are to be removed the resident adjacent the property will be notified in writing that the removal will occur within 30 days.

Where significant reserve trees are to be removed all residents with a view of the tree will be notified in writing that the removal will occur within 30 days, additional notice boards will be erected within the reserve.

#### [Regulation 9\(4\)\(I\): Alternative compliance mechanisms](#)

The City of Greater Dandenong has not applied for and currently does not plan to apply for any alternative compliance mechanism under clause 31 of the Code.

If alternative compliance mechanisms are required, Council will apply to Energy Safe Victoria. The application would include the:

- Details of the alternative compliance mechanism
- Procedures to be adopted for commissioning, installing, operating, maintaining and decommissioning the proposed alternative compliance mechanism
- Published technical standards that will be complied with when commissioning, installing, operating, maintaining and decommissioning the alternative compliance mechanism
- Location or class of the span to which the alternative will be applied
- Specification for the proposed minimum clearance space in relation to the span, or class of spans.

The application will also include a copy of:

- The formal safety assessment prepared under Clause 32 of the regulations
- Written agreement from the owner or the owner or operator of the span; or
- Written agreement from the owner of the owner or operator of the class of spans.

If, and as, requested by Energy Safe Victoria, Council will provide further information or material about the application.

#### Regulations 9(4)(m)(i)–(ii): Approval for alternative compliance mechanism

At the time of preparation of this Plan, all trees have been pruned in compliance with AS4373. Therefore, Council does not hold an approval for an alternative compliance mechanism, and none is in effect. Contractors are required to report any such trees to Council so that they can be identified in the tree database and actioned as necessary.

#### Regulation 9(4)(n): Performance assessment measures

The City of Greater Dandenong and the Senior Arborist have defined Key Performance Indicators (KPIs) to assist in measuring the implementation of the Plan:

- Preparation of the Electric Line Clearance Management Plan prior to the 31st March of each year,
- Completion of the Proactive Program for pruning as per schedule,
- Completion of twelve (12) audits of reactive works contractor and seven (7) audits of cyclic contractor per annum,
- A minimum 95% compliance for in zone audits,
- 100% of non-compliance rectified within 30 business days of notification,
- All hazards identified in contractor OHS inspections addressed within required timeline
- Respond to all pruning requests from the Network Operator within the required timeline,
- Reduction in the number of Customer Service Requests received for electric line clearance, and
- No emergency clearances.

Key Performance Indicators are monitored via:

- Mapping the inspection and pruning program against the zone maintenance progress,
- Mobile work site safety audits
- Post works auditing,
- Monitoring levels of customer requests relating to powerlines,
- Compliance results from the Network Operator's (when supplied), and
- Reporting through document management system and Position Description key performance indicators.

Results are reported via:

- Internal team meetings,
- Monthly contract meetings, and
- Monthly reports submitted to Management



Reporting of KPI's is used to aid in:

- Issuing of recalls where required,
- Individual performance management for internal staff,
- Development of procedures and processes,
- Development of pruning programs and Contract Specification, and
- Selection of suitable tree species for planting near powerlines.

#### Regulation 9(4)(o): Audit processes to determine compliance

The Senior Arborist is responsible for audits to verify compliance with the Code. These include:

- A quality audit is undertaken by the Senior Arborist or delegated Council Officer who is a suitably qualified arborist for each completed declared area to ensure compliance with:
  - the Electric Safety (Electric Line Clearance) Regulations 2020, and
  - quality of arboricultural works and compliance with AS4373.
- A minimum of 1 Safety Audit per block is undertaken randomly on site by the Senior Arborist, Inspecting Arborist and delegated Council Officers to ensure correct OH&S and traffic/pedestrian control are undertaken as well as appropriate controls are in place for powerline tree trimming.
- Pre-works site checks are carried out and documented for record keeping by all Council staff and contractors.
- The competency and qualification of personnel of Electric Line Clearance workers is required by contract and reported on via monthly contract meetings.

Once identified non-compliance is reported to the Senior Arborist and rectified within thirty (30) working days. Confirmation of rectification is to be provided in writing to the Senior Arborist and included in the monthly contract report. Contractors are required to provide a report in response to the non-compliance identifying the cause for non-compliance and actions that will mitigate the cause in future works.

Results of audits are reported via:

- (i) internal team meetings, and
- (ii) monthly contract meetings.

Audit results and resulting communications are stored in City of Greater Dandenong's document management system.

#### Regulation 9(4)(p): Qualifications and experience

Under the '1819-52 – Tree Pruning Associated Works Contract' with Council, all employees of the Contractor involved in work under this Plan are required to be a "qualified person". Under Regulation 616(2) of the [Electricity Safety \(General\) Regulations 2019](#), a qualified person means "a person who holds a current certificate that is approved by Energy Safe Victoria, specifying satisfactory completion of a training course in tree clearing".

As defined in the Regulations, a "suitably qualified arborist" has:

- As a minimum, a National Certificate III in Arboriculture including the "Perform a ground-based tree defect evaluation" unit or equivalent
- At least three years of experience assessing trees.

To ensure only appropriately qualified and experienced contractor personnel are employed on the City of Greater Dandenong '1819-52 – Tree Pruning Associated Works Contract', Council conducts annual desk-top audits of Contractors' training certificates and qualifications received initially via tender submissions, and ongoing via monthly contractor reporting and annual reviews.

The training matrix must include:

- job role for each employee
- most recent date of each qualification
- qualifications that are soon to expire
- where training is scheduled

The relevant training and qualifications for each employee must meet the minimum requirement for their job role, as specified in the training matrix adapted from the Victorian Electricity Supply Industry (VESI), Appendix 3: Training requirements pertinent to job role.

#### Regulation 9(4)(q): Notification and consultation procedures

Council's tree pruning program is made available to all residents via the Plan on Council's website.

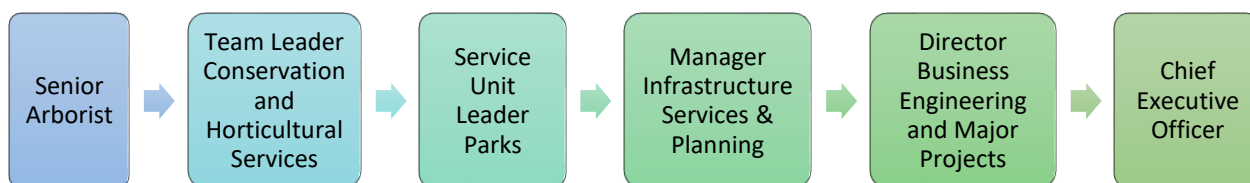
Pursuant to Clause 16(3) of Division 3 of the Code, prior to cutting or removing a tree identified under Regulation 9(4)(h)(ii) or (iii) of this Plan, unless cutting or removal is required urgently, written notice will be given if:

- the tree is within the boundary of private property—an owner or occupier of the property; or
- the tree is on land that is managed by a Council that is not the responsible person—that Council; or
- the tree is on land that is contiguous to private property and the use of that property may be affected during the cutting or removal—an owner or occupier of that property.

Within 14–60 days prior to the commencement of Line Clearance works Council will provide notification to affected persons.

#### Regulation 9(4)(r): Independent dispute resolution procedure

If a dispute arises during the process of consultation/negotiation between affected landowners and the Council, regarding proposed clearing/pruning/alternative construction activities, attempts to resolve the complaint internally shall be resolved at the lowest management level possible. If resolution is not possible the complaint shall be escalated to the next level of management. The preferred internal process of escalation is as follows:



The person responsible for resolving official disputes between Council and members of the public relating to the issues discussed in the Plan is:

<b>Name</b>	Maree Keenan
<b>Position</b>	Service Unit Leader Parks
<b>Address</b>	City of Greater Dandenong 20 Bennet Street, Dandenong, VIC 3175
<b>Contact</b>	T: 03 8571 1768 E: <a href="mailto:Maree.Keenan@cgd.vic.gov.au">Maree.Keenan@cgd.vic.gov.au</a>

If the dispute is not resolved using this procedure, the dispute will be referred in writing to the [Energy and Water Ombudsman](#) (Victoria) or an alternative dispute resolution entity.

If a dispute arises between Council and a Distribution Business:

- In the first instance, the person responsible for this Plan will negotiate with the Distribution Business' designated contact
- If the dispute remains unresolved, it will be escalated within Council's internal process as above for negotiation with the equivalent management level of the Distribution Business
- If a dispute cannot be resolved between Council and a Distribution Business, Energy Safe Victoria will be contacted for clarification of the statutory requirements and assistance in resolving the disputed matter.

## Regulation 9(4)(s) Exemptions and exceptions

### Exemptions

Under Clause (11) of the Regulations, City of Greater Dandenong has not been exempted by Energy Safe Victoria from any of the requirements of these Regulations subject to any conditions specified by Energy Safe Victoria.

### Exceptions

Council undertakes individual assessment of any tree notified by Contractors that cannot conform to both the Code as AS4373 to determine whether an Exception is applicable. Exceptions allowed under the Code are provided under [Clauses 4–7](#) in Table 5. Currently, City of Greater Dandenong has one Exception (Table 5).

This Exception is inspected annually and is noted in Council's tree database. It meets the requirements under Clause 7 of the Act around uninsulated low voltage electrical lines in a LBRA.

Table 4: City of Greater Dandenong – current Exceptions

Asset #	Address	Species	Pole 1	Pole 2	Reason	Last works	Last inspection
15091	124 Lightwood Road, Noble Park	<i>Eucalyptus cladocalyx</i>	32691	32690	Branch >130 mm at point of entry to clearance space but not within 500 mm of LV line	Pruning works: 23/06/2021	Audit of completed works: 28/06/2021

## Regulations 10(1)–(6): Obligations relating to this Plan

### Regulations 10(1)–(4): Requests from Energy Safe Victoria

If requested in writing by Energy Safe Victoria, City of Greater Dandenong, the responsible person for this Electric Line Clearance Management Plan (ELCMP), prepared under Regulation 9, will within 14 days or otherwise specified:

- Provide a copy of this Plan to Energy Safe Victoria
- Supply further information or material relating to this Plan
- Amend the Plan if instructed to do so.

### Regulation 10(5): Plan compliance

Pending the approval of this Plan by Energy Safe Victoria, City of Greater Dandenong will comply with all requirements.

Regulation 10(6): Plan publication

A copy of the Plan will be made available on City of Greater Dandenong’s website.

Date: 31 March 2022

**Authorised by:**



**Maree Keenan**  
Service Unit Leader Parks

**Reviewed by:**



**Matthew Berry**  
Manager Infrastructure  
Services & Planning

**Reviewed by:**



**Paul Kearsley**  
Director Business, Engineering  
and Major Projects

## Appendix 1 – Indigenous Species List

Native Trees	
Botanic Name	Common Name
<i>Acacia dealbata</i>	Silver Wattle
<i>Acacia implexa</i>	Lightwood Wattle
<i>Acacia leprosa</i>	Cinnamon Wattle
<i>Acacia mearnsii</i>	Black Wattle
<i>Acacia melanoxylon</i>	Blackwood
<i>Acacia oxycedrus</i>	Spike Wattle
<i>Acacia pycnantha</i>	Golden Wattle
<i>Acacia stricta</i>	Hop Wattle
<i>Acacia verticillata</i>	Prickly Moses
<i>Allocasuarina littoralis</i>	Black Sheoke
<i>Allocasuarina verticillata</i>	Drooping Sheoke
<i>Banksia integrifolia</i>	Coast Banksia
<i>Banksia marginata</i>	Silver Banksia
<i>Bursaria spinosa</i>	Sweet bursaria
<i>Eucalyptus camaldulensis</i>	River Red Gum
<i>Eucalyptus cephalocarpa</i>	Silver-Leafed Stringy-Bark
<i>Eucalyptus ovata</i>	Swamp Gum
<i>Eucalyptus pauciflora</i>	Snow Gum
<i>Eucalyptus pryoriana</i>	Coast Manna Gum
<i>Eucalyptus radiata</i>	Narrow-leafed Peppermint
<i>Eucalyptus viminalis</i>	Manna Gum
<i>Eucalyptus melliodora</i>	Yellow Box
<i>Goodia lotifolia</i>	Golden Tip
<i>Kunzea ericoides</i>	Burgan
<i>Melalueca ericifolia</i>	Swamp Paperbark
<i>Melalueca squarrosa</i>	Scented Paperbark
<i>Prostanthera lasianthos</i>	Victorian Christmas Bush
<i>Viminaria juncea</i>	Golden Spray



## Appendix 2: Applicable minimum clearance space

## Code: Part 3, Division 1: Standard minimum clearance spaces

Clause	Line type	Area type	Minimum clearance space	Applicable distance (AD)
24	Insulated	All	The space extending away from the line in all directions perpendicular to its axis for the applicable distance (Figures 1, 2 & 3 of the Code)	For the first & last sixths of the span: <ul style="list-style-type: none"> <li>• 300 mm</li> </ul> For the middle 2/3rds of the span (Graph 1 of the Code): <ul style="list-style-type: none"> <li>• if the span is <math>\leq 40</math> m: 300 mm</li> <li>• if the span is <math>&gt; 40</math> m &amp; <math>\leq 100</math> m: <math>300 + (\text{span distance} - 40) \times 10 = \text{AD}</math></li> <li>• if the span is <math>&gt; 100</math> m: 900 mm</li> </ul>
25	Uninsulated, low voltage	LBRA	The space extending away from the line in all directions perpendicular to its axis for the applicable distance and if the span is greater than 100 m, additional distance to allow for sag & sway (Figures 1 & 4 of the Code).	For the first & last sixths of the span: <ul style="list-style-type: none"> <li>• 1000 mm</li> </ul> For the middle 2/3rds of the span (Graph 2 of the Code): <ul style="list-style-type: none"> <li>• if the span is <math>&gt; 45</math> m &amp; <math>\leq 100</math> m: <math>1000 + (\text{span distance} - 45) \times (1500 \div 55)</math></li> <li>• if the span is <math>&gt; 100</math> m: 2500 mm</li> </ul>
26	Uninsulated, High voltage (other than 66 000 V line)	LBRA	The space extending away from the line in all directions perpendicular to its axis for the applicable distance and if the span is greater than 100 m, additional distance to allow for sag & sway (Figures 1 & 3 of the Code).	For the first & last sixths of the span: <ul style="list-style-type: none"> <li>• 1500 mm</li> </ul> For the middle 2/3rds of the span (Graph 3 of the Code): <ul style="list-style-type: none"> <li>• if the span is <math>&gt; 45</math> m &amp; <math>\leq 100</math> m: <math>1500 + (\text{span distance} - 45) \times (1000 \div 55)</math></li> <li>• if the span is <math>&gt; 100</math> m: 2500 mm</li> </ul>
27	Uninsulated, 66 000 V	LBRA	The space extending away from the line in all directions perpendicular to its axis for the applicable distance and if the span is greater than 100 m, additional distance to allow for sag & sway (Figures 1 & 5). The space above these spaces must also remain clear.	For the first & last sixths of the span: <ul style="list-style-type: none"> <li>• 2250 mm</li> </ul> For the middle 2/3rds of the span (Graph 4 of the Code): <ul style="list-style-type: none"> <li>• if the span is <math>\leq 45</math> m: 2250</li> <li>• if the span is <math>&gt; 45</math> m &amp; <math>\leq 100</math> m: <math>(2500 + (\text{span distance} - 45) \times (1250 \div 55))</math></li> <li>• if the span distance is <math>&gt; 100</math> m: 3500 mm</li> </ul>
28	Uninsulated, low & high voltage (other than 66 000 V)	HBRA	The space extending away from the line in all directions perpendicular to its axis for the	For the first & last sixths of the span: <ul style="list-style-type: none"> <li>• 1500 mm</li> </ul>

Clause	Line type	Area type	Minimum clearance space	Applicable distance (AD)
			applicable distance and additional distance that allows for conductor sag and sway (Figures 1 & 5 of the Code). The space above these spaces must also remain clear.	For the middle 2/3rds of the span (Graph 5 of the Code): <ul style="list-style-type: none"> <li>• if the span is <math>\leq 45</math> m: 1500 mm</li> <li>• if the span is <math>&gt; 45</math> m &amp; <math>\leq 500</math> m: <math>(1500 + (\text{span distance} - 45) \times (500 \div 303))</math></li> <li>• if the span is <math>&gt; 500</math> m: 2250 mm</li> </ul>
29	Uninsulated 66 000 V	HBRA	The space extending away from the line in all directions perpendicular to its axis for the applicable distance and an additional distance that allows for conductor sag and sway (Figures 1 & 5 of the Code). The space above these spaces must also remain clear.	For the first & last sixths of the span: <ul style="list-style-type: none"> <li>• 2250 mm</li> </ul> For the middle 2/3rds of the span (Graph 6 of the Code): <ul style="list-style-type: none"> <li>• if the span is <math>\leq 45</math> m: 2250mm</li> <li>• if the span is <math>&gt; 45</math> m &amp; <math>\leq 350</math> m: <math>(2250 + (\text{span distance} - 45) \times (750 \div 305))</math></li> <li>• if the span is <math>&gt; 350</math> m: 3000 mm</li> </ul>

## Schedule 1 – Code of Practice for Electric Line Clearance

### Clauses 4–7: Exceptions to minimum clearance space

Part 2, Division 1, Clauses 4–7 of the Code, allow for exceptions to the Code as per the conditions in Table 5.

**Table 5. Conditions for exceptions to minimum clearance for different branch types around different line types.**

Clause	Applicable area	Line type	Tree part	Condition for exception
4*	All areas	Insulated, low voltage	Structural branches around lines	The branch is $> 130$ mm wide at the point it enters the minimum clearance space; <b>AND</b> the branch is: <ul style="list-style-type: none"> <li>• <math>&gt; 150</math> mm from the line if the span distance is <math>\leq 40</math> m</li> </ul> <b>OR</b> <ul style="list-style-type: none"> <li>• <math>&gt; 300</math> mm from the line if the span is <math>&gt; 40</math> m;</li> </ul> <b>AND</b> In the last 14 months: <ul style="list-style-type: none"> <li>• a suitably qualified arborist (Regulation <a href="#">9(4)(p)</a>) has inspected the tree and advised that it has no visible defects that could cause the branch to fail and contact the electric line, and</li> <li>• Council has completed a risk assessment of the branch and implemented mitigation measures for any identified risks.</li> </ul>
5	All areas	Insulated, low voltage	Small branches around lines	The branch: <ul style="list-style-type: none"> <li>• is less than 10 mm wide at the point at which it enters the minimum clearance space;</li> </ul>

Clause	Applicable area	Line type	Tree part	Condition for exception
				<b>AND</b> <ul style="list-style-type: none"> <li>• has been removed from the minimum clearance space within the past 12 months.</li> </ul>
6*	LBRA	Uninsulated, low voltage	Small branches under lines	<p>The branch is less than 10 mm wide at the minimum clearance space entry point and is no more than 500 mm inside the minimum clearance space;</p> <p><b>AND</b></p> <p>the branch originates at a point below the height of the electric line;</p> <p><b>AND</b></p> <p>if the branch is within the minimum clearance space around the middle two-thirds of the span, the span is fitted with:</p> <ul style="list-style-type: none"> <li>• 1 conductor spreader if the span is <math>\leq 45</math> m</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li>• 2 conductor spreaders if the span is <math>&gt; 45</math> m.</li> </ul> <p>*Spreader not required if the branch comes within the minimum clearance space around the first or last sixth of the span.</p> <p><b>AND</b></p> <p>In the last 14 months:</p> <ul style="list-style-type: none"> <li>• a suitably qualified arborist (Regulation <a href="#">9(4)(p)</a>) has inspected the tree, and</li> <li>• Council has completed a risk assessment of the branch and implemented mitigation measures for any identified risks.</li> </ul>
7*	LBRA	Uninsulated, low voltage	Structural branches around lines	<p>if the branch is within the minimum clearance space around the middle two-thirds of the span, the span is fitted with:</p> <ul style="list-style-type: none"> <li>• 1 conductor spreader if the span is <math>\leq 45</math> m</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li>• 2 conductor spreaders if the span is <math>&gt; 45</math> m.</li> </ul> <p>*Spreader not required if the branch comes within the minimum clearance space around the first or last sixth of the span.</p> <p><b>AND</b></p> <p>the branch is <math>&gt; 130</math> mm wide at the point it enters the minimum clearance space</p> <p><b>AND</b></p> <p>The branch is no more than 500 mm inside the minimum clearance space</p> <p><b>AND</b></p> <p>In the last 14 months:</p> <ul style="list-style-type: none"> <li>• a suitably qualified arborist (Regulation <a href="#">9(4)(p)</a>) has inspected the tree and advised that it has no visible defects that could cause the branch to fail and contact the electric line, and</li> <li>• Council has completed a risk assessment of the branch and implemented mitigation measures for any identified risks.</li> </ul>

\* If Council leaves a branch within the minimum clearance space for an electric line under Clauses 4, 6, and 7, it will retain records in its tree database and GIS systems for at least five years on:

- Each inspection
- All advice referred to regarding the branch identified as having no structural defects
- Each risk assessment on any risks posed by the branch
- The mitigation measures to effectively mitigate any identified risks posed by the branch.

All trees on the Exception register will be re-assessed annually.

## Appendix 3: Training requirements pertinent to job role

The City of Greater Dandenong has adopted the VESI training matrix to ensure contractors meet the training requirements pertinent to their job role:

Vegetation Skills and Training Matrix			Roles <sup>5</sup> - (Refer to the Skills and Training Guideline in the VESI for Descriptions of roles)									
Adapted from VESI Vegetation Skills and Training Matrix_June_2019			Vegetation									
	Qualification / Competency Standard Unit (CSU) number		Arborist	Assessor	Assessor Trainee	Cutter working from EWP	Cutter working from EWP Trainee	Ground Crew	Specialised Plant Operator	Specialised Plant Operator Trainee	Tree Climber	Tree Climber Trainee
<b>Qualifications</b>												
	Certificate II in ESI - Powerline Vegetation Control	UET20312		M		M		C	M		M	
	Certificate III in Horticulture and Arboriculture <sup>1</sup>		M	C								
<b>Licence</b>												
	High Risk Work Licence - Boom-type Elevating Work Platform (WP)					M	C					
<b>Core Competency Standard Units</b>												
	Apply Occupational Health Safety regulations, codes and practices in the workplace	UEENEE101A		M	C	M	C	C	M	C	M	C
	Comply with sustainability, environmental and incidental response policies and procedures	UETTDREL13A		M	C	M	C	C	M	C	M	C
	Working safely near live electrical apparatus as a non-electrical worker	UETTDREL14A		M	C	M	C	C	M	C	M	C
	Operate and maintain chainsaws	AHCARB205A		M	C	M	C	C	M	C	M	C
	Plan the removal of vegetation up to vegetation exclusion zone near live electrical apparatus	UETTDRCV23A		M	C	M	C	C	M	C	M	C
	Monitor safety compliance of vegetation control work in an ESI environment	UETTDRCV27A		M	C	M	C	C	M	C	M	C
<b>Elective Competency Standard Units</b>												
	Use climbing techniques to cut vegetation above ground near live electrical apparatus	UETTDRCV21A									M	C
	Assess vegetation and recommend control measures in an ESI environment	UETTDRCV24A		M	C							
	Use elevated platform to cut vegetation above ground level near live electrical apparatus	UETTDRCV25A				M	C					
	Operate specialist equipment at ground level near live electrical apparatus	UETTDRCV31A						C	C	C		
	Use specialised plant to cut vegetation above ground level near live electrical apparatus	UETTDRCV32A							M	C		
	Apply pruning techniques to vegetation control near live electrical apparatus	UETTDRCV33A				M	C		M	C	M	C
	Undertake release and rescue from a tree near live electrical apparatus	UETTDRCV34A									M	C
	Fell small trees	AHCARB202A				C	C	C	C	C		
	Undertake standard climbing techniques	AHCARB204A									M	C
	Apply chemicals under supervision	AHCCHM201A				C	C	C	C	C	C	C
	Operate machinery and equipment	AHCMOM304A				C	C	C <sup>6</sup>	M	C	C	C
	Recognise plants	AHCPCM201A		M	C	C	C	C	C	C	C	C
	Operate a mobile chipper/mulcher	FPIHAR2206B				C	C	C <sup>6</sup>	C	C	C	C
	Licence to operate a boom-type elevating work platform (boom length 11 metres or more)	TLILIC2005				M	C					
<b>Initial training</b>												
Initial training	Apply ESI safety rules, codes and procedures for work on or near electrical apparatus	UETDRRF01B		M	M	M	M	M	M	M	M	M
	Maintain safety at an incident scene	PUAOHS002B		C	C	C	C	C	C	C	C	C
	Prepare to work safely in the construction industry	CPCCWHS1001		M	M	M	M	M	M	M	M	M
<b>Frequency</b>												
	Training <sup>2</sup>											
1 Year	Provide cardiopulmonary resuscitation <sup>3</sup>	HLTAID001		M	M	M	M	M	M	M	M	M
1 Year	Perform EWP controlled descent escape	UETDRRF08B				M	C					
1 Year	Perform EWP rescue	UETDRRF03B				M	C					
1 Year	Provide first aid in an ESI environment <sup>3</sup>	UETDRRF10B		M	M	M	M	M	M	M	M	M
1 Year	Safe Approach Distances - Vegetation Work			M	M	M	M	C	M	M	M	M
1 Year	Undertake release and rescue from a tree near live electrical apparatus	UETTDRCV34A									M	C
3 Yearly	Manual Handling			M	M	M	M	M	M	M	M	M
3 Yearly	Safe to Approach SWER <sup>4</sup>			C	C	C	C	C	C	C	C	C
3 Yearly	Control traffic with stop-slow bat	RIIWH5205D		C	C	M	M	M	M	M	M	M
3 Yearly	Implement traffic management plan	RIIWH5302D		C	C	M	M	M	M	M	M	M
3 Yearly	VESI Environmental Framework			M	M	M	M	M	M	M	M	M
3 Yearly	VESI Safety Framework			M	M	M	M	M	M	M	M	M
<b>Authority Training<sup>5</sup></b>												
3 Yearly	Apply access procedures to work on or near electrical network infrastructure	UETDRRF09B				C						
3 Yearly	Enter Enclosures			C	C							
3 Yearly	Make Application for					C						
<b>Other</b>												
	ESI Worker Card		M	M	M	M	M	M	M	M	M	M
	Network Operator Induction		M	M	M	M	M	M	M	M	M	M

### Legend

M - Mandatory

C - Conditional - If an employee is required to have this Qualification, Licence, Competency unit or training for the works being performed, or is specified by a Network Operator then it is deemed as Mandatory. -----Competency assessment/refresher Training/Authority Training is mandatory for training where a frequency is applied.

\* Following the completion of training apply to Network Operator for Authorisation

### Notes

<sup>1</sup> - Suitably qualified arborist means an arborist who has—

(a) the qualification of National Certificate Level 3 in Horticulture or Arboriculture, including the "Assess Trees" module, or an equivalent qualification; and

(b) at least 3 years of field experience in assessing trees;

as per the Electricity Safety (Electric Line Clearance) Regulations 2020

<sup>2</sup> - For the training and assessment criteria refer to VESI training and assessment reference material on the VESI website

<sup>3</sup> - If a worker has successfully completed Provide First Aid (HLTAID003) within the same year then equivalence is given. Note: HLTAID003 has a recommended 3 yearly refresher,

therefore Provide cardiopulmonary resuscitation & Provide first aid in an ESI environment shall be completed in the following years

<sup>4</sup> - Safe to Approach SWER is not a requirement on the CitiPower and Jemena Networks

<sup>5</sup> - Where a person performs multiple roles they shall undertake the mandatory training for each of those roles

<sup>6</sup> - Operating a chipper/hogger will require initial training in Operate machinery and equipment AHCMOM304A or Operate a mobile chipper/mulcher FPIHAR2206B



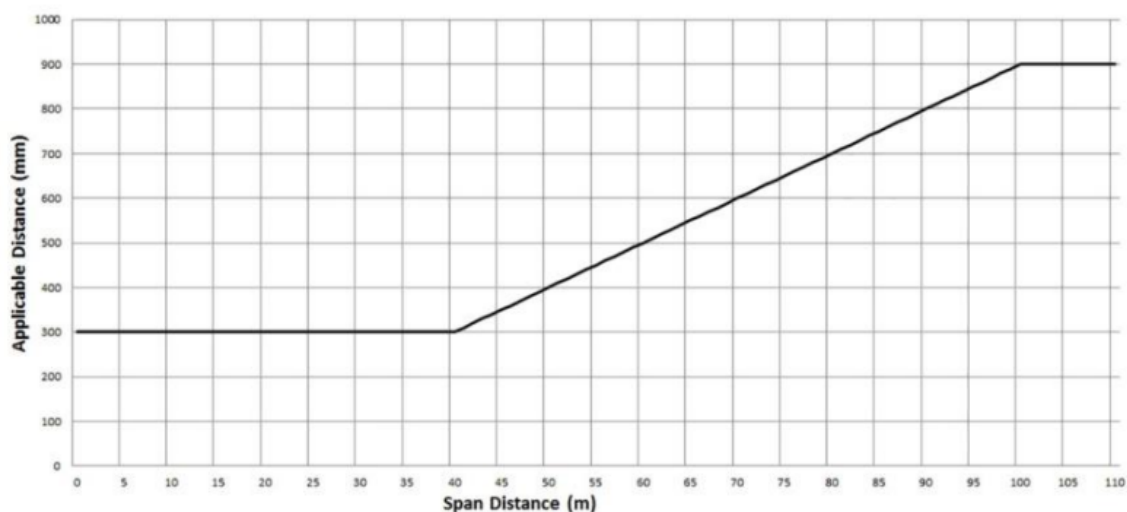
## Appendix 4: Tree species suitable for planting near electrical lines

Species Planted under powerlines	Tree size at Maturity
<i>Acacia implexa</i>	Small to medium
<i>Acer campestre</i> 'Evelyn'	Small to medium
<i>Brachychiton populneus</i>	Medium
<i>Eucalyptus leucoxylon</i> 'Eukie Dwarf'	Small to medium
<i>Eucalyptus winnerensis</i> "Honey Pots"	Small to medium
<i>Gleditsia triacanthos</i> var. <i>inermis</i> 'Elegantissima'	Small
<i>Lagerstroemia indica</i> x <i>L. fauriei</i> 'Zuni'	Small
<i>Lagerstroemia indica</i> x <i>L. fauriei</i> 'Biloxi'	Small
<i>Leptospermum petersonii</i>	Small to medium
<i>Malus ioensis</i> 'Plena'	Small
<i>Olea europea</i> 'Swan Hill'	Small
<i>Olea europea</i> 'Tolley's Upright'	Small
<i>Pistacia chinensis</i>	Small
<i>Pyrus calleryana</i> 'Capital'	Small to medium
<i>Tilia cordata</i> 'Greenspire'	Small to medium
<i>Tristaniopsis laurina</i>	Small to medium

## Appendix 5: Applicable distance for middle two thirds of a span of an electric line – LBRA

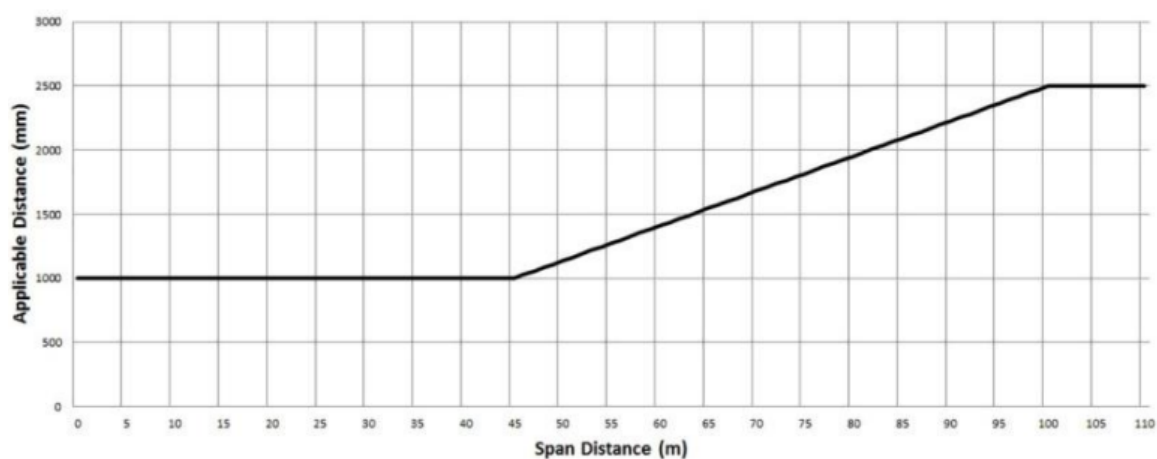
### GRAPH 1—INSULATED ELECTRIC LINES IN ALL AREAS

Clauses 3 and 24



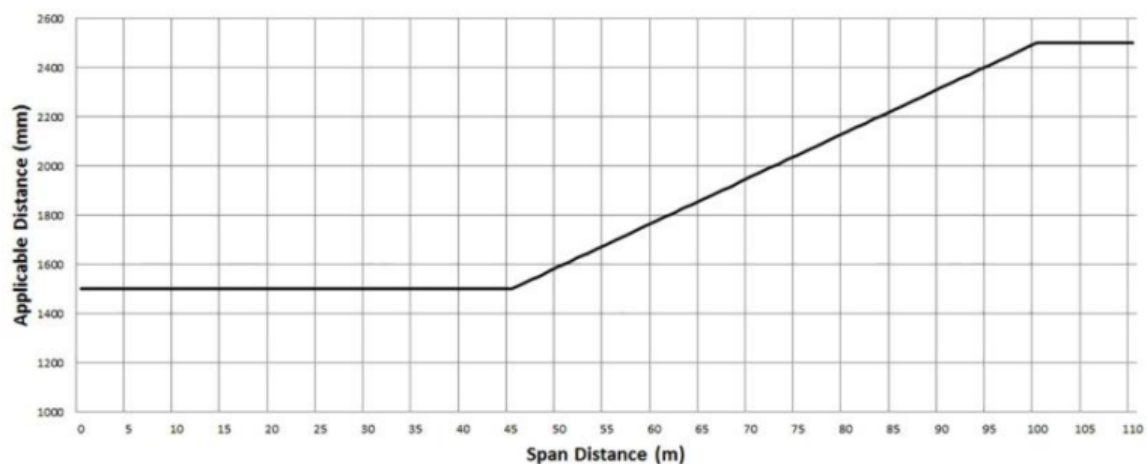
### GRAPH 2—UNINSULATED LOW VOLTAGE ELECTRIC LINE IN LOW BUSHFIRE RISK AREA

Clauses 3 and 25



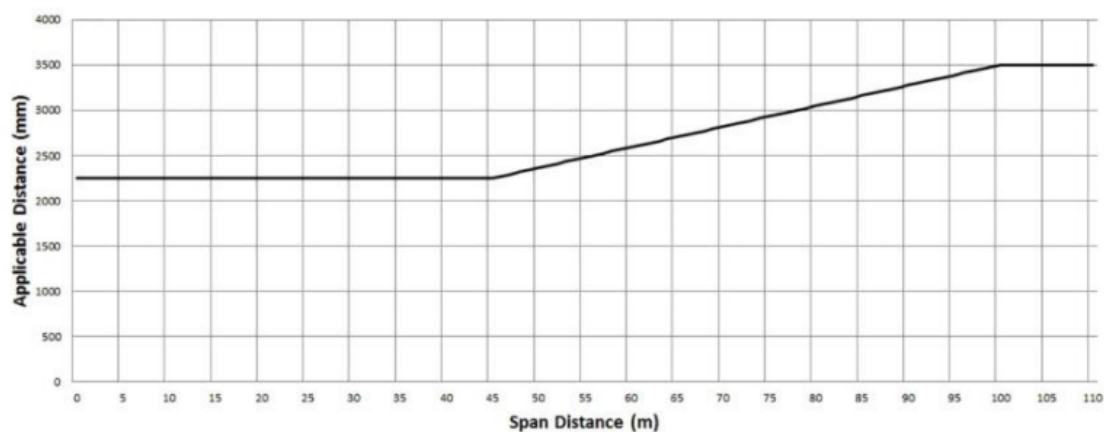
### **GRAPH 3—UNINSULATED HIGH VOLTAGE ELECTRIC LINE (OTHER THAN A 66 000 VOLT ELECTRIC LINE) IN LOW BUSHFIRE RISK AREA**

Clauses 3 and 26



### **GRAPH 4—UNINSULATED 66 000 VOLT ELECTRIC LINE IN LOW BUSHFIRE RISK AREA**

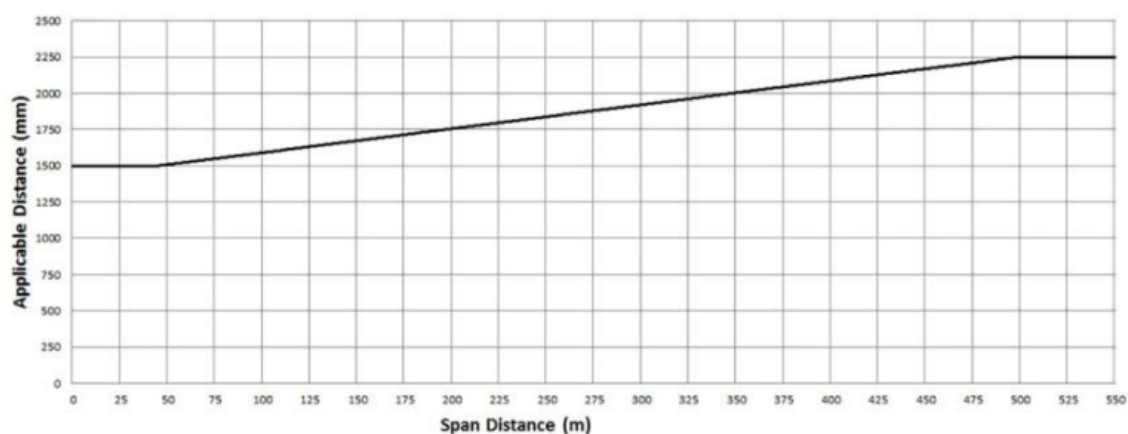
Clauses 3 and 27



## Appendix 6: Applicable distance for middle two thirds of a span of an electric line – HBRA

### **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 6—UNINSULATED 66 000 VOLT ELECTRIC LINE IN HAZARDOUS BUSHFIRE RISK AREA**

Clauses 3 and 29

